CERTIFIED
PREMIUM
INDUSTRIAL TOOLS

EGA Master

ART IN INNOVATION



BE SAFE...BE EFFICIENT

Sold by:

TRIMAR EUROLUBE

www.eurolube.net

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www.egamaster.com

to the Management Quality

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Miembro de / Member of / Membre de :

Fastening Excellence Center
www.fasteningexcellencecenter.com

Asociación Española del Hidrógeno
Spanish Hydrogen Association
Association Espagnole de l'Hydrogène
www.aeh2.org

HEGAN - Basque Aerospace Cluster
www.hegan.com

Asociación Española de Equipos, Soluciones y Tecnologías de Proceso en la Manipulación de Fluidos
Spanish Association of Equipment, Solutions and Process Technologies in Fluid Handling
Association Espagnole des Équipements, Solutions et Technologies de Traitement des Fluides
www. fluidexspain.com

Federación de Fabricantes Exportadores de Artículos de Ferretería
Spanish Hardware Manufacturers Federation
Fédération Espagnole de Fabricants Exportateurs d'Articles de Quincaillerie
www.cofearfe.com

Foro de Marcas Líderes Renombradas Españolas
Leading Brands of Spain Forum
Forum des Marques de Renom Espagnoles
www.brandsofspain.com

Fundación Vasca para la Calidad
Basque Foundation for Quality
Fondation Basque pour la Qualité
www.euskalit.net

Red Vasca de Ciencia Tecnología e Innovación
Agency of Innovation
Agence Basque de L'innovation
www.innobasque.com

Club de Exportadores e Inversores Españoles
Spanish Exporters and Investors Club
Club des Exportateurs et Investisseurs Espagnols
www.clubexportadores.org

Iniciativa Global Drops para la prevencion de caída de objetos
The dropped objects prevention scheme global resource centre
Initiative globale Drops de la prévention de chute d'objets
www.dropsonline.org

Agrupación de Industrias Marítimas de Euskadi
Association of Maritime Industries of the Basque Country
Association des Industries Maritimes Basques
www.adimde.es

Sindicato Empresarial Alavés
Employer Federation of Alava
Syndicat des Employés d'Alava
sie.sea.es

Miembro del Foro Club de la Cámara de Comercio e Industria de Álava
Chamber of Commerce of Alava
Chambre de Commerce d' Alava
www.camaradealava.com

Asociación para el Progreso de la Dirección
Association for Progress in Management
Association pour le Progrès dans le Management
www.apd.es

Fundación Iberoamericana para la Calidad
Foundation for Quality
Fondation Ibero-Américaine pour la Gestion de la Qualité
www.fundibeq.org

Asociación de Centros de Excelencia a Nivel Nacional
Association of Centers of Excellence
Association de Centres d'Excellence à Niveau National
www.centrosdeexcelencia.com

Asociación Española del Pacto Mundial Un Global Compact
Un Global Compact
Association Espagnole du Pacte Mondial Un Global Compact
www.pactomundial.org

Asociación Sectorial de Equipos, Componentes y Servicios de Energías Renovables
Energy Supply Chain
Association Sectorielle des Équipements, Composants et Services des Énergies Renouvelables
www.eschain.com

Presentado como ejemplo por:

- Comisión Europea
- Diputación Foral de Álava
- Diputación Foral de Bizkaia
- Universidad del País Vasco
- Congreso Internacional de Managing
- V Jornadas de Innovación en Gestión (Bilbao)
- Universidad de Strathclyde de Escocia
- Foro de Empresas Avanzadas en Gestión del Cluster del Conocimiento
- Universidad Autónoma de Madrid
- Forum Europa
- Club de Marketing de la Rioja
- Euskalit- Fundación Vasca para la Calidad
- CETIC -Centro de Tecnologías de la Información y la Comunicación
- Escuelas de Negocios IESE (España), INSEAD (Francia) y WHU (Alemania)
- Universidad de Boise EEUU
- Innobasque, Agencia Vasca de Innovación
- Fundación ICIL
- Universidad de Deusto
- SEA - Empresarios Alaveses
- Gobierno Vasco (SPRI)
- Ministerio de Industria (Círculo Bellas Artes)
- Fundación Navarra para la Excelencia
- Universidad de Navarra
- CFL (Dinamarca)
- Asociación para el Progreso de la Dirección (APD)
- Universidad Adolfo Ibañez (Chile)

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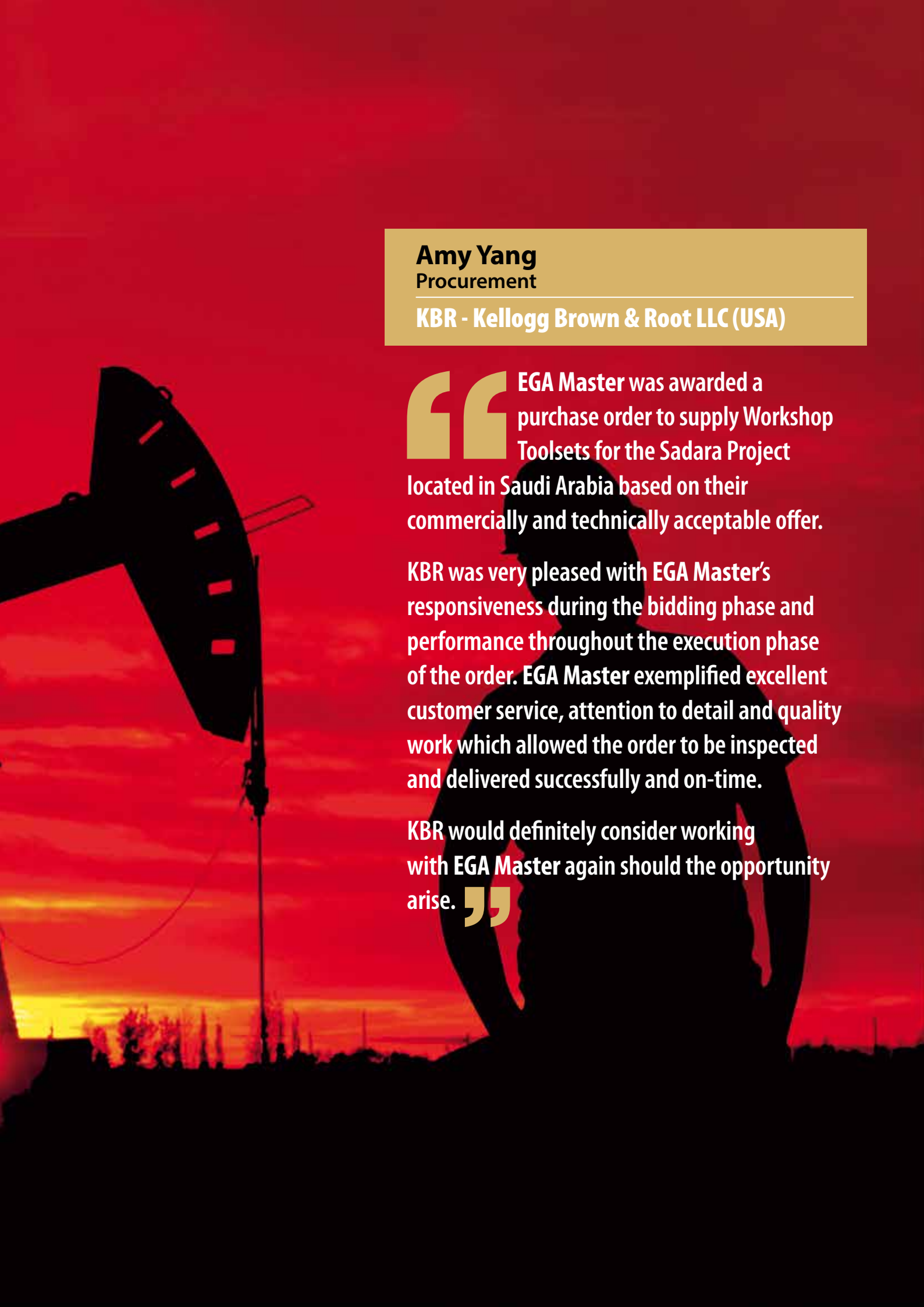
- European Commission
- Provincial Government of Alava
- Provincial Government of Bizkaia
- University of the Basque Country
- International Management Congress
- 5th Meeting of Innovation in Management (BIlbao)
- University of Strathclyde (Scotland)
- Forum of Companies Advanced in Management of the Cluster of Knowledge
- Autonomous University of Madrid
- Forum Europa
- Marketing Club of Rioja
- Euskalit- Basque Foundation for Quality
- CETIC- Center of Information and Communication Technologies
- IESE (Spain), INSEAD (France) and WHU (Germany) Business Schools
- Boise University EEUU
- Innobasque, Basque Innovation Agency
- ICIL Foundation
- Deusto University
- SEA - Entrepreneurs of Alava
- Basque Goverment (SPRI)
- Ministry of Industry
- Navarra Foundation for Excellence
- University of Navarra
- Center for Ledesle, CFL (Denmark)
- Association for Progress in Management (APD)
- Adolfo Ibañez University (Chile)

Présenté comme exemple pour:

- Commission Européenne
- Députation d'Alava
- Députation de Biscaye
- Université du Pays Basque
- Congrès International du Management
- V Journées de l'Innovation dans la Gestion (Bilbao)
- Université de Strathclyde de l'Ecosse
- Forum des Enterprises Avancées en Gestion du Cluster des Connaissances
- Université Autonome de Madrid
- Forum Europe
- Marketing Club de la Rioja
- Euskalit- Fondation Basque pour la Qualité
- CETIC- Centre de Technologies de l'Information et de la Communication
- Écoles Supérieures de Commerce IESE (Espagne), INSEAD (France) et WHU (Allemagne)
- Université de Boise, EEUU
- Innobasque, Agence Basque pour l'Innovation
- Fondation ICIL
- Université de Deusto
- SEA - Entrepreneurs d'Alava
- Gouvernement Basque (SPRI)
- Ministère d'Industrie (Cercle de Beux-Arts)
- Fondation Navarre pour l'Excellence
- Université de Navarre
- CFL (Danemark)
- Association pour le Progrès dans le Management (APD)
- Université Adolfo Ibañez (Chili)



to the
Management
Quality



Amy Yang
Procurement

KBR - Kellogg Brown & Root LLC (USA)

"**EGA Master** was awarded a purchase order to supply Workshop Toolsets for the Sadara Project located in Saudi Arabia based on their commercially and technically acceptable offer.

KBR was very pleased with **EGA Master's** responsiveness during the bidding phase and performance throughout the execution phase of the order. **EGA Master** exemplified excellent customer service, attention to detail and quality work which allowed the order to be inspected and delivered successfully and on-time.

KBR would definitely consider working with **EGA Master** again should the opportunity arise."

TESTIMONIALS

REPSOL

Spain

Rafael Ramírez Gómez
Static Reliability Chief- Reliability Department

"EGA Master has developed and custom-made special valve wrenches for Repsol."

KELLOGG BROWN & ROOT

USA

Amy Yang
Procurement

"KBR was very pleased with EGA Master's responsiveness during the bidding phase and performance throughout the execution phase of the order. EGA Master exemplified excellent customer service, attention to detail and quality work which allowed the order to be inspected and delivered successfully and on-time."

ENGIE

Mexico

José Ángel Lázaro
Head of Maintenance

"We have trusted EGA Master as our non-sparking tools supplier due to the high quality of its products. Furthermore, it is a reliable supplier that brings us the most complete service we have found in our industry. Safety is very important for us and trough EGA Master we have access to the solutions we need to ensure the safety and productivity of our employees across the different business lines."

PPG

Mexico

Eng. Mario Feregrino
EHS Team Leader

"At PPG safety is very important. Through EGA Master we have access to the solutions that we need to ensure the security and productivity of our employees."

EGE HAINA

Dominican Republic

Wendy Calderón
Purchasing Manager

"We have trusted EGA Master for the supply of mechanical tools. In our industry, safety and quality are highly valued parameters and we feel really satisfied with the delivered products."

EP PETROECUADOR

Ecuador

Eng. Elías Valencia Delgado
Terminals Head of Maintenance

"When you work at a Petrochemical company you are exposed to fire hazards that put at risk the life of your workforce, the most valuable assets a company has. We have therefore put our trust on EGA Master as a supplier of our Non-Spark CU-BE tools. This is due to the high quality of the tools and the wide range of products the company can offer us."

AERNNOVA

Spain

Jose Manuel Guerra Verdejo
Industrialization General Manager

"In record time, EGA Master implemented a complete line of smart workstations, designed and manufactured just for our needs."

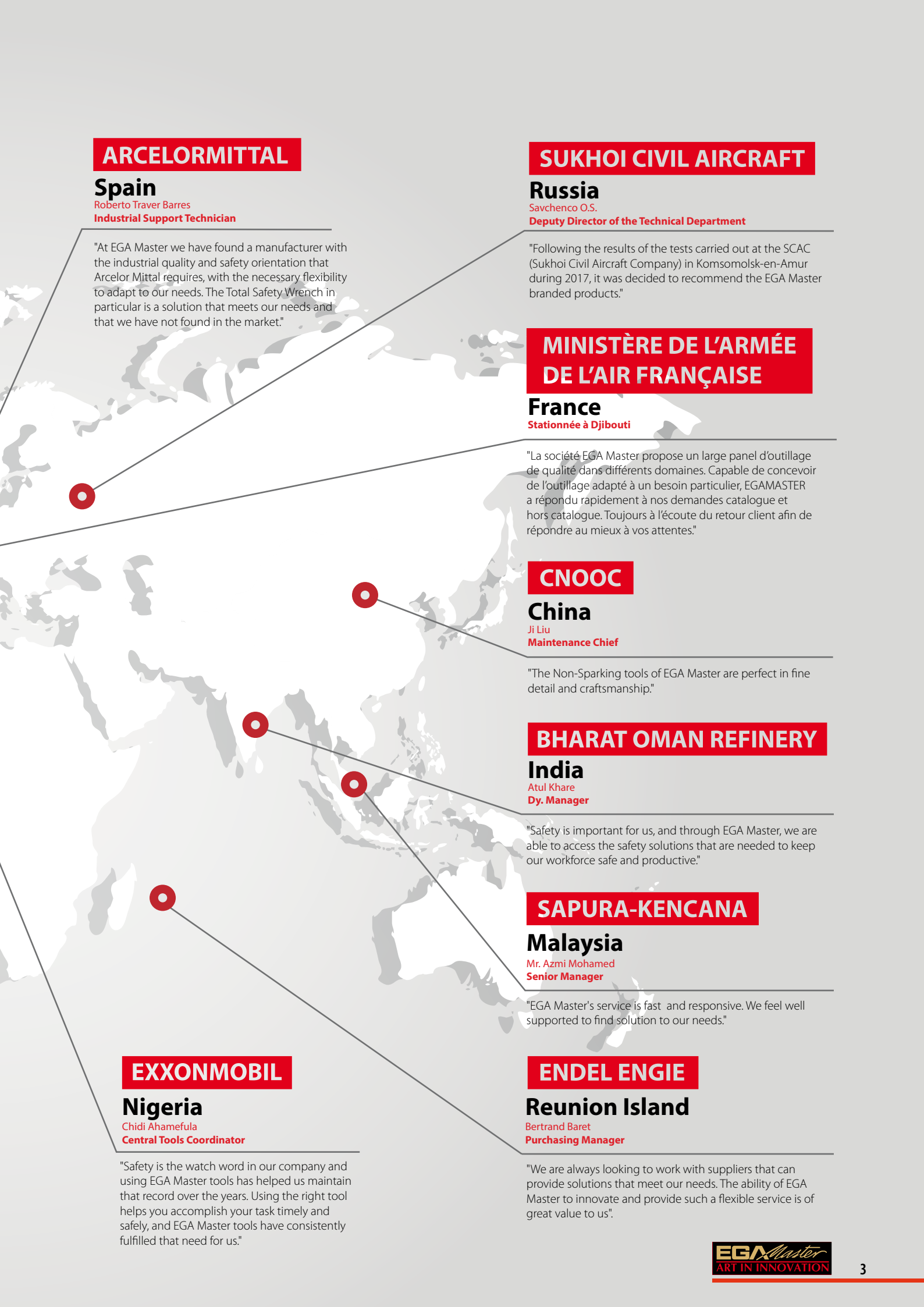


TAP Engineering and Maintenance

Portugal

Pedro Henriques
Purchasing Manager

"EGA Master has been in this last 4 years a great support for TAP Engineering and Maintenance in Lisbon and Brazil. Key factors as top quality, delivery time, versatility, and constant innovation turned EGA Master into strategic partner with whom we can always trust in any situation."



ARCELORMITTAL

Spain

Roberto Traver Barres
Industrial Support Technician

"At EGA Master we have found a manufacturer with the industrial quality and safety orientation that Arcelor Mittal requires, with the necessary flexibility to adapt to our needs. The Total Safety Wrench in particular is a solution that meets our needs and that we have not found in the market."

SUKHOI CIVIL AIRCRAFT

Russia

Savchenco O.S.
Deputy Director of the Technical Department

"Following the results of the tests carried out at the SCAC (Sukhoi Civil Aircraft Company) in Komsomolsk-en-Amur during 2017, it was decided to recommend the EGA Master branded products."

MINISTÈRE DE L'ARMÉE DE L'AIR FRANÇAISE

France

Stationnée à Djibouti

"La société EGA Master propose un large panel d'outillage de qualité dans différents domaines. Capable de concevoir de l'outillage adapté à un besoin particulier, EGAMASTER a répondu rapidement à nos demandes catalogue et hors catalogue. Toujours à l'écoute du retour client afin de répondre au mieux à vos attentes."

CNOOC

China

Ji Liu
Maintenance Chief

"The Non-Sparking tools of EGA Master are perfect in fine detail and craftsmanship."

BHARAT OMAN REFINERY

India

Atul Khare
Dy. Manager

"Safety is important for us, and through EGA Master, we are able to access the safety solutions that are needed to keep our workforce safe and productive."

SAPURA-KENCANA

Malaysia

Mr. Azmi Mohamed
Senior Manager

"EGA Master's service is fast and responsive. We feel well supported to find solution to our needs."

EXXONMOBIL

Nigeria

Chidi Ahamefula
Central Tools Coordinator

"Safety is the watch word in our company and using EGA Master tools has helped us maintain that record over the years. Using the right tool helps you accomplish your task timely and safely, and EGA Master tools have consistently fulfilled that need for us."

ENDEL ENGIE

Reunion Island

Bertrand Baret
Purchasing Manager

"We are always looking to work with suppliers that can provide solutions that meet our needs. The ability of EGA Master to innovate and provide such a flexible service is of great value to us".

MORE TESTIMONIALS

RENAULT

Portugal

Pedro Amorim
Industrial Maintenance Technician

"In EGA Master, I have found tools that meet the safety requirements of maintenance professionals: Appropriate tools for our needs, short delivery times and technical support, are three important factors for a close partnership in the development of new solutions. That's what I found with EGA Master."

COCA-COLA

Cabo Verde

António Barros
Technical Supervisor

"We are very satisfied with the personalization by laser marking and the quality of EGA Master tools, as well as with the company´s after-sales service."

VOLKSWAGEN

Mexico

Edmundo Homero Cacho
Engineer

"EGA Master's service is fast and effective. We believe that in EGA Master we have a supplier we can trust to find solutions to our needs."

GENERAL MOTORS

Mexico

Luis Mata
Maintenance coordinator

"We trusted EGA Master for the purchase of mechanical tools and the delivery time was satisfactory and on time. Our staff is working very comfortable with the tool. It has met our standards and we highly recommend it."

FERREYROS CAT

Peru

Victor Alfonso Quispe Trujillo
Logistical support

"We recommend the use of EGA Master Copper-Beryllium sledge-hammers in mining operations because its alloy is safer in the activities of blade maintenance as it does not produce chips that may cause injuries to workers."

PRAXAIR

Peru

Enrique Rachitoff
Bulk Distribution Manager

"We have chosen EGA Master as a supplier of non-sparking tools due to the high quality of their products and the wide range they offer us."

NESTLE

Portugal

Miguel Pinto
Health and Safety Department

"Due to the various solutions, it presents, especially in terms of safety tools and even more so with control systems, meeting the requirements of Industry 4.0, EGA Master is undoubtedly an excellent partner when it comes to the areas of production and maintenance and safety."

SOUTHERN PERU COPPER CORPORATION

Peru

Mauricio Pérez
Senior Concentrator Plant Maintenance

"The copper-beryllium sledge hammers from EGA Master have brought excellent results to our mining operations due to their safety and performance."



IVECO DEFENCE

Italy

Renato Modesto
Machinery Responsible Engineer

"We always try to work with manufacturers that are able to provide solutions that meet our needs, EGA Master's ability to innovate and provide flexible services is of great value to us."

MSC

Italy

Luigi Staccoli
Chief Procurement Officer

"Our business requires trustworthiness, flexibility and fast reactions. We have found all these traits in EGA Master and they are supporting our operations with quality products, tailor made solutions and state of the art service level."

SONATRACH

Algeria

Mohamed Khelif
Mechanical Engineer

"EGA Master is a manufacturer that offers very good tools in terms of reliability, durability and finish."

MERCEDES-BENZ

Malaysia

Chantramohan Suparmaniam
Production Manager

"EGA Master is a trusted supplier that offers us the best service in the industry. We see EGA Master as a key partner for us going forward."

DARMA HENWA

Indonesia

Rikko Denia
Purchasing Manager

"We would recommend EGA Master to any company looking for the widest range of premium quality products, and a responsive service that nobody in the industry can match."

ELETROPAULO

Brasil

Glauber Lima Fraga
Project Manager

"The persistence shown by EGA Master to find a solution that would meet the customer's needs is a clear evidence of EGA Master's commitment to fulfil the needs and requirements of its customers."

SHELL

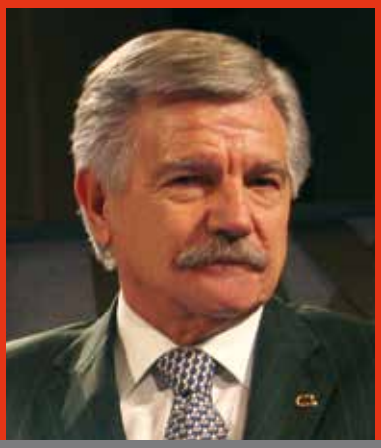
Nigeria

Godfrey Ekeke
Maintenance Planner

"EGA Master Tools are absolutely amazing tools in terms of value in safety, convenience and versatility."

Iñaki Garmendia

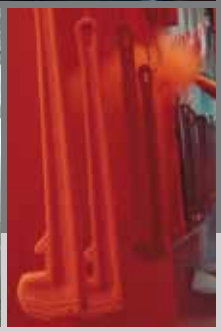
Presidente y Fundador
Chairman & Founder
Président et Fondateur



En EGA Master nos comprometemos a usar la innovación, la tecnología y la excelencia empresarial para el desarrollo y fabricación de herramientas, equipos y servicios de calidad industrial PREMIUM a través de una solución integral que permita mantener a los trabajadores seguros y eficientes.













Nuestra propuesta se sustenta en 5 pilares principales:

Solución Integral

EGA Master es el único fabricante de herramientas con una oferta de 12 completas gamas de alta innovación que permite una mayor eficiencia de la gestión empresarial.

Calidad Industrial Premium

EGA Master fabrica para más de 100 empresas con su propia personalización, incluyendo muchas de las marcas líderes mundiales del sector.

*The **EGA Master** proposition is sustained on 5 key pillars:*

One Stop Solution

EGA Master is currently the only manufacturer that offers 12 ranges under a one-stop solution that result in cost efficiencies for our customers.

Premium Industrial Quality

EGA Master manufactures for more than 100 different companies, including some of the leading brands in the industry.

Notre offre se soutient sous 5 piliers principaux:

Solution Intégral

EGA Master est le seul fabricant qui offre 12 gammes complètes de haute innovation, ce qui permet plus d'efficacité de gestion d'entreprise.

Qualité industrielle Premium

EGA Master fabrique pour plus de 100 entreprises avec sa propre personnalisation, parmi lesquelles beaucoup sont des marques leaders mondiales du secteur.

*In **EGA Master** we endeavour to use innovation, technology and management excellence for the development and manufacture of **PREMIUM** industrial quality tools, equipment and services through a one stop source to keep professionals across industries safe and efficient.*

Chez EGA Master nous nous engageons à utiliser l'innovation, la technologie et l'excellence entrepreneuriale pour le développement et fabrication d'outils, d'équipements et de services de qualité industrielle PREMIUM par l'intermédiaire d'une solution intégrale qui permet d'assurer la sécurité et l'efficacité des travailleurs.

Rapidez de Servicio

El modelo de fabricación e inversión en stock de **EGA Master** permite ofrecer unos niveles de disponibilidad de más de un 98 % en los más de 150 países a los que distribuye sus productos.

Innovación

EGA Master ha desarrollado más de 200 patentes e invierte en I+D+i, aproximadamente, un 6 % de su facturación.

Integración Horizontal

El modelo industrial, basado en la Integración Horizontal de los Procesos de Fabricación, aporta a **EGA Master** una mayor flexibilidad, agilidad, rapidez de respuesta, productividad y competitividad.

Quick Service

As a result of our manufacturing model and investment in stock, we are able to provide an availability level above 98% across the 150 we distribute to.

Innovation

***EGA Master** holds more than 200 patents and invests around 6% of its turnover in R&D+I.*

Horizontal Integration

*The industrial model, based on a Horizontally Integrated Manufacturing Process, provides **EGA Master** with greater flexibility, productivity, responsiveness and competitiveness.*

Rapidité de Service

Le modèle de fabrication et l'inversion en stock d'**EGA Master** offre des niveaux de disponibilité de plus de 98% dans plus de 150 pays qui distribuent ses produits.

Innovation

EGA Master a développé plus de 200 brevets et investit, à peu près le 6% de sa facturation, en I+D+I.

Intégration Horizontale

Le modèle industriel, fondé sur l'Intégration Horizontale des Procédés de Fabrication, apporte á **EGA Master** une plus grande flexibilité, agilité, rapidité de réponse, productivité et compétitivité.

LA MÁS GALARDONADA / *THE MOST AWARDED* / LA PLUS PRIMÉE

International Quality Innovation Award EGA Solutions, Excellence Finland Laatukeskus, Moscú 2022
International Quality Innovation Award EGA Solutions, Excellence Finland Laatukeskus, Moscow 2022
International Quality Innovation Award EGA Solutions, Excellence Finland Laatukeskus, Moscou 2022

Certificado Bai Euskarari, 2014
Linguistic Certification, 2014
Certification Linguistique, 2014

Quality Innovation Award EGA Solutions, Euskalit 2021
Quality Innovation Award EGA Solutions, Euskalit 2021
Quality Innovation Award EGA Solutions, Euskalit 2021

Premio a la Internacionalización de la Cámara de Comercio de Álava, 2013
Internationalization Award, Chamber of Commerce, 2013
Prix à l'Internationalisation de la Chambre de Commerce d'Alava, 2013

ISO 37001 Compliance-Antisoborno, 2021
ISO 37001 Commpliance Anti-bribery Management Systems, 2021
ISO 37001 Compliance-Anticorruption, 2021

Premio a la Internacionalización de IE Business School e Iberinform, 2013
International Business Award 2013 by IE Business School, 2013
Prix à l'Internationalisation de IE Business School et Iberinform, 2013

ISO 45001, 2020
ISO 45001, 2020
ISO 45001, 2020

Premio al Producto Más Innovador, Ferroforma 2013
Award to the Most Innovative Industrial Product, Ferroforma 2013
Prix au Produit le Plus Innovateur, Ferroforma 2013

Producto Más Innovador (Feria NSC de Seguridad, San Diego, EEUU, 2019)
"Best in Show" New Product Showcase Awards (National Safety Council 2019 Congress & Expo, San Diego, USA)
Produit le plus innovateur (Salón NSC de Sécurité, San Diego, EUA, 2019)

Certificado de Calidad BIKAIN, 2013
BIKAIN certificate, 2013
Certificat de qualité BIKAIN, 2013

Premio Banco Santander a la empresa del año, 2019
Banco Santander Award to the Company, 2019
Prix Banco Santander à l'entreprise de l'année, 2019

Ruban d'Honneur, European Business Awards 2012/13
Ruban d'Honneur, European Business Awards 2012/13
Ruban d'Honneur, European Business Awards 2012/13

International Quality Innovation Award, Beijing 2019
International Quality Innovation Award, Beijing 2019
International Quality Innovation Award, Beijing 2019

Premio Internacional al Mejor Modelo de Negocio, 2012
International Award by Development Systems to the Best Business Model, 2012
Prix International au Meilleur Modèle d'Entreprise, 2012

Quality Innovation Award, Euskalit 2018
Quality Innovation Award, Euskalit 2018
Quality Innovation Award, Euskalit 2018

Premio a la Internacionalización, Club de Exportadores e Inversores, 2011
Internationalization Award by The Spanish Exporters and Investors Club, 2011
Prix de l'internationalisation, Club des Exportateurs et Investisseurs, 2011

Premio Confebask, Mejor Instructor, 2018
Confebask Award, Best Instructor, 2018
Prix Confebask, Meilleur Instructeur, 2018

Premio Finalista en Innovación CEX Asociación Española de Centros de la Excelencia, 2011
Finalist Award for Best Practice in Innovation 2011, by CEX Spanish Association of Centers of Excellence
Prix Finaliste en Innovation CEX Association Espagnole des Centres d'Excellence, 2011

Premio Pacto Verde a las buenas prácticas medioambientales, 2018
Green Pact Award for good environmental practices, 2018
Prix Pacte Vert aux bonnes pratiques environnementales, 2018

Premio Nacional al Relevo Generacional, 2010
Company Succession National Award, 2010
Prix national a la relève générationnel, 2010

Empresa del año 2018, El Correo – Banco Sabadell
Company of the year 2018, El Correo - Banco Sabadell
Entreprise de l'année 2018, El Correo – Banco Sabadell

Premio Iberoamericano de la Calidad y Excelencia 2010, Premio Oro
Iberoamerican Award for Quality Managament & Excellence 2010
Prix Ibéro-américain de la Qualité et l'Excellence 2010, Prix d'Or

Premio a la Innovación Industrial Vodafone-Deia, 2017
Vodafone-Deia Industrial Innovation Award, 2017
Pris de l'innovation industrielle Vodafone-Deia 2017

Medalla de Oro por la Oficina Nacional de la Normalización de Cuba, 2010
Gold Medal, National Office of Standards and Normalization of Cuba, 2010
Médaille d'Or par le Bureau National de la Normalisation de Cuba, 2010

Premio BANKIA-ACOCEX a la Trayectoria Internacional, 2016
International Business Award BANKIA-ACOCEX, 2016
Prix BANKIA ACOCEX pour son Parcours International, 2016

Premio Dato de Oro a la Empresa Solidaria, 2010
"Dato de Oro" Award on Corporate Social Responsability, 2010
Prix Dato d'Or à l'Entreprise Solidaire, 2010

Quality Innovation Award, Euskalit 2016
Quality Innovation Award, Euskalit 2016
Quality Innovation Award, Euskalit 2016

Premio Europeo a la Mejor Práctica de Innovación, Foro EFQM 2010
European Award to the Best Practice in Innovation, by the EFQM Forum, 2010
Prix Européen à la Meilleure Pratique d'Innovation, Forum EFQM 2010

Sello Pyme Innovadora del Ministerio Español de Economía y Competitividad, 2016
Innovative SME Stamp from the Spanish Ministry of Economy and Competitiveness, 2016
Label de la PME Innovatrice du Ministère Espagnole de l'Economie et de Compétitivité, 2016

Premio Finalista a la Excelencia Industrial por IESE (España), INSEAD (Francia) y WHU (Alemania), 2010
Industrial Excellence Finalist Award by IESE (Spain), INSEAD (France) and WHU (Germany) Business Schools, 2010
Prix finaliste à l'Excellence Industrielle attribué par IESE (Espagne), INSEAD (France) et WHU (Allemagne), 2010

Premio Juan José Azurmendi a la Trayectoria Empresarial, 2014
Employers Federation Award for a Lifelong Entrepreneurial Achievement, 2014
Prix Juan José Azurmendi à la Trajectoire Entrepreneuriale, 2014

Premio Gran Emprendedor, 2010
Great Entrepreneur Award for the Founder and Chairman of EGA Master, 2010
Prix Grand Entrepreneur, 2010

Premio Lazarraga, 2014
Basque Language Award, 2014
Prix de la Langue Basque, 2014

Premio I+D+i en Herramientas de Seguridad, 2010
R&D Award for Safety Tools, 2010
Prix R&D+i pour les Outils de Sécurité, 2010

OHSAS 18001, 2014
OHSAS 18001, 2014
OHSAS 18001, 2014

Q de Oro EFQM, 2009
EFQM Golden Q Award, 2009
Q d'Or EFQM, 2009

Premio Human a la Estrategia Basada en Personas, 2009
Human Award for its Strategy Based on People, 2009
Prix Human pour la Stratégie Basée sur les Personnes, 2009

Premio ICIL a la Excelencia Logística, 2009
ICIL Award to Excellence in Logistics, 2009
Prix ICIL à l'excellence en Logistique, 2009

ISO 9001:2008, 2009
ISO 9001:2008, 2009
ISO 9001-2008, 2009

Premio Finalista a la Mejor Web Corporativa, 2009
Finalist Award to the Best Company Website, March 2009
Prix Finaliste au Meilleur Site Web Corporatif, 2009

Premio Príncipe Felipe a la Excelencia en Competitividad Empresarial, 2008
Principe Felipe Award to Corporate Excellence in Competitiveness, 2008
Prix Príncipe Felipe à l 'Excellence en Compétitivité Entrepreunariale, 2008

Premio Finalista Príncipe Felipe a la Excelencia Empresarial en Internacionalización, 2008
Principe Felipe Finalist Award to Corporate Excellence in Internationalization, 2008
Prix Finaliste Principe Felipe a l'Excellence Entreprise en Internationalisation, 2008

Premio Toribio Echevarría de Internacionalización, 2008
Toribio Echevarría Export Award, 2008
Prix Toribio Echevarría de l'Internationalisation, 2008

Medalla de Oro al Diseño por la Oficina Nacional de la Normalización de Cuba, 2008
Gold Medal by the Cuban Office of Normalization, 2008
Médaille d'Or au Design par le Bureau National de la Normalisation de Cuba, 2008

Q de Plata EFQM, 2008
EFQM Silver Q Award, 2008
Q d'Argent EFQM, 2008

Premio Finalista Dato de Oro a la Empresa Solidaria de Álava, 2008
"Dato de Oro" Finalist Award on Corporate Social Responsibility, 2008
Finaliste Dato d'Or à l'Entreprise Solidaire d'Álava, 2008

La Llave Alavesa de EGA Master elegida para la Exposición "La Utilidad del Diseño" del Círculo de Bellas Artes, 2008
The Fine Arts Circle of Spain choses the Basque Wrench for its "Usefulness of Design" Exhibition 2008
La Clé Basque d'EGA Master élue pour l'exposition « l'Utilité du Dessin » du Cercle des Beaux Arts, 2008

Premio a la Integración Profesional de los Jóvenes de la Fundación Novia Salcedo, 2008
Excellence Award to the Professional Integration of Young People by Novia Salcedo Foundation, 2008
Prix à l'Intégration Professionnelle des Jeunes de la Fondation Novia Salcedo, 2008

Premio Mejor Producto del Año a la Mastergrip, 2007
Best Product Award for Mastergrip, 2007
Prix du Meilleur Produit de l'Année à la Mastergrip, 2007

Premio al Mejor Diseño de la Oficina Nacional de Diseño Industrial de Cuba, 2007
Best Design Award National Office of Industrial Design of Cuba, 2007
Prix au Meilleur Design du Bureau National du Design Industriel de Cuba, 2007

ISO 14001:2004, 2007
ISO 14001:2004, 2007
ISO 14001-2004, 2007

5 Medallas obtenidas en el Salón Internacional de la Invención de París, "Concours Lepine", París 2007
5 Medals received at the International Invention Competition in Paris, "Concours Lepine" April 2007
5 Médailles obtenues au Salon International de l'Invention de Paris, "ConcourS Lepine", Paris 2007

Premio a la Calidad, otorgado por el Ministerio de la Construcción de Cuba, 2007
Quality Award, Ministry of Construction of Cuba, 2007
Prix à la Qualité, attribué par le Ministère de la Construction de Cuba, 2007

Premio a la Mejor Idea en Herramientas del Club de Inventores Españoles, 2007
Best Tool Award by "Spanish Inventor's Club", 2007
Prix à la Meilleure Idée en Outillage du Club des Inventeurs Espagnols, 2007

Medalla de Oro a la Calidad de la Oficina Nacional de la Normalización de Cuba, 2006
Gold Medal, National Office of Standards and Normalization of Cuba 2006
Médaille d'Or à la Qualité du Bureau National de la Normalisation de Cuba, 2006

Premio al Mejor Diseño de la Oficina Nacional de Diseño Industrial de Cuba a la Llave Vasca, 2006
Best Design Award, National Office of Industrial Design of Cuba, 2006
Prix du Meilleur Dessin du Bureau National de Dessin Industriel de Cuba pour la Clé Basque, 2006

Premio Finalista Príncipe Felipe a la Excelencia Empresarial, 2005
Principe Felipe Finalist Award to Corporate Excellence, 2005
Prix Finaliste Principe Felipe à l'Excellence Industrielle, 2005

Q de Plata EFQM, 2005
EFQM Silver Q Award, 2005
Q d'Argent EFQM, 2005

Premio ARGILAN "Empresa y Empleo en Igualdad", 2005
ARGILAN Award for Gender Equality at the Work Place, 2005
Prix ARGILAN "Entreprise et Emploi en Egalité", 2005

5 Medallas en el Salón Internacional de la Invención de París, "Concours Lepine", París 2004
5 Medals received at the International Invention Competition in Paris, "Concours Lepine" 2004
5 Médailles au Salon International de l'Invention de Paris, "Concours Lepine", Paris 2004

Joven Empresario del Año, 2003
Young Businessman Award, 2003
Jeune Entrepreneur de l'Année, 2003

Premio Especial de la Unión Francesa de Inventores, 2003
Special Prize of French Inventor Association, 2003
Prix Spécial de l'Union Française des Inventeurs, 2003

Diploma de Ekoscan, 2003
Ekoskan Diploma 2003
Diplôme d'Ekoscan, 2003

Medalla de Plata del Mundial de la Invención e Innovación, París 2003
Silver Medal at the World Congress of Innovation and Invention, Paris 2003
Médaille d'argent au Mondial de l'invention et de l'innovation, Paris 2003

ISO 9001:2000, 2003
ISO 9001:2000, 2003
ISO 9001-2000, 2003

Premio a la Exportación, 2002
Export Award of Chamber of Commerce, 2002
Prix à l'Exportation, 2002

Diploma de Excelencia EFQM, 2002
EFQM Excellence Diploma, 2002
Diplôme d'Excellence EFQM, 2002

Premio a la Innovación Metalmaq, 2001
Innovation Award at Metalmaq, Lisbon 2001
Prix à l'innovation Metalmaq, 2001

Trofeo Internacional a la Calidad, París 1998
International Quality Award, Paris 1998
Trophée International à la Qualité, Paris 1998

Empresa Alavesa del Año, 1998
Company of the Year, 1998
Entreprise de l'Année 1998 en Alava



PREMIOS DESTACADOS

MAIN AWARDS

PRIX ÉMINENTS

EGA Master, Premio Iberoamericano a la Excelencia

EGA Master winner of the Ibero-American Quality Management Award

EGA Master, Prix Ibero-Americain à l'Excellence



La Fundación Iberoamericana para la Gestión de la Calidad (Fundibeq) concedió el Premio Iberoamericano de la Calidad y Excelencia, Premio Oro a EGA Master. El Premio Iberoamericano a la Excelencia es un programa de las Cumbres Iberoamericanas de Jefes de Estado y de Gobierno basado en el Modelo Iberoamericano de Excelencia en la Gestión que reconoce a las empresas más avanzadas y con los mejores resultados.

EGA Master is the winner of the Ibero-American Quality Award from Foundation for the Management Quality (Fundibeq). The awards are part of a program set up by the Ibero-American Summit of Governments and Heads of State. The event recognizes the companies with the best management level and results in Spain, Portugal and all of Latin America. EGA Master is the only hand tool manufacturer ever to have won this prestigious award.

La Fondation Ibéro-américaine pour la Gestion de la Qualité (Fundibeq) a décerné le Prix Ibéro - Américain de la Qualité et l'Excellence, Prix d'Or à EGA Master. Ce prix est un programme du sommet Ibéro-américain de Chefs d'État et de Gouvernement basé sur le Modèle Ibéro-américain d'Excellence de Gestion qui donne la reconnaissance aux entreprises les plus développées et avec les meilleurs résultats.

Q de Oro a la Excelencia en la Gestión según el Modelo Europeo EFQM

Golden Q to the Management Quality according to the European Model EFQM

Q d´Or à la Qualité de Gestion, selon le Modèle Européen EFQM



EGA Solutions logra el premio internacional "Quality Innovation Award" de Laatukeskus Excellence Finland

EGA Solutions achieved the international "Quality Innovation Award" from Laatukeskus Excellence Finland

EGA Solutions remporte le prix international « Quality Innovation Award » de Laatukeskus Excellence Finland



EGA Solutions (EGA Group) reconocida con el Quality Innovation Award. El premio fue firmado y recibido de manos del Presidente de Finlandia Sauli Niinistö. La innovadora práctica presentada por EGA Solutions y desarrollada para ITP Aero (grupo Rolls-Royce), ha consistido en una solución de trazabilidad integral en el proceso de montaje de mecanizado de piezas de motores de avión, desplegando un ecosistema tecnológico escalable, flexible y sostenible, desde el punto de vista de su operación y su eficiencia económica.

EGA Solutions (EGA Group) recognised with the Quality Innovation Award. The award was signed and received by the President of Finland Mr. Sauli Niinistö. The innovative practice presented by EGA Solutions and developed for ITP Aero (Rolls-Royce group), has consisted on a comprehensive traceability

solution in the machining assembly process of aircraft engine parts, deploying a scalable, flexible and sustainable technological ecosystem, from the point of view of its operation and its economic efficiency.

EGA Solutions (Groupe EGA) récompensée par le prix « Quality Innovation Award ». Le prix a été signé et reçu par le Président de la Finlande Sauli Niinistö. La pratique innovante présentée par EGA Solutions et développée pour ITP Aero (groupe Rolls-Royce), a consisté en une solution complète de traçabilité dans le processus d'assemblage de pièces de moteurs d'avions, déployant un écosystème technologique évolutif, flexible et durable, du point de vue de son fonctionnement et de son efficacité économique.

EGA Master, Premio Príncipe Felipe a La Excelencia Empresarial en Competitividad

EGA Master wins the Príncipe Felipe Award, top Excellence Award in Spain

EGA Master, Prix Príncipe Felipe à l'Excellence Entrepreunariale en Compétitivité



EGA Master mereció el galardón especial Premio Príncipe Felipe a la Excelencia Empresarial en Competitividad. El premio lo recibió su presidente, Iñaki Garmendia, en un acto presidido por Su Alteza Real el Príncipe Felipe. EGA Master fue también premiado en esta edición como finalista en la modalidad de Internacionalización con mención especial y expresa en su presentación.

EGA Master has been awarded with the special Príncipe Felipe Award to the Management Excellence in Competitiveness. The Chairman of Ega Master, Iñaki Garmendia, received the award in a ceremony presided by His Royal Highness Prince Felipe of Spain. EGA Master has also been finalist in the Most International Company category, with special mention in the ceremony.

EGA Master a mérité la récompense spéciale Prix Príncipe Felipe à l'Excellence Entrepreunariale en Compétitivité. C'est son President Iñaki Garmendia qui a reçu le prix au cours d'un acte présidé par Son Altesse Royale le Prince Felipe. EGA Master a également été récompensé en tant que finaliste dans la catégorie «Internationalisation» avec une mention spéciale et expresse dans sa présentation.

EGA Master, una de las 100 Marcas más Renombradas de España

EGA Master, Top 100 Leading Brands of Spain

EGA Master, Top 100 Leading Brands of Spain



EGA Master ha sido elegida como una de las 100 marcas españolas más destacadas y valoradas a nivel internacional y como tal, incluida como miembro en el prestigioso Foro de Marcas Renombradas Españolas.

EGA Master has been selected to become a full member of the Leading Brands of Spain Forum which brings together the 100 top Spanish brands.

La marque EGA Master a été elue comme une des 100 marques espagnoles les plus remarquées et valorisées au niveau international et à ce titre inclue comme membre dans le prestigieux Forum Des Marques Renommées Espagnoles.

EGA Master Ruban d'Honneur, European Business Awards

EGA Master Ruban d'Honneur, European Business Awards

EGA Master Ruban d'Honneur, European Business Awards



EGA Master ha sido seleccionado como Ruban d'Honneur y finalista en los premios europeos European Business Awards. La elección confirma a EGA Master como una de las empresas más dinámicas de Europa, perfectamente alineada con los principios básicos de los European Business Awards: Éxito, Innovación y Ética.

EGA Master has been selected as Ruban d'Honneur recipients in the European Business Awards. The selection indicates that EGA Master is one of Europe's most dynamic and exciting businesses, actively demonstrating the core principles of the European Business Awards: Success, Innovation and Ethics.

EGA Master été sélectionnée comme Ruban d'Honneur et finaliste du prix européen European Business Awards. L'élection confirme qu'EGA Master est l'une des entreprises les plus dynamiques d'Europe, et parfaitement en accord avec les critères de l'European Business Awards: Réussite, Innovation et Éthique.

RESPONSABILIDAD SOCIAL

SOCIAL RESPONSIBILITY

RESPONSABILITÉ SOCIALE



Donaciones de herramientas
Donations of tools



EGA Master en la Universidad
EGA Master in the University

El compromiso de EGA Master con la responsabilidad social

En **EGA Master** estamos convencidos de nuestra responsabilidad con la sociedad global a la que pertenecemos. Vivimos en un mundo con el que interactuamos, y por tanto nos debemos también a ella. Nos volcamos con aquellos valores sociales que nos identifican como organización, y actuamos siempre en consecuencia:

- Favoreciendo a los necesitados con campañas de donación de herramienta y equipos para proyectos en países en desarrollo, con los desplazados en Sáhara, en Costa de Marfil, construcción de colegios en México o Guinea Ecuatorial, entre otros.
- Integrando a los jóvenes en el mundo laboral (Primer Premio Novia Salcedo).
- Garantizando la Igualdad de Oportunidades en Género (Primer Premio Argilan).
- Patrocinando proyectos deportivos que impulsan y promueven los valores que nos caracterizan.
- Formando en Masters y Universidades a los profesionales del futuro, y ofreciendo más de 20 jornadas de puertas abiertas al año a diferentes centros de formación.

Estamos orgullosos de ello y plenamente convencidos de seguir mejorando el mundo desde **EGA Master**.

EGA Master, por un mundo mejor.

EGA Master's commitment to social responsibility

*In **EGA Master** we are convinced about our responsibility to the global society of which we form part of. We live in a world where we interact, and thus we owe our existence to it. We are firmly committed to the social values that form the soul of our company and try to act in accordance to them by:*

- *Donations of tool lots to Non- Government Organizations (NGOs) that act in the developing world or in other areas with special needs, such as the refugees of Western Sahara, the internally displaced people of Ivory Coast (where training schools have been created) or the building of schools in Mexico and Equatorial Guinea.*
- *Integrating young people into the business world, by offering paid internships that ease the entrance into the corporate life (Novia Salcedo Foundation Award).*
- *Guaranteeing Equal Opportunities and banning discrimination on the basis of gender, race, religion, nationality or sexual orientation (First Argilan Award).*
- *Sponsoring sports events that promote our values.*
- *Lecturing free of charge a Bachelors, Masters and Post-graduate courses.*
- *Organizing open-door days for students, academics and business people.*

We are proud of all these activities that help to contribute in our own modest way to a better world.

L'engagement d'EGA Master avec la responsabilité sociale

Chez **EGA Master**, nous sommes convaincus de notre responsabilité envers la société globale à laquelle nous appartenons. Nous vivons dans un monde avec lequel nous interagissons, et lui sommes donc redevables. Nous nous consacrons corps et âme à des valeurs sociales qui nous identifient comme une organisation, et nous agissons en conséquence :

- En favorisant les nécessiteux grâce à des campagnes de dons d'outils et équipements pour des projets pour les déplacés du Sahara ou de la Côte d'Ivoire, la construction de collèges au Mexique ou en Guinée Equatoriale, entre autres…
- En intégrant les jeunes sur le marché du travail (Premier Prix Novia Salcedo).
- En garantissant l'Egalité des Opportunités hommes/femmes ((Premier Prix Argilan).
- En sponsorisant des projets sportifs qui stimulent les valeurs qui nous caractérisent.
- En formant dans des Masters et des Universités les professionnels du futur, et en offrant plus de 20 journées portes ouverts par an dans différents centres de formation.

Nous sommes fiers de tout cela, et pleinement convaincus de continuer à améliorer le monde depuis **EGA Master**.

EGA Master, pour un monde meilleur.

Patrocinios deportivos
Sport sponsorships



Cálculo y Reducción de la Huella de Carbono
Carbon Footprint Calculation and Reduction



Sistema de Gestión Compliance Antisoborno
Anti-bribery Compliance Management System



Patrocinador de la Euroliga de Baloncesto

Sponsor of Euroleague Basketball

Sponsor de l'Euroligue de Basket



Algunos de nuestros logros más recientes

- Primera empresa del sector en Certificarse con un Sistema de Gestión Compliance Antisoborno basado en ISO 37001. Esta Certificación convierte a **EGA Master** en una empresa tractora a nivel internacional por sus buenas prácticas y transparencia en los negocios.
- Primera empresa del sector en calcular su huella de carbono, registrarla y obtener el Sello de Calculo, Reduzco del Ministerio Transición Ecológica.
- **EGA Master** seleccionada en 2019 y 2021 por la Comunidad #PorElClima para ser una de las 101 iniciativas empresariales, como ejemplo de lucha contra el cambio climático.
- Contratación de energía verde Cero Emisiones con las Garantías de Origen (GdO) que emite la Comisión Nacional de los Mercados y la Competencia (CNMC).
- **EGA Master** pasa a formar parte de la prestigiosa Asociación del Hidrógeno (AeH2) fruto de su compromiso con el desarrollo de soluciones de tecnología eficiente, para reducir el impacto ambiental.
- **EGA Master**, seleccionada por un comité de expertos formado por miembros de Fundación Biodiversidad del Ministerio para la Transición Ecológica, Grupo Español para el Crecimiento Verde, Red Española del Pacto Mundial, Aclima, Forética y Club de Excelencia en Sostenibilidad como ejemplo empresarial por sus acciones contra el cambio climático.
- **EGA Master** obtiene en 2020 la certificación ISO 45001, la mayor certificación a nivel internacional en seguridad y salud en el trabajo.

Some of our most recent achievements

- *The first company in the sector to be certified with an Anti-bribery Compliance Management System based on ISO 37001. This Certification makes **EGA Master** an international driving force for its good practices and transparency in business.*
- *First company in the sector to calculate its carbon footprint, register it and obtain the "Calculo + Reduzco" seal, a recognition given by the Ecological Transition Ministry for the efforts made by the Spanish companies to reduce their carbon footprint.*
- ***EGA Master** selected in 2019 and 2021 by the #PorElClima Community to be one of the 101 business initiatives, as an example of the fight against climate change.*
- *Contracting Zero Emissions green energy with the Guarantees of Origin (GdO) issued by the Spanish competition regulator (CNMC).*
- ***EGA Master** becomes part of the prestigious Spanish Hydrogen Association (AeH2) as a result of its commitment to developing efficient technology solutions to reduce environmental impact.*
- ***EGA Master**, selected by a committee of experts made up of members of the Biodiversity Foundation of the Spanish Ecological Transition Ministry, the Spanish Group for Green Growth, the Spanish Global Compact Network, Aclima, Forética and the Club of Excellence in Sustainability as a business example for its actions against climate change.*
- ***EGA Master** obtains in 2020 ISO 45001 certification, the highest international certification in occupational health and safety.*

Quelques-unes de nos réussites les plus récentes

- Première entreprise du secteur à être certifiée avec un système de gestion de la conformité anti-corruption basé sur la norme ISO 37001. Cette certification fait d'**EGA Master** une entreprise leader au niveau international pour ses bonnes pratiques et sa transparence dans les affaires.
- Première entreprise du secteur à calculer son empreinte carbone, à l'enregistrer et à obtenir le sceau "Calculo+Reduzco" du ministère de la Transition écologique.
- **EGA Master** sélectionnée en 2019 et 2021 par la Communauté #PorElClima pour faire partie des 101 initiatives d'entreprises, comme exemple de lutte contre le changement climatique.
- Contrats d'énergie verte à émissions zéro avec les garanties d'origine (GoO) délivrées par la Commission Nationale des Marchés et de la Concurrence (CNMC).
- **EGA Master** devient membre de la prestigieuse Association de l'hydrogène (AeH2) en raison de son engagement dans le développement de solutions technologiques efficaces pour réduire l'impact environnemental.
- **EGA Master**, sélectionnée par un comité d'experts formé par des membres de la Fondation pour la Biodiversité du Ministère Espagnol de la Transition Écologique, Groupe Espagnol pour la Croissance Verte, Réseau Espagnol du Pacte Mondial, Aclima, Forética et Club d'excellence en Matière de durabilité comme exemple d'entreprise pour ses actions contre le changement climatique.
- **EGA Master** obtient en 2020 la certification ISO 45001, la plus haute certification internationale en matière de santé et de sécurité au travail.

ÍNDICE
INDEX
SOMMAIRE

TOOL CONTROL SYSTEM
Pag 17-22
1


TOOLKITS
Pag 23-174
2


ALICATES Y TENAZAS
PLIERS AND PINCERS
PINCES ET TENAILLES
Pag 175-210
3


EXTRACTORES
GEAR PULLERS
EXTRACTEURS
Pag 211-218
4


DESTORNILLADORES
SCREWDRIVERS
TOURNEVIS
Pag 219-252
5


PUNTAS DE DESTORNILLADOR
BITS
EMBOUTS DE VISSAGE
Pag 253-296
6


LLAVES AJUSTABLES
ADJUSTABLES WRENCHES
CLÉS À MOLETTE
Pag 297-312
7


LLAVES
WRENCHES
CLÉS
Pag 313-398
8


LLAVES DE VASO
SOCKET WRENCHES
DOUILLES
Pag 399-500
9


APRIETE CONTROLADO
CONTROLLED TIGHTENING
SERRAGE CONTROLÉ
Pag 501-550
10


HIDRÁULICA
HYDRAULIC TOOLS
HYDRAULIQUE
Pag 551-570
11


NEUMÁTICA
PNEUMATIC TOOLS
PNEUMATIQUE
Pag 571-598
12

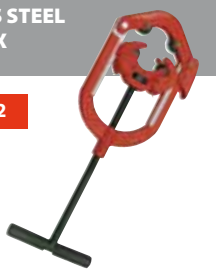

ELECTROPORTÁTIL
BATTERY TOOLS
OUTIL ÉLECTROPORTATIF
Pag 599-606
13


LIMAS
FILES
LIMES
Pag 607-622
14


PARA AUTOMOCIÓN
AUTOMOTIVE TOOLS
POUR L'AUTOMOBILE
Pag 623-666
15


MACHOS Y COJINETES
TAPS AND DIES
TARAUDS ET FILIÈRES
Pag 667-676
16


PARA TUBO
PIPE TOOLS
OUTILLAGE TUBE
Pag 677-696
17


PARA INOX
STAINLESS STEEL
POUR INOX
Pag 697-702
18


MÁQUINAS PARA TUBO
PIPING MACHINES
MACHINES POUR TUBE
Pag 703-736
19


DESATASCADORES
DRAIN CLEANING
DEBOUCHEURS
Pag 737-752
20


PARA COBRE
FOR COPPER
POUR LE CUIVRE

Pag 753-764



21

SOLDADURA
SOLDERING
SOUDURE

Pag 765-768



22

PARA PLÁSTICO
FOR PLASTIC
POUR PLASTIQUE

Pag 769-774



23

PARA MADERA
FOR WOOD
POUR LE BOIS

Pag 775-778



24

CORTE
CUTTING
OUTILS COUPANTS

Pag 779-798



25

MARTILLOS
HAMMERS
MARTEAUX

Pag 799-812



26

CONSTRUCCIÓN
CONSTRUCTION
CONSTRUCTION

Pag 813-826



27

MEDICIÓN
MEASURING
MESURE

Pag 827-858



28

ILUMINACIÓN
LIGHTING
ÉCLAIRAGE

EGALUX

Pag 859-864



29

SISTEMAS DE ELEVACIÓN
LIFTING SYSTEMS
SYSTÈMES DE LEVAGE

Pag 865-868



30

EGATRONIK

EGATRONIK

Pag 869-884



31

ELECTRICIDAD
ELECTRICIAN TOOLS
OUTILLAGE D'ELECTRICIEN

Pag 885-894



32

1000V

Pag 895-958



1.000V
IEC 60900

33

ESD ANTIESTÁTICA
ESD ANTISTATIC
ESD ANTISTATIQUE

Pag 959-966



34

ANTI-CAÍDA
ANTIDROP
ANTI-CHUTE

Pag 967-1030



DROPS

35

ANTICHISPA AISLADA 1000V
1000V INSULATED NON-SPARKING
ANTIDÉFLAGRANT ISOLÉ 1000V

Pag 1031-1036



EX

36

ANTICHISPA
NON-SPARKING
ANTIDÉFLAGRANT

Pag 1037-1186



EX

37

SEGURIDAD INTRÍNSECA
INTRINSIC SAFETY
SÉCURITÉ INTRINSÈQUE

Pag 1187-1254



38

SUBACUÁTICA
UNDERWATER
SUBAQUATIQUE

AQUAMaster

Pag 1255-1270



39

TITANIO
TITANIUM
TITANE

Pag 1271-1288



40

HERRAMIENTA INOX
STAINLESS STEEL
OUTILLAGE INOX

Pag 1289-1334



INOX

41

EPI
PPE
EPI

Pag 1335-1344



42

ARTÍCULOS PROMOCIONALES
PROMOTIONAL ITEMS
ARTICLES PROMOTIONNELS

Pag 1345-1360



43

EGA Solutions

EGA Solutions, empresa del grupo EGA, ofrece servicios de ingeniería y soluciones para la Industria 4.0

EGA Solutions, a company of the EGA Group, offers engineering services and solutions for Industry 4.0

EGA Solutions, entreprise du groupe EGA, propose des services d'Ingénierie et des solutions pour l'Industrie 4.0



EGALOC

Solución de geolocalización de equipos y productos (tanto terminados como en curso) en plantas productivas, para la optimización de procesos productivos y seguridad.

Geolocation solution for locating equipment and products (both finished and in progress) in production plants , for the optimization of productive processes and safety.

Solution de géolocalisation des équipements et des produits (tant terminés comme en cours) dans les usines productives, pour l'optimisation des processus de production et la sécurité.





EGAWARE

Sistema de gestión de herramientas y útiles que permite un mejor control de acceso a las herramientas, así como de la entrada y salida de las mismas durante los turnos de trabajo.

A management system for tools and supplies that allow better access control to tools, as well as the entry and exit of them during work shifts.

Système de gestion d'outils qui permet le meilleur contrôle d'accès aux mêmes, ainsi que leur entrée et sortie durant les tours de travail.



Smart STATION

Soluciones a medida para implantar sistemas de Lean Manufacturing, 5S & Poka Yoke.

Customized solutions to implement Lean Manufacturing, 5S & Poka Yoke.

Des solutions sur mesure pour implanter des systèmes de Lean Manufacturing, 5S & Poka Yoke.



EGA KANBAN

Basado en la tecnología EGAWARE, ofrecemos solución específica para almacenes Kanban.

Based on EGAWARE technology, we offer a specific solution for Kanban storage locations.

Basé sur la technologie EGAWARE, nous proposons une solution spécifique pour les magasins Kanban.



EGATORK

Sistema wireless de gestión de pares de apriete, para aseguramiento de la calidad y optimización de la producción.

Wireless torque management system for quality assurance and production optimization.

Système de gestion du couple sans fil, pour l'assurance qualité et l'optimisation de la production.

1

SISTEMA DE CONTROL DE HERRAMIENTAS
TOOL CONTROL SYSTEM
SYSTÈME DE CONTRÔLE D'OUTILS
WERKZEUG-ORDUNGS-SYSTEM
SISTEMA DI CONTROLLO PER UTENSILI
SISTEMA DE CONTROLO DE FERRAMENTAS
СИСТЕМЫ КОНТРОЛЯ ИНТСТРУМЕНТА



1 SISTEMA DE CONTROL DE HERRAMIENTAS
TOOL CONTROL SYSTEM
SYSTÈME DE CONTRÔLE D'OUTILS





Los sistemas de control de herramientas son muy importantes por dos razones fundamentales. La primera, evitar el gran despilfarro económico debido a descuidos en la gestión y utilización de herramientas, y, la segunda, seguridad frente a posibles FOD.

FOD es una abreviatura utilizada en aviación para referirse a los posibles "restos de objetos extraños" (Foreing Object Debris), también utilizada para describir los daños causados por dichos objetos o "daños causados por elementos extraños" (Foreing Object Damage). Estos daños pueden verse reflejados tanto en términos físicos como económicos y pueden afectar a la seguridad y al rendimiento de los aparatos.

Los "FOD de herramientas" son los riesgos ocasionados por dejar herramientas olvidadas o perdidas en el interior de un avión tras su fabricación o labores de mantenimiento. Estas herramientas u otros objetos pueden enredarse en los cables de control, obstaculizar partes móviles, afectar a las conexiones eléctricas…, pudiendo interferir en la seguridad de vuelo. En general, los equipos de mantenimiento de aeronaves disponen de estrictos sistemas de control de herramientas, incluyendo inventarios de las cajas de herramientas para cerciorarse de que ninguna herramienta se queda en el avión.

Por todo lo comentado anteriormente y con el fin de proporcionar un efectivo y seguro sistema de control de herramientas, EGA Master ofrece una amplia gama de productos y servicios.

Tool control systems are very important due to 2 main reasons: avoiding economic waste or loss due to careless tool stock management; and for FOD safety.

Foreign Object Debris (FOD) is a substance, debris or article alien to a vehicle or system which could potentially cause damage. Foreign Object Damage (also abbreviated FOD) is any damage attributed to a foreign object (i.e. any object that is not part of the vehicle) that can be expressed in physical and economic terms and may degrade the product's required safety or performance. FOD is an abbreviation often used in aviation to describe both the damage done to aircraft by foreign objects, and the foreign objects themselves.

"Internal FOD" is used to refer to damage or hazards caused by foreign objects inside the aircraft. "Tool FOD" is a serious hazard caused by tools left inside the aircraft after manufacturing or servicing. Tools or other items can get tangled in control cables, jam moving parts, short out electrical connections, or otherwise interfere with safe flight. Aircraft maintenance teams usually have strict tool control procedures including toolbox inventories to make sure all tools have been removed from an aircraft before it is released for flight. Tools used during manufacturing are tagged with a serial number so if they are found they can be traced.

*In order to provide an effective and safe tool control system, **EGA Master** offers a wide range of products and services.*

Les systèmes de contrôle d'outils son très importants pour deux raisons fondamentales. La première, éviter le grand gaspillage économique du aux négligences dans la gestion et l'usage d'outils ; la seconde, sécurité face aux FOD.

FOD est une abréviation utilisée dans l'aviation pour faire référence aux possibles «restes d'objets étrangers» (Foreign Object Debris), également utilisé pour décrire les dommages causés par ces objets ou «dommages causés par des éléments étrangers» (Foreign Object Damage). Ces dommages peuvent être reflétés autant au point de vue physique qu'au point de vue économique et peuvent affecter la sécurité et le rendement des appareils.

Les "FOD d'outils" sont les risques encourus lorsque des outils sont oubliés ou perdus à l'intérieur d'un avion après sa fabrication ou travaux de maintenance. Ces outils ou autres objets peuvent s'emmêler dans les câbles de contrôle, faire obstacle des parties mobiles, affecter les connexions électriques… qui peuvent intervenir dans la qualité de vol. Généralement, les équipes de maintenance des aéronefs disposent de contrôle d'outils très strict, incluant également des inventaires des boites à outils afin de s'assurer qu'aucun outil ne soit resté dans l'avion.

EGA Master offre une gamme élargie de produits et services pour les environnements précédemment évoqués et afin de fournir un système de contrôle d'outils effectif et sûr.



1 BANDEJAS EVA BICOLOR
BI-COLOURED EVA FOAM TRAYS
PLATEAUX BICOULEURS EVA

Las herramientas se acoplan perfectamente a la bandeja y gracias a los dos colores utilizados permite visualizar de un solo golpe de vista la herramienta faltante en cada momento.

All tools perfectly fit their position in the tray, while missing tools can be easily and quickly identified at first sight.

Les plateaux sont faits à la forme des outils et grâce à la couleur rouge du fond, nous pouvons visualiser d'un seul coup d'oeil l'outil manquant à chaque instant.

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2 DISEÑOS DE BANDEJAS EVA PERSONALIZADOS
CUSTOMIZED EVA TRAY DESIGN
CONCEPTION DE TIROIR EVA PERSONNALISÉES

Si los sets estándar de **EGA Master** no encajan en sus requerimientos, indíquenos su selección de herramientas y nosotros le fabricaremos las bandejas EVA bicolor personalizadas a su medida.

*If the standard **EGA Master** sets do not match your tool set requirements, just inform us about your personal selection, and we will customize bi-colored foam trays manufacture for you.*

Si les kits standards d'**EGA Master** ne s'ajustent pas à vos besoins, indiquez nous votre choix d'outils et nous vous fabriquerons les plateaux EVA bicolore personnalisées sur mesure.



3 MARCAJE/GRABADO DE HERRAMIENTAS A LÁSER
LASER ETCHING / MARKING SERVICE
MARQUAGE / GRAVURE D'OUTILS AU LASER

EGA Master ofrece la posibilidad de marcar o grabar a láser las herramientas con diferentes logos o números, identificando perfectamente la empresa, división o equipo al que pertenecen, evitando los típicas "faltas" de herramientas.

EGA Master can laser mark your tools with different logos or division numbers, perfectly identifying which specific tool belongs to which company, division or team, avoiding common mix-ups.

EGA Master offre la possibilité de marque ou graver au laser les outils avec différents logos ou numéros, en identifiant parfaitement l'entreprise, la division ou équipe a laquelle ils appartiennent, en évitant les «erreurs» typiques d'outils.

4 SOFTWARE DE CONTROL DE LA HERRAMIENTA
TOOL TRACKING SOFTWARE
LOGICIEL DE CONTRÔLE D'OUTIL

EGA Master también ofrece un sistema único de control de herramientas, capaz de gestionar e identificar las herramientas que se cogen o se dejan y en posesión de quien están, gracias a **EGAware**, el software de control de herramientas específicamente desarrollado para esta aplicación. Esta herramienta de gestión crea conciencia de control y cuidado de la herramienta entre los usuarios, reduciendo las desapariciones de herramientas hasta en un 90 %.

Si usted necesita cotización o más información en relación a alguno de los sistemas de control de herramientas de **EGA Master**, no dude en ponerse en contacto con nosotros.

*EGA Master also offers a unique stock control system, that will control which tool is taken from or returned to the stock, and who is in possession of each tool at every moment. This is done through the specifically developed "**EGAware**" tool control software. This management tool creates a tool control consciousness among users, reducing tool loss by over 90%.*

If you need quotation or further information on any of above tool control systems, do not hesitate.

EGA Master offre également un système unique de contrôle d'outils, capable de controler et d'itentifier l'outil et le détenteur de ce dernier, grâce à **EGAware**, le logiciel de contrôle d'outils spécifiquement conçu pour cette application. Cet outil de gestion créer une conscience de contrôle et un soin de l'outil parmi les utilisateurs, réduisant les disparitions d'outils jusqu'à 90%.

Si vous avez besoin d'un devis ou plus d'information quant aux systèmes de contrôle d'outils d'**EGA Master**, veuillez ne pas hésiter à nous contacter.



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5 ARMARIOS PORTAHERRAMIENTAS *TOOL CONTROL SYSTEM* PARA CONTROL DE HERRAMIENTAS
TOOL CONTROL SYSTEM *ROLLET CABINETS TO CONTROL THE TOOLS*
SERVANTES PORTE-OUTILS *TOOL CONTROL SYSTEM* POUR LE CONTRÔLE DE L'OUTILLAGE





Ante los riesgos y costes que la pérdida de herramientas genera, **EGA Master** ha desarrollado una gama de armarios portaherramientas con ruedas inteligentes para el control de herramientas. Estos le permitirán tener la herramienta localizada en todo momento, reduciendo los costes asociados a la pérdida de las mismas hasta en un 90 %. Además, le permitirá disponer de un sistema robusto para el FOD (riesgo por olvido de herramientas en lugares sensibles), como, por ejemplo, en el mantenimiento aeronáutico.

Simplemente seleccione el armarios portaherramientas con ruedas TCS que desea, las herramientas que querría incluir en el mismo y **EGA Master** le configura tanto las bandejas como el software de manera personalizada. Los precios de los armarios portaherramientas con ruedas no incluyen las herramientas, que se facturarán por separado dependiendo de la composición solicitada.

Los armarios portaherramientas con ruedas presentados incluyen: armarios portaherramientas con ruedas con herramientas, bandejas bicolor personalizadas, software de control de herramientas, hardware de control de herramientas, carga de datos.

In face of the risks and costs that the loss of tools generate,
***EGA Master** has developed a range of smart roller cabinets to control the tools. These will allow to have the tool located at all times, reducing the costs associated with the loss thereof up to 90%. In addition it will provide a robust system for FOD (risk of forgetting tools in sensitive sites), such as in aeronautical maintenance.*

*Simply select the TCS roller cabinet you want, the tools that would be included in it, and **EGA Master** will configure both trays and software, in a customized way. The prices of the roller cabinets do not include the tools, which will be invoiced separately depending on the composition requested.*

The roller cabinets presented include: roller cabinets with tools, bi-coloured trays customized, tool control software, tool control hardware, data upload.

Face aux risques et aux coûts qui sont conséquence de la perte des outils, **EGA Master** a développé une gamme de servantes porte-outils à roues intelligentes pour le contrôle de l'outillage. Celles-ci vous permettront d'avoir l'outil localisé à tout instant, en réduisant les coûts associés à la perte des outils jusqu'à 90%. En plus, vous pourrez disposer d'un système robuste pour le FOD (risque causée par l'oubli des outils dans des lieux délicats), comme par exemple dans la maintenance aéronautique.

Simplement choisissez la servante porte-outils à roues TCS que vous désirez, les outils que vous voulez y inclure, et **EGA Master** vous configure les plateaux et le software, de manière personnalisée. Le prix des servantes porte-outils à roues n'incluent pas les outils, qui se factureront à part en fonction de la composition sollicitée.

Les servantes
porte-outils à roues incluent : servantes porte-outils à roues et outils, plateaux bicolores personnalisés, software de contrôle d'outils, hardware de contrôle d'outils, chargement des données.



ARMARIOS-CARROS DE HERRAMIENTAS TCS / *TCS ROLLER CABINETS* / SERVANTES A ROUES TCS / *TCS WERKSTATTWAGEN* / CASSETTIERE MOBILI TCS / *CARRO DE FERRAMENTAS COM GAVETAS E SISTEMA DE CONTROLO TCS* / ТЕЛЕЖКИ НА РОЛИКАХ TCS

COD.					
56995	730 x 475 x 1030 (51039)	64849	00967	65864	65865
56996	700 x 480 x 850 (50977)				
56997	1100 x 480 x 1000 (50954)				
56998	1434 x 560 x 1075 (57060)				

12M



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	
00958	Cuna para tablet industrial / *Tablet docking station* / Support pour tablette industrielle
64849	Lector inalámbrico / *Wireless lector* / Lecteur sans fil
65864	Impresora portátil códigos barras / *Portable bar code printer* / Imprimante portable code barres
65865	Etiqueta adhesiva / *Adhesive label* / Rouleau étiquete autocollant



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

GLOBAL ATOMIC
MINERÍA / MINING / MINIÈRE
NIGER







2 TOOLKITS



PERSONALICE EL COLOR
CUSTOMIZE THE COLOUR
PERSONNALISEZ LA COULEUR



Personalice el color de sus cajas, carros y mobiliario de taller seleccionando entre 4 colores disponibles, para:

- Potenciar la imagen corporativa de su empresa.
- Diferenciar visualmente los equipamientos por aplicaciones o divisiones.

Todos ellos disponibles en rojo (RAL 2002*), verde (RAL 6032*), azul (RAL 5017*) y amarillo (RAL 1003*).

* **Colores aproximados**

Customize the colour of your tool boxes, trolleys and workshop equipment by selecting from the 4 available colours:

- *Strengthen the corporate image of your company.*
- *Visually distinguish your equipment by application or division.*

All available in red (RAL 2002), green (RAL 6032*), blue (RAL 5017*) and yellow (RAL 1003*).*

* ***Approximate colors***

Vous pouvez personnaliser la couleur de vos caisses, servantes et mobilier d'atelier en sélectionnant entre les 4 couleurs disponibles, afin de:

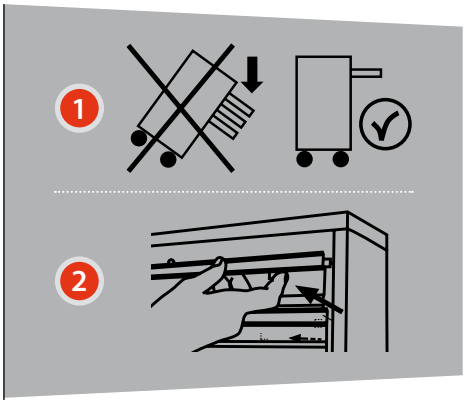
- Distinguer visuellement les équipements par applications ou divisions.
- Améliorer l'image corporative de votre société.

Sont toutes disponibles en rouge (RAL 2002*), vert (RAL 6032*), bleu (RAL 5017*) et jaune (RAL 1003*).

* **Couleurs approximatives**

SISTEMAS ANTIVUELCO
ANTI-OVERTURN SYSTEMS
SYSTÈME ANTI-RENVERSEMENT





EGA Master ha ampliado su gama de sistemas ANTIVUELCO dentro de su extensa variedad de armarios-carros de herramientas y cofres.

1. El Sistema OODO ("Only One Drawer Open") le permite al usuario abrir un solo cajón cada vez. Las referencias que poseen este sistema son la 51025 y 51039.
2. Por otro lado, el resto de referencias llevan incorporado el sistema de seguridad de apertura lateral e individual de cajones ANTIVUELCO.

EGA Master has widened its range of ANTI-OVERTURN systems within its vast variety of roller cabinets and tool chests.

1. *The OODO System ("Only One Drawer Open") allows the user to open only one drawer each time. The references which have this system are 51025 and 51039.*
2. *All other references are equipped with the ANTI-OVERTURN security system with individual and lateral open button in each tray.*

Dans sa grande variété de servantes à roues et coffres, EGA Master a élargi sa gamme de système ANTI-RENVERSEMENT.

1. Le système OODO ("Only One Drawer Open") permet à l'utilisateur d'ouvrir un seul tiroir chaque fois. Les références qui possèdent ce système sont : 51025 et 51039.
2. D'autre part, le reste des références intègrent le système de sécurité d'ouverture latérale et individuelle des tiroirs ANTI-RENVERSEMENT.

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JUEGOS UNIVERSALES / *UNIVERSAL SETS* / SETS UNIVERSELS / *UNIVERSAL SETS* / KIT UNIVERSALE / *JOGOS UNIVERSAIS* / УНИВЕРСАЛЬНЫЕ НАБОРЫ

1382 PCS.

MM / INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
56175	1382	-	mm/inch	-	330
56176		51074			580
56177		51074 (2)		●	940

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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	67202, 67203, 67204, 67205	Palanca cabeza curva / *Pry bar*	-
29	55266, 55267, 55268, 55269, 55270, 55271, 55272, 55273, 55274, 55275, 55276, 55277, 55278, 55279, 55280, 55281, 55282, 55283, 55284, 55285, 55286, 55287, 55288, 55289, 55290, 55291, 55292, 55293, 55294	Blister de puntas de impacto / *Blister of impact bits*	5/16", 5 pcs
31	66944	Set de puntas Phillips®-Pozidriv® / *Kit of bits Phillips®-Pozidriv®*	30 pcs
2	66261, 66262	Adaptador portapuntas / *Magnetic bit holder*	
3	69570, 69572, 69574	Sargentos G / *G Clamps*	-
7	62847, 62848, 62849, 62850, 62851, 62853, 62856	Cinceles mecánicos / *Flat cold chisel*	
103	61322, 61311, 63974, 61312, 63975, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63985, 63986, 63987, 60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430, 63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67640, 67641, 67642, 67643, 67644, 67645, 67646, 67647, 67648, 67649, 67650, 67651, 67652, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670, 67674, 67675, 67676, 67677, 67678, 67679, 67680, 67681, 67682, 67683, 67684, 67689, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027	Llaves de vaso / *Socket wrenches*	
38	66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66744, 66745, 66746, 66747, 66748, 66749, 66750, 66751, 66752, 66753, 66754, 66755, 66756, 55697, 55698, 55699, 55700, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 66743	Puntas atornilladoras con vaso / *Socket bits*	1/4"
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	
	66732	Destornillador portavasos / *Socket holder*	
	62603	Llave de carraca reversible / *Reversible ratchet handle*	
	61438	Mango corredizo / *Sliding -T- handle*	
	61435	Articulación universal / *Universal joint*	
4	61442, 61454, 61443, 61444	Alargadera / *Extension*	-
1	61445	Alargadera flexible / *Flexible handle*	1/4"
	65874	Mango flexible / *Flexible handle*	
56	67541, 67542, 67543, 67544, 67545, 67546, 67547, 67548, 67549, 67550, 67551, 67552, 67553, 67554, 67555, 67556, 67557, 67558, 67559, 67620, 67621, 67622, 67623, 67624, 67625, 67626, 67627, 67725, 67726, 67727, 67728, 67729, 67730, 67731, 67732, 67733, 67734, 67735, 67736, 67737, 67738, 67739, 67740, 67750, 67751, 67752, 67753, 67754, 67755, 67756, 67757, 67758, 67759, 67760, 67761, 67762	Llaves de vaso / *Socket wrenches*	
48	66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770, 66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782, 66783, 66784, 66785, 66786, 66787, 66788, 66789, 66790, 66791, 66792, 66793, 66794, 66795, 66796, 55701, 55702, 55703, 55680, 55681, 55682, 55683, 55684, 55685, 55686, 55687	Puntas atornilladoras con vaso / *Socket bits*	
2	65884, 65881	Adaptador para llaves de vaso / *Adapter for socket wrenches*	
	61460, 61461	Llave de vaso para bujías / *Spark plug socket*	3/8"
22	55710, 55711, 55712, 55713, 55714, 55715, 55716, 55717, 55718, 55719, 55720, 55721, 55724, 55725, 55726, 55727, 55728, 55729, 55730, 55731, 55732, 55733	Llaves fijas Crow Foot / *Open end Crow Foot wrenches*	
20	55736, 55737, 55738, 55739, 55740, 55741, 55742, 55743, 55744, 55745, 55746, 55750, 55751, 55752, 55753, 55754, 55755, 55756, 55757, 55758	Llaves fijas hexagonales Crow Foot / *Hexagonal Crow Foot wrenches*	
1	61429	Llave de carraca reversible / *Reversible ratchet handle*	
	61439	Mango corredizo en T / *Sliding T handle*	
	61436	Articulación universal / *Universal joint*	
2	61447, 61450	Alargadera / *Extension*	
1	61409	Berbiquí / *Speeder handle*	
	65875	Mango articulado / *Hinged handle*	
94	61800, 61801, 61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61812, 61813, 61814, 61815, 61816, 61817, 61818, 61819, 61820, 61821, 61822, 61823, 60460, 60461, 60462, 60463, 60464, 60465, 60466, 60459, 60467, 60468, 60469, 60470, 60471, 60472, 60473, 60474, 60475, 60476, 60477, 60478, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796, 67797, 67798, 67799, 67800, 67805, 67806, 67807, 67808, 67809, 67810, 67811, 67812, 67813, 67814, 67815, 67816, 67817, 67818, 55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810	Llaves de vaso / *Socket wrenches*	
62	66801, 66802, 66803, 66804, 66805, 66806, 66807, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66817, 66818, 66819, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829, 66830, 66831, 66832, 66833, 66834, 66835, 66836, 66837, 66838, 66839, 66840, 66841, 55705, 55706, 55707, 55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696, 66842, 65985, 65986, 65987, 65988, 65989, 65990, 65991, 65992, 65993	Puntas atornilladoras con vaso / *Socket bits*	1/2"
2	65885, 65882	Adaptador para llaves de vaso / *Adapter for socket wrenches*	
	61462, 61463	Llave de vaso para bujías / *Spark plug socket*	
3	61441, 61483, 61484	Mango articulado / *Hinged handle*	
	61453, 61455, 61458	Alargadera / *Extension*	
1	61434	Berbiquí / *Speeder handle*	
	62606	Llave de carraca reversible / *Reversible ratchet handle*	

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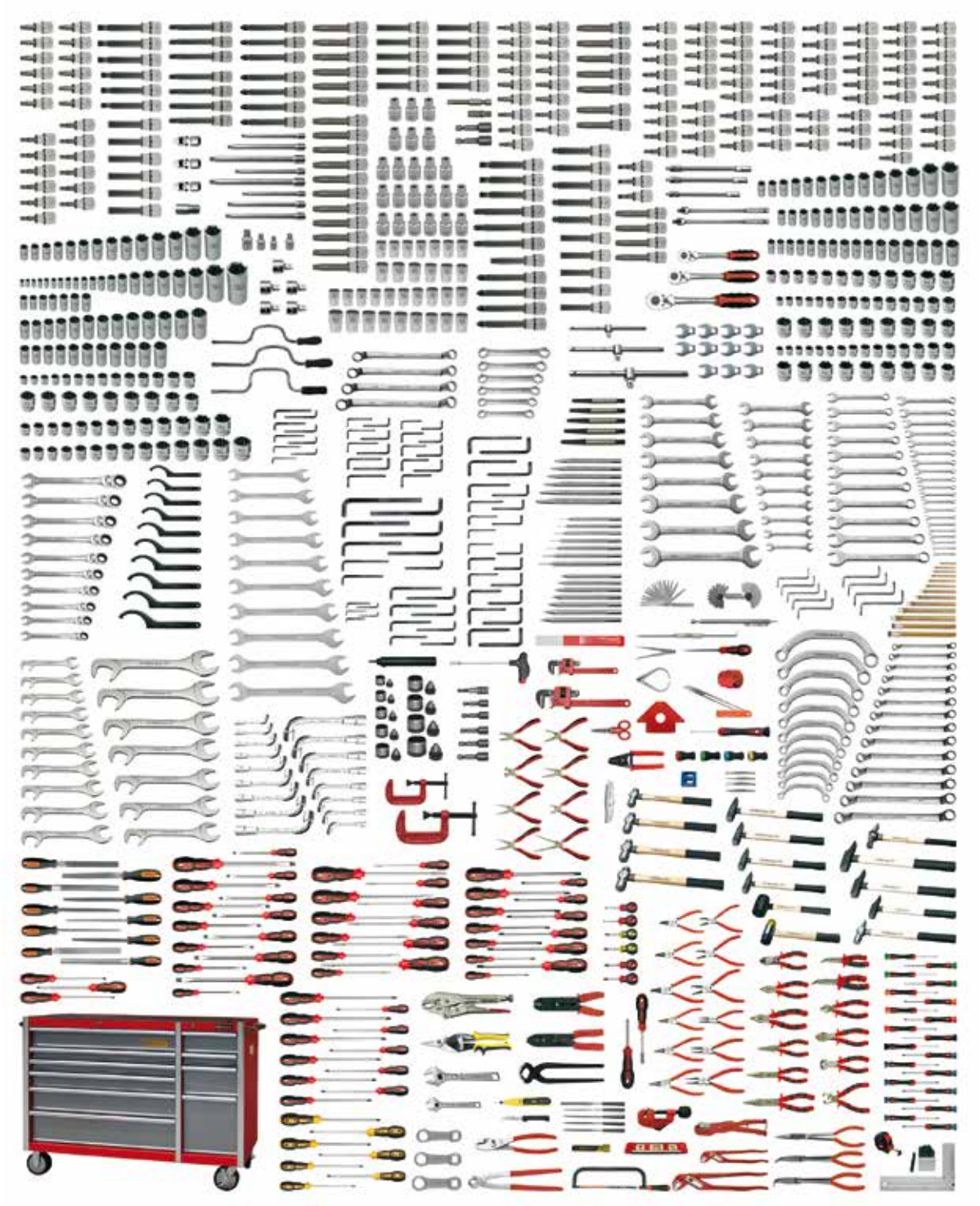
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	61440	Mango corredizo en T / *Sliding T handle*	1/2"
	61437	Articulación universal / *Universal joint*	
63	60658, 60603, 60604, 60605, 60606, 60607, 60608, 60609, 60610, 60611, 60612, 60639, 60613, 60614, 60615, 60616, 60617, 60618, 60619, 65213, 65214, 65215, 65216, 65217, 65218, 65219, 65220, 65221, 65222, 65223, 65224, 65225, 65226, 60660, 60661, 60662, 60663, 60664, 60665, 60666, 60667, 60668, 60669, 60670, 60671, 60672, 60673, 60674, 60675, 60676, 56350, 56351, 56352, 56353, 56354, 56355, 56356, 56357, 56358, 56359, 56360, 56361, 56362	Llaves de vaso de impacto / *Impact socket wrenches*	
18	65936, 65937, 65938, 65939, 65940, 65941, 65942, 65943, 65944, 65945, 65946, 65947, 65948, 65949, 65950, 65951, 65952, 65953	Puntas atornilladoras de impacto con vaso / *Impact socket bit*	
2	60698, 60699	Adaptador (vasos de impacto) / *Adapter (impact socket wrench)*	
1	60705	Articulación universal (vasos de impacto) / *Universal joint (impact socket wrench)*	
	60711	Alargadera (vasos de impacto) / *Extension (impact socket wrench)*	
79	60501, 60502, 60503, 60504, 60505, 60506, 60507, 60508, 60509, 60510, 60511, 60512, 60513, 60514, 60515, 60516, 60517, 60518, 60519, 60520, 60521, 60522, 60523, 60524, 67565, 67566, 67567, 67568, 67569, 67570, 67571, 67572, 67573, 67574, 67575, 67576, 67577, 67578, 67579, 67580, 67581, 67582, 67583, 67584, 67585, 67586, 67587, 67588, 67595, 67596, 67597, 67598, 67599, 67601, 67602, 67603, 67604, 67605, 67607, 67608, 67610, 67612, 60526, 60527, 60528, 60529, 60530, 60531, 60500, 60532, 60533, 60534, 60535, 60536, 60537, 60538, 60539, 60540, 60541	Llaves de vaso / *Socket wrenches*	3/4"
2	65883, 65886	Adaptador para llaves de vaso / *Adapter for socket wrenches*	
1	61859	Llave de carraca reversible / *Reversible ratchet handle*	
2	61473, 61456	Mango articulado / *Hinged handle*	
1	61864	Mango corredizo en T / *Sliding T handle*	
	61860	Articulacion universal / *Universal joint*	
2	61865, 61866	Alargadera / *Extension*	
80	63879, 60620, 60621, 60622, 60623, 60624, 60625, 60626, 60627, 60628, 60629, 60630, 60631, 60632, 60633, 60634, 60635, 60636, 60637, 63880, 60638, 63881, 65227, 65228, 65229, 65230, 65231, 65232, 65233, 65234, 65235, 65236, 65237, 65238, 65239, 68689, 65240, 65241, 65242, 65243, 65244, 68688, 60679, 60680, 60681, 60682, 60683, 60684, 60685, 60686, 60687, 60688, 60689, 60690, 60691, 63895, 63896, 63897, 65245, 65246, 65247, 65248, 65249, 65250, 65251, 65252, 56363, 56364, 56365, 56366, 56367, 56368, 56369, 56370, 56371, 56372, 56373, 56374, 56375, 56376	Llaves de vaso de impacto / *Impact socket wrenches*	
2	60700, 60701	Adaptador (vasos de impacto) / *Adapter (impact socket wrench)*	
1	60706	Articulación universal (vasos de impacto) / *Universal joint (impact socket wrench)*	
	60714	Alargadera (vasos de impacto) / *Extension (impact socket wrench)*	
8	61593	Set de extractores de tornillos / *Set of screw extractors*	8 pcs
2	65555, 65570	Galgas de espesores / *Feeler gauge*	-
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	58641	Linterna táctil / *Tactile flashlight*	
2	63742, 63299	Arcos de sierra / *Hack saws*	
7	69612, 69614, 69617, 69750, 69748, 55327, 69752	Martillos / *Hammers*	
5	61110, 61111, 61112, 61113, 61114	Llave ajustable / *Adjustable wrench*	
4	60795, 60796, 60797, 60798	Llave media luna / *Half moon spanner*	
10	60785, 60786, 60787, 60788, 60789, 60790, 60791, 60792, 60793, 60794	Llave para racores / *Flare nut*	
71	63965, 63966, 67880, 63967, 67881, 61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 60951, 60952, 60953, 60954, 60955, 60956, 67882, 67883, 67953, 67954, 61653, 60340, 60341, 67878, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60357, 60358, 60957, 60958, 60961, 60959, 60962, 60897, 60898, 60899, 60960	Llaves combinadas / *Combination wrenches*	mm/inch
26	67963, 67967, 61601, 61602, 61603, 61604, 61605, 61606, 61607, 61608, 61609, 61610, 61611, 61612, 61613, 60300, 60302, 60303, 60305, 67943, 60308, 60310, 60311, 60312, 60314, 67946	Llaves fijas / *Open-end wrenches*	
32	61774, 61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 67862, 67863, 61790, 60380, 60381, 60382, 60383, 60384, 60385, 60386, 60387, 60388, 60389, 60390, 60391, 60392, 60393, 60394	Llaves acodadas / *Double offset ring wrenches*	
16	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68291, 68292, 68293, 68295, 68296, 68297, 68298, 68299	Llaves de gancho / *Adjustable hook wrenches*	-
11	65089, 65090, 65091, 65092, 65093, 65095, 65096, 65098, 65099, 65100, 65102	Llaves de carraca para racores / *Ratcheting ring wrenches*	
9	61301, 61302, 61303, 61304, 61305, 61306, 61308, 61309, 61310	Llaves vaso doble articulación / *Double ended swivel wrenches*	
20	61495, 61496	Juego de llaves Allen bola / *Set of hexagonal key wrenches ball type*	10 pcs, mm/inch
9	56566	Juego de llaves Tamper Torx / *Set of Tamper Torx keys*	9 pcs
12	63280, 63281, 63282, 63283, 58097, 58098, 58099	Llaves de carraca doble Mastergear / *Mastergear double ratchet wrenches*	mm/inch
20	62710, 62711, 62712, 62713, 62714, 62715, 62716, 62717, 62718, 62719, 62720, 62721, 62722, 62723, 62724, 62725, 62726, 62727, 62728, 62729	Llaves combinadas Stubby Mastergear / *Combination wrenches Stubby Mastergear*	
2	63199, 63205	Cortatubos para plástico / *Plastic pipe cutter*	-
3	61015, 61017, 61018	Llave Heavy Duty / *Heavy Duty pipe wrench*	
2	61405, 61406	Llave Mastergrip / *Mastergrip wrench*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
2	62965, 62968	Llaves dinamométricas / *Torque wrenches*	-
1	66873	Destornillador dinamométrico / *Torque screwdriver*	1/4"
19	66400, 66401, 66403, 66405, 66407, 66448, 66408, 66409, 66449, 66410, 55330, 55331, 55333, 55335, 55337, 55338, 55339, 55340, 55341	Destornilladores mecánicos / *Slotted screwdrivers*	mm/inch
14	76620, 76621, 76622, 76624, 76625, 76626, 76627, 75063, 75064, 75065, 75067, 75068, 75069, 75081	Destornilladores electricidad / *Electrician screwdrivers*	1000V, mm/inch
5	66438, 66437, 66443, 66441, 66442	Destornilladores Phillips® / *Phillips® screwdrivers*	-
	66456, 66472, 66473, 66459, 66460	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	63954, 63955, 63956	Alicates de bocas semi-redondas y extralargos / *Extra-long reach halfround nose pliers*	
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
12	66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Tamper Torx screwdrivers*	
11	66501, 66502, 66503, 66504, 66505, 66506, 66507, 55364, 55365, 55368, 55369	Destornilladores punta esfera / *Ball point screwdrivers*	mm/inch
3	66530, 66531, 66532	Destornilladores Robertson / *Robertson screwdrivers*	-
6	66525, 55371, 67192, 66526, 67193, 66527	Destornilladores carroceros / *Stubby screwdrivers*	
17	62331, 62332, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62540, 62344, 62370, 62345, 62346, 62348, 62349	Alicates / *Pliers*	
20	62214, 62215, 62183, 62216, 62217, 62218, 62219, 62182, 62220, 62221, 62222, 62223, 62181, 62224, 62225, 62226, 62227, 62180, 62228, 62229	Alicates Circlips / *Circlips pliers*	
3	63950, 63951, 63952	Alicates de corte al ras / *Flush cutting pliers*	
1	61035	Llave de cadena reversible / *Reversible chain pipe wrench*	
	63371	Escariador manual / *Manual reamer*	
2	68001, 68003	Abocinador puente / *Flaring tool*	
1	69501	Cortador de metal / *Metalic cutter*	
2	65166, 65364	Flexómetros / *Measuring tapes*	
1	65480	Calibre pie de rey / *Vernier Caliper*	-
	65588	Recogedor articulado telescópico / *Telescopic joint pick up*	
	55836	Llave de impacto neumática / *Pneumatic impact wrench*	
	63915	Cortabridas / *Plastic tie cutter*	
14	63394, 63395, 63396, 63397, 63398, 63399, 63400, 63415, 63416, 63417, 63418, 63419, 63420, 63421,	Botadores / *Punches*	
6	63435, 63436, 63437, 63438, 63439, 63440,	Granetes / *Center punches*	
2	62097, 62174	Tenazas Grip / *Grip pincers*	
	62624, 62625	Alicate trenzador de alambre / *Wire twist plier*	
1	62128	Tenaza canal / *Box joint plier*	
29	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886, 61887, 61888, 61889, 61890, 61891, 61892, 61893, 61894, 61895, 61768, 61772, 61770	Llaves de pipa / *Angled sockets*	
26	61530, 61531, 61532, 61533, 61534, 61535, 61536, 61537, 61538, 61539, 61540, 61541, 61542, 61543, 61544, 61545, 61546, 61547, 61548, 61549, 61550, 61551, 61552, 61553, 61554, 61555	Llave combinada articulada Mastergear / *Flexible combination wrench Mastergear*	mm/inch
3	62090, 62091, 62092	Alicate tipo Ford / *Slip joint plier*	-
	62123, 62124, 62125	Tenaza rusa / *Tower pincer*	
1	66073	Buscapolos / *Voltage tester*	
3	62169, 62170, 62171	Tijeras articuladas / *Aviation tin snips*	
10	64670	Juego de sacabocados / *Hollow punch set*	
1	65158	Nivel torpedo / *Torpedo spirit level*	
18	56200, 56201, 56202, 56203, 56204, 56205, 56206, 56207, 56208, 56209, 56210, 56211, 56212, 56213, 56214, 56215, 56216, 56217,	Llaves fijas extrafinas / *Slim open end wrenches*	mm/inch
27	66846, 66847, 66848, 66849, 55449, 55450, 55451, 55452, 66850, 66851, 66852, 66853, 66854, 66866, 66867, 66868, 66869, 66870, 66871, 66872, 57684, 57685, 66864, 66865, 55458, 55453, 55457	Destornilladores Microtronic / *Screwdrivers Microtronic*	-
5	56230, 56231, 56232, 56233, 56234	Llaves estrella dos bocas extrafina compensada a 15° / *Slim double ring wrenches 15° bent*	
	56235, 56236, 56237, 56238, 56239	Llaves estrella plana de dos bocas extrafinas / *Slim flat double ring wrenches*	
1	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ID 0910098046
to the Management Quality

■ ≈ 1000 PCS.
■ MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51671	1006	-	mm	-	130
51672		57060			320
51673		50954 (3)		●	480

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	62772	Adaptadores cuadrado - hexagono / *Square - hex adapters*	1/4"
	62773		3/8"
	62774		1/2"
3	57315, 57316, 57317	Adaptadores de par / *Torque adapters*	3/8"
1	62775	Adaptadores portapuntas / *Bit holders*	1/4"
	66264	Adaptadores portapuntas magnéticos / *Magnetic bit holders*	
	65603	Agujas de trazar / *Scribers*	-
4	61442, 61443, 61444, 61445	Alargaderas / *Extensions*	1/4"
	61447, 61450, 62118, 62732		3/8"
	61453, 61455, 61458, 62119		1/2"
11	62331, 62333, 62337, 62339, 62340, 62341, 62342, 62343, 62344, 62346, 62349	Alicates / *Pliers*	
15	62180, 62181, 62182, 62183, 62215, 62216, 62219, 62220, 62223, 62224, 62227, 62228, 63954, 63955, 63956	Alicates Circlips / *Circlips pliers*	
2	62493, 62494	Alicates de terminales / *Crimping pliers*	-
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
1	62090	Alicates tipo Ford / *Slip joint pliers*	
	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"
	61437		1/2"
	61408	Berbiquí / *Speeder Handle*	1/4"
	61409		3/8"
	61434		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
1	62876	Buriles planos / *Crosscut chisels*	
	66074	Buscapolos / *Voltage tester*	
13	62847, 62848, 62849, 62850, 62851, 62853, 62854, 62855, 62856, 62857, 63320, 63321, 63472	Cinceles / *Chisels*	-
2	65622, 65627	Compases / *Calipers*	
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
2	63170, 63199	Cortatubos / *Tube cutters*	
1	66732	Destornillador portavasos / *Socket holder*	1/4"
9	57675, 57676, 57677, 57678, 57679, 57680, 57681, 57682, 57683	Destornilladores acodados / *Offset screwdrivers*	
4	66525, 66526, 66527, 66529	Destornilladores carroceros / *Stubby screwdrivers*	
12	66509, 66510, 66511, 66512, 66513, 66514, 66515, 66516, 66517, 66518, 66519, 66520	Destornilladores de vaso / *Socket screwdrivers*	
11	66411, 66412, 66420, 66421, 66422, 66423, 66424, 66425, 66426, 66427, 66428	Destornilladores electricista / *Electrician screwdrivers*	
14	66399, 66400, 66401, 66402, 66403, 66404, 66405, 66406, 66407, 66408, 66409, 66410, 66448, 66449	Destornilladores mecánicos / *Slotted screwdrivers*	
20	57684, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 57685, 66864, 66865, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
2	66249, 66731	Destornilladores portapuntas / *Bitholder screwdrivers*	
8	66456, 66457, 66458, 66459, 66460, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
13	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	63085	Escariadores / *Reamers*	-
2	63701, 63709	Escofinas / *Rasps*	
1	65766	Escuadra magnética para soldadura / *Magnetic welding square*	
2	65768, 65813	Escuadras / *Squares*	
5	61586, 61587, 61588, 61589, 61590	Extractores de tornillos / *Screw extractors*	
1	65171	Flexómetros / *Measuring tapes*	
2	65559, 65571	Galgas / *Gauges*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
1	65852	Juegos de golpe números / *Punches numbers*	
13	63504, 63540, 63576, 63612, 63648, 63672, 63684, 63692, 63714, 63715, 63717, 63718, 63719	Limas / Files / Limes	
1	58641	Linternas / *Flashlights*	
18	61774, 61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 67843, 67844, 67845, 67855	Llaves acodadas / *Double offset ring wrenches*	
2	61109, 61112	Llaves ajustables / *Adjustable wrenches*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
31	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 63965, 63966, 63967, 67880, 67881	Llaves combinadas / *Combination wrenches*	-
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62604		3/8"
	62606		1/2"
10	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68291, 68292	Llaves de gancho / *Hook spanners*	-
17	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886	Llaves de pipa / *Angled sockets*	
68	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 61311, 61312, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321, 61322, 63974, 63975, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63985, 63986, 63987, 67640, 67641, 67642, 67643, 67644, 67645, 67646, 67647, 67648, 67649, 67650, 67651, 67652, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670	Llaves de vaso / *Socket wrenches*	1/4"
77	57171, 57172, 57173, 57174, 57175, 57176, 57177, 57178, 61343, 61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354, 61355, 61356, 61357, 67539, 67540, 67541, 67542, 67543, 67544, 67545, 67546, 67547, 67548, 67549, 67550, 67551, 67552, 67553, 67554, 67555, 67556, 67557, 67558, 67559, 67560, 67561, 67705, 67706, 67707, 67708, 67709, 67710, 67711, 67712, 67713, 67714, 67715, 67716, 67717, 67719, 67720, 67725, 67726, 67727, 67728, 67729, 67730, 67731, 67732, 67733, 67734, 67735, 67736, 67737, 67738, 67739, 67740		3/8"
116	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57179, 57180, 57181, 57182, 57183, 57184, 57185, 57186, 57187, 61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61401, 61402, 61403, 61800, 61801, 61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61812, 61813, 61814, 61815, 61816, 61817, 61818, 61819, 61820, 61821, 61822, 61823, 65044, 65045, 65046, 65047, 65048, 65049, 65050, 65051, 65052, 65053, 65054, 65055, 65056, 65057, 67770, 67771, 67772, 67773, 67774, 67775, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796, 67797, 67798, 67799, 67800		1/2"
6	57718, 57719, 57720, 57721, 57722, 57723	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	-
16	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61712, 61713, 67917, 67963, 67967	Llaves fijas / *Open-end wrenches*	
3	57211, 57212, 57213	Llaves fijas Crowfoot / *Open end Crowfoot wrenches*	1/4"
8	55710, 55711, 55712, 55713, 55714, 55715, 55716, 55717		3/8"
10	56200, 56201, 56202, 56203, 56204, 56205, 56206, 56207, 56208, 56209	Llaves fijas extrafinas / *Slim open end wrenches*	-
17	58520, 58521, 58522, 58523, 58524, 58525, 58526, 58527, 58528, 58529, 58530, 58531, 58532, 58533, 58534, 58535, 58536	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
31	61525, 61526, 61621, 61622, 61623, 61624, 65306, 65307, 65308, 65309, 65310, 65311, 65312, 65313, 65330, 65331, 65332, 65519, 65958, 65959, 65960, 67300, 67301, 67302, 67303, 67304, 67305, 67493, 67494, 67495, 67496	Llaves hexagonales / *Hexagonal key wrenches*	
10	61530, 61531, 61532, 61533, 61534, 61535, 61536, 61537, 61538, 61539	Llaves mastergear articuladas / *Mastergear joint wrenches*	
11	57155, 57156, 57157, 57158, 57159, 57160, 57161, 57162, 57163, 60795, 60798	Llaves media luna / *Half moon spanners*	
2	61001, 61004	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
19	65333, 65334, 65335, 65336, 65337, 65338, 65339, 65340, 65341, 65342, 65343, 65344, 65346, 65347, 65348, 65349, 65350, 67801, 67802	Llaves Torx® / *Torx® keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
	61439		3/8"
	61440		1/2"
	65874	Mango articulado / *Swivel handle*	1/4"
	65875		3/8"
15	55326, 69521, 69601, 69603, 69612, 69613, 69614, 69617, 69618, 69620, 69622, 69675, 69681, 69701, 69712	Martillos / *Hammers*	
1	69525	Navajas / *Penknifes*	-
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
4	69530, 69531, 69532, 69533	Pinzas / *Tweezers*	
	66049, 66052, 66053, 66054	Portatornillos magnéticos / *Magnetic screwholders*	
1	55265	Punta portavasos / *Socket holder bit*	1/4"
	58162	Puntas atornilladoras / *Bits*	
61	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53013, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53034, 53035, 53036, 53037, 53038, 53039, 53041, 53042, 53043, 53044, 53045, 53046, 53047, 53048, 53049, 53050, 55697, 55698, 55699, 55700, 58900, 66729, 66730, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 67164	Puntas atornilladoras con vaso / *Socket bits*	

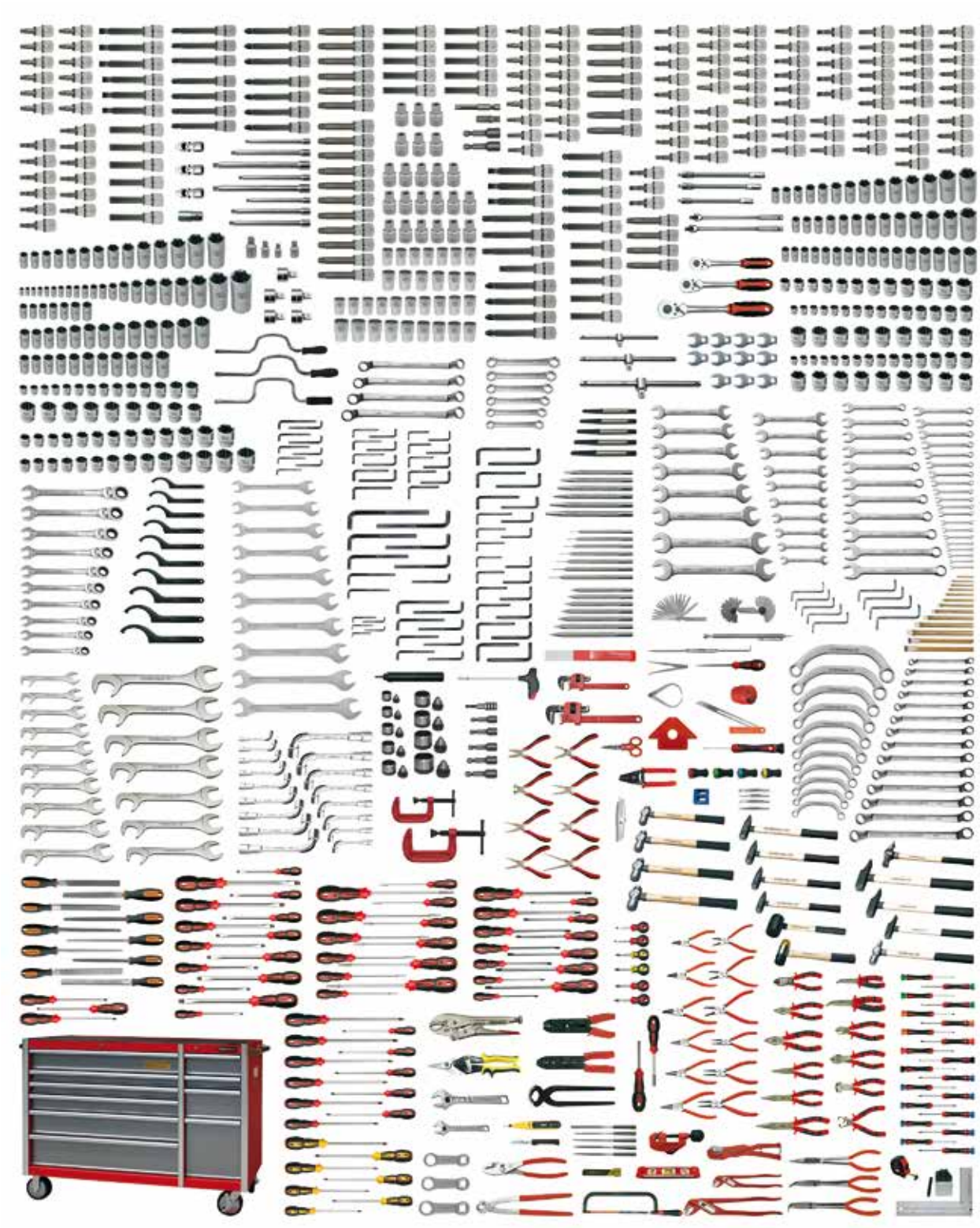
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Management System
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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
63	53063, 53065, 53066, 53067, 53068, 53069, 53070, 53071, 53072, 53074, 53075, 53076, 53078, 53079, 53080, 53082, 53083, 53084, 53086, 53087, 53088, 53089, 53098, 53099, 53100, 53101, 53102, 53103, 55701, 55702, 55703, 58892, 58893, 58896, 58897, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770, 66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782, 66783, 66784, 66785, 66786, 66787	Puntas atornilladoras con vaso / *Socket bits*	3/8"
78	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55704, 55705, 55706, 55707, 55708, 56895, 56896, 56897, 66801, 66802, 66803, 66804, 66805, 66806, 66807, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66817, 66818, 66819, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829, 66842, 67213, 67214		1/2"
7	57575, 57576, 66269, 66270, 66271, 66279, 66280	Puntas Stecker / *Magnetic Stecker*	1/4"
1	65783	Punzón / *Awl*	
	65601	Recogedor telescópico / *Telescopic joint pick up*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	
2	69570, 69572	Sargentos / *Clamps*	-
6	62123, 62146, 62177, 62284, 62793, 62795	Tenazas / *Pincers*	
1	62170	Tijeras / *Tin snips*	
	69534	Tijeras electricista / *Electrician's scissors*	
	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51713	1003	-	inch	-	120
51714		57060			310
51715		50954 (3)		●	470

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
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ID 0910098048
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	62773	Adaptadores cuadrado - hexagono / *Square - hex adapters*	3/8"
	62774		1/2"
	62775	Adaptadores portapuntas / *Bit holders*	1/4"
4	66261, 66262, 66263, 66264	Adaptadores portapuntas magnéticos / *Magnetic bit holders*	
1	65603	Agujas de trazar / *Scribers*	-
3	61442, 61444, 61445	Alargaderas / *Extensions*	1/4"
5	61447, 61450, 61459, 62118, 62732		3/8"
4	61453, 61455, 61458, 62119		1/2"
12	62331, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62345, 62348, 62349	Alicates / *Pliers*	
16	62180, 62181, 62182, 62183, 62214, 62215, 62216, 62218, 62219, 62220, 62222, 62223, 62224, 62226, 62227, 62228	Alicates Circlips / *Circlips pliers*	
2	62493, 62494	Alicates de terminales / *Crimping pliers*	-
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
1	62090	Alicates tipo Ford / *Slip joint pliers*	
	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"
	61437		1/2"
	61408	Berbiquí / *Speeder Handle*	1/4"
	61409		3/8"
	61434		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
6	62871, 62872, 62873, 62874, 62875, 62876	Buriles planos / *Crosscut chisels*	
1	66074	Buscapolos / *Voltage tester*	
18	62847, 62848, 62849, 62850, 62851, 62853, 62854, 62855, 62856, 62857, 63309, 63310, 63311, 63315, 63316, 63320, 63321, 63472	Cinceles / *Chisels*	-
2	65622, 65627	Compases / *Calipers*	
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
3	63097, 63170, 63199	Cortatubos / *Tube cutters*	
1	66732	Destornillador portavasos / *Socket holder*	1/4"
4	57675, 57676, 57677, 57678	Destornilladores acodados / *Offset screwdrivers*	
3	55371, 66526, 66527	Destornilladores carroceros / *Stubby screwdrivers*	
15	55372, 55373, 55374, 55375, 55376, 55378, 55379, 55380, 55382, 55383, 55385, 55397, 55399, 55401, 66518	Destornilladores de vaso / *Socket screwdrivers*	
8	55352, 55354, 55355, 55357, 55358, 55359, 55360, 55361	Destornilladores electricista / *Electrician screwdrivers*	
11	55328, 55329, 55330, 55331, 55332, 55333, 55334, 55335, 55337, 55338, 55341	Destornilladores mecánicos / *Slotted screwdrivers*	
18	55449, 55450, 55451, 55452, 55453, 55457, 66850, 66851, 66852, 66853, 66854, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
3	66249, 66731, 66844	Destornilladores portapuntas / *Bitholder screwdrivers*	
8	66456, 66457, 66458, 66459, 66460, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
13	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	63085	Escariadores / *Reamers*	
2	63701, 63709	Escofinas / *Rasps*	-
1	65766	Escuadra magnética para soldadura / *Magnetic welding square*	
2	65768, 65813	Escuadras / *Squares*	
8	61583, 61584, 61585, 61586, 61587, 61588, 61589, 61590	Extractores de tornillos / *Screw extractors*	
1	65361	Flexómetros / *Measuring tapes*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
1	65852	Juegos de golpe números / *Punches numbers*	
17	63492, 63504, 63528, 63540, 63564, 63576, 63600, 63612, 63636, 63648, 63672, 63684, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
13	60380, 60381, 60382, 60384, 60385, 60388, 60390, 60391, 67886, 67887, 67888, 67893, 67894	Llaves acodadas / *Double offset ring wrenches*	
2	61110, 61113	Llaves ajustables / *Adjustable wrenches*	
31	58460, 58461, 58462, 58463, 58464, 58465, 58466, 58467, 60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60358, 60957, 67878, 67885, 67953, 67954	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62604	Llaves de carraca reversible / *Reversible ratchet handles*	3/8"
	62606		1/2"
10	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68291, 68292	Llaves de gancho / *Hook spanners*	-
62	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430, 63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67674, 67675, 67676, 67677, 67678, 67679, 67680, 67681, 67682, 67683, 67684, 67689, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
41	57173, 57174, 57175, 57176, 57177, 60439, 60440, 60441, 60442, 60443, 60444, 60445, 60446, 60447, 60448, 60449, 60450, 60451, 60452, 60453, 67620, 67621, 67622, 67623, 67624, 67625, 67626, 67627, 67750, 67751, 67752, 67753, 67754, 67755, 67756, 67757, 67758, 67759, 67760, 67761, 67762		3/8"
85	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57185, 57186, 57187, 60459, 60460, 60461, 60462, 60463, 60464, 60465, 60466, 60467, 60468, 60469, 60470, 60471, 60472, 60473, 60474, 60475, 60476, 60477, 60478, 60479, 60480, 60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60489, 60490, 60491, 60492, 60493, 60494, 60495, 60496, 60497, 60498, 65064, 65065, 65066, 65067, 65068, 65069, 65070, 65071, 65072, 65073, 67805, 67806, 67807, 67808, 67809, 67810, 67811, 67812, 67813, 67814, 67815, 67816, 67818		1/2"
6	56230, 56231, 56232, 56233, 56234, 58911	Llaves estrella dos bocas extrafina compensadas a 15° / *Slim double ring wrenches 15° bent*	
5	56235, 56236, 56237, 56238, 56239	Llaves estrella plana de dos bocas extrafinas / *Slim flat double ring wrenches*	
	57775, 57776, 57777, 57778, 57779	Llaves estrella planas / *Double ended flat ring spanners*	-
6	57718, 57719, 57720, 57721, 57722, 57723	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	
25	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314, 60315, 67931, 67934, 67939, 67940, 67941, 67942, 67943, 67944, 67945	Llaves fijas / *Open-end wrenches*	
5	57218, 57219, 57220, 57221, 57222	Llaves fijas Crowfoot / *Open end Crowfoot wrenches*	1/4"
11	55724, 55725, 55726, 55727, 55728, 55729, 55730, 55731, 55732, 55733, 55734		3/8"
8	56210, 56211, 56212, 56213, 56214, 56215, 56216, 56217	Llaves fijas extrafinas / *Slim open end wrenches*	
13	58537, 58538, 58539, 58540, 58541, 58542, 58543, 58544, 58545, 58546, 58547, 58548, 58549	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
31	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329, 67653, 67671, 67672, 68900, 68901, 68902, 68903, 68904, 68905, 68906, 68907, 68908, 68909, 68910, 68911, 68912	Llaves hexagonales / *Hexagonal key wrenches*	
13	68914, 68915, 68916, 68917, 68918, 68919, 68920, 68921, 68922, 68923, 68924, 68925, 68926	Llaves hexagonales bola / *Hexagonal key wrenches ball type*	
6	57148, 57149, 57150, 57151, 57152, 57153	Llaves media luna / *Half moon spanners*	-
8	58752, 58753, 58754, 58755, 58756, 58757, 58758, 58759	Llaves para racores / *Flare nut spanners*	
6	65975, 65976, 65977, 65978, 65979, 65980	Llaves Ribe® / *Ribe® wrenches*	
2	61001, 61004	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
	61439		3/8"
	61440		1/2"
	65874	Mango articulado / *Swivel handle*	1/4"
	65875		3/8"
14	55326, 69521, 69601, 69603, 69605, 69612, 69614, 69617, 69618, 69620, 69675, 69681, 69701, 69712	Martillos / *Hammers*	
5	68043, 68048, 68050, 68051, 68056	Muelles curvatubos / *Spring tube benders*	
1	69525	Navajas / *Penknifes*	-
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
4	69530, 69531, 69532, 69533	Pinzas / *Tweezers*	
1	55265	Punta portavasos / *Socket holder bit*	1/4"
	61695	Puntas adaptadoras para vasos / *Adapter bits for sockets*	
	61696		3/8"
	61697		1/2"
73	58157, 58158, 58160, 58161, 58164, 58180, 58181, 58182, 58183, 58184, 58185, 58186, 58187, 58188, 58227, 58228, 58229, 58230, 58231, 58232, 58233, 58234, 58235, 58236, 58237, 58238, 58239, 58240, 58241, 58242, 58243, 58244, 58245, 58246, 58247, 58248, 58249, 58250, 58251, 58252, 58253, 58254, 58255, 58256, 58257, 58258, 58259, 58260, 58261, 58262, 58263, 58264, 58265, 58266, 58267, 58268, 58269, 58273, 58274, 58275, 58276, 58277, 58278, 58279, 58280, 58281, 58282, 58288, 58289, 58290, 58291, 58292, 58293	Puntas atornilladoras / *Bits*	1/4"
64	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53027, 53028, 53029, 53030, 53031, 53032, 53034, 53035, 53036, 53037, 53038, 53039, 53051, 53052, 53053, 53054, 53055, 53056, 53057, 53058, 53059, 53060, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742	Puntas atornilladoras con vaso / *Socket bits*	

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Code / Código 8552B
Management System
ISO 9001:2015
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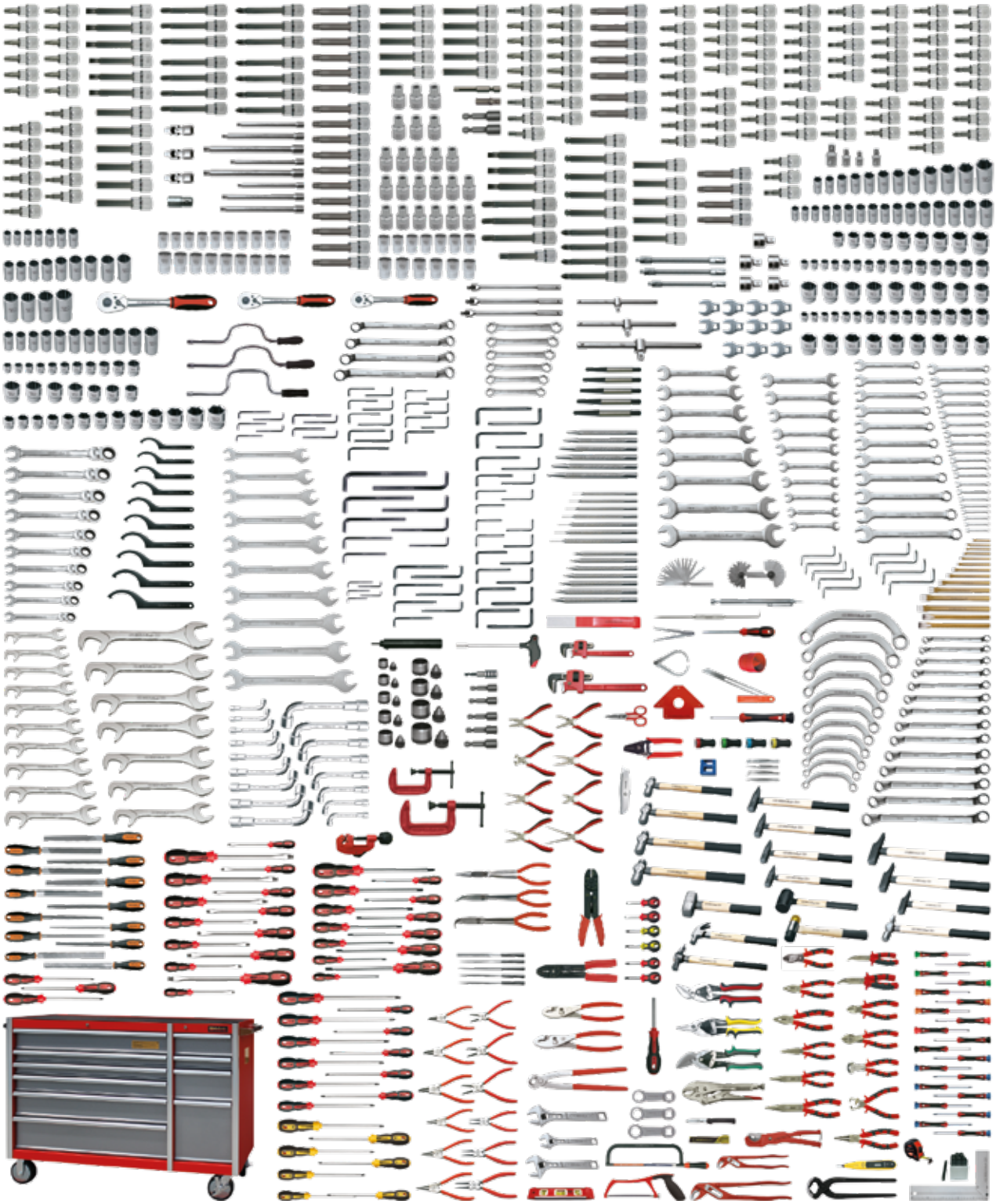
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
65	53065, 53066, 53067, 53068, 53069, 53070, 53071, 53072, 53074, 53075, 53076, 53078, 53079, 53080, 53082, 53083, 53084, 53086, 53087, 53088, 53089, 53098, 53099, 53100, 53101, 53102, 53103, 55680, 55681, 55682, 55683, 55684, 55685, 55686, 55687, 56975, 56976, 56977, 56978, 56979, 56980, 56981, 56982, 56985, 56986, 56987, 56988, 56989, 56990, 56991, 56992, 56993, 58896, 58897, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770	Puntas atornilladoras con vaso / *Socket bits*	3/8"
72	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696, 56896, 56897, 65985, 65986, 65987, 65988, 65989, 65990, 65991, 65992, 66801, 66802, 66803, 66804, 66805, 66806, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829		1/2"
1	65783	Punzón / *Awl*	-
	65601	Recogedor telescópico / *Telescopic joint pick up*	
	65831	Reglas / *Rulers*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	
2	69570, 69572	Sargentos / *Clamps*	
6	62123, 62145, 62177, 62284, 62793, 62795	Tenazas / *Pincers*	
1	62170	Tijeras / *Tin snips*	
	69534	Tijeras electricista / *Electrician's scissors*	
	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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■ ≈ 900 PCS.

■ MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51716	895	-	mm	-	120
51717		57060			310
51718		50954 (3)		●	380

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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	62772	Adaptadores cuadrado - hexagono / *Square - hex adapters*	1/4"
	62773		3/8"
	62774		1/2"
3	57315, 57316, 57317	Adaptadores de par / *Torque adapters*	3/8"
1	62775	Adaptadores portapuntas / *Bit holders*	1/4"
	66264	Adaptadores portapuntas magnéticos / *Magnetic bit holders*	
	65603	Agujas de trazar / *Scribers*	-
4	61442, 61443, 61444, 61445	Alargaderas / *Extensions*	1/4"
	61447, 61450, 62118, 62732		3/8"
	61453, 61455, 61458, 62119		1/2"
12	62331, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62344, 62346, 62349	Alicates / *Pliers*	
15	62180, 62181, 62182, 62183, 62215, 62216, 62219, 62220, 62223, 62224, 62227, 62228, 63954, 63955, 63956	Alicates Circlips / *Circlips pliers*	
2	62493, 62494	Alicates de terminales / *Crimping pliers*	-
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
2	62090, 62092	Alicates tipo Ford / *Slip joint pliers*	
	63299, 63745	Arcos de sierra / *Hack saws*	
1	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"
	61437		1/2"
	61408	Berbiquí / *Speeder Handle*	1/4"
	61409		3/8"
	61434		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
1	62876	Buriles planos / *Crosscut chisels*	
	66074	Buscapolos / *Voltage tester*	
14	62847, 62848, 62849, 62850, 62851, 62853, 62854, 62855, 62856, 62857, 62858, 63320, 63321, 63472	Cinceles / *Chisels*	-
2	65622, 65627	Compases / *Calipers*	
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
2	63170, 63199	Cortatubos / *Tube cutters*	
1	66732	Destornillador portavasos / *Socket holder*	1/4"
9	57675, 57676, 57677, 57678, 57679, 57680, 57681, 57682, 57683	Destornilladores acodados / *Offset screwdrivers*	
4	66525, 66526, 66527, 66529	Destornilladores carroceros / *Stubby screwdrivers*	
11	66411, 66412, 66420, 66421, 66422, 66423, 66424, 66425, 66426, 66427, 66428	Destornilladores electricista / *Electrician screwdrivers*	
14	66399, 66400, 66401, 66402, 66403, 66404, 66405, 66406, 66407, 66408, 66409, 66410, 66448, 66449	Destornilladores mecánicos / *Slotted screwdrivers*	-
20	57684, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 57685, 66864, 66865, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	66249	Destornilladores portapuntas / *Bitholder screwdrivers*	1/4"
8	66456, 66457, 66458, 66459, 66460, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
13	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	63085	Escariadores / *Reamers*	
2	63701, 63709	Escofinas / *Rasps*	
1	65766	Escuadra magnética para soldadura / *Magnetic welding square*	
2	65768, 65813	Escuadras / *Squares*	
5	61586, 61587, 61588, 61589, 61590	Extractores de tornillos / *Screw extractors*	
1	65171	Flexómetros / *Measuring tapes*	-
2	65559, 65571	Galgas / *Gauges*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
1	65852	Juegos de golpe números / *Punches numbers*	
13	63504, 63540, 63576, 63612, 63648, 63672, 63684, 63692, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
18	61774, 61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 67843, 67844, 67845, 67855	Llaves acodadas / *Double offset ring wrenches*	
3	61109, 61112, 61213	Llaves ajustables / *Adjustable wrenches*	

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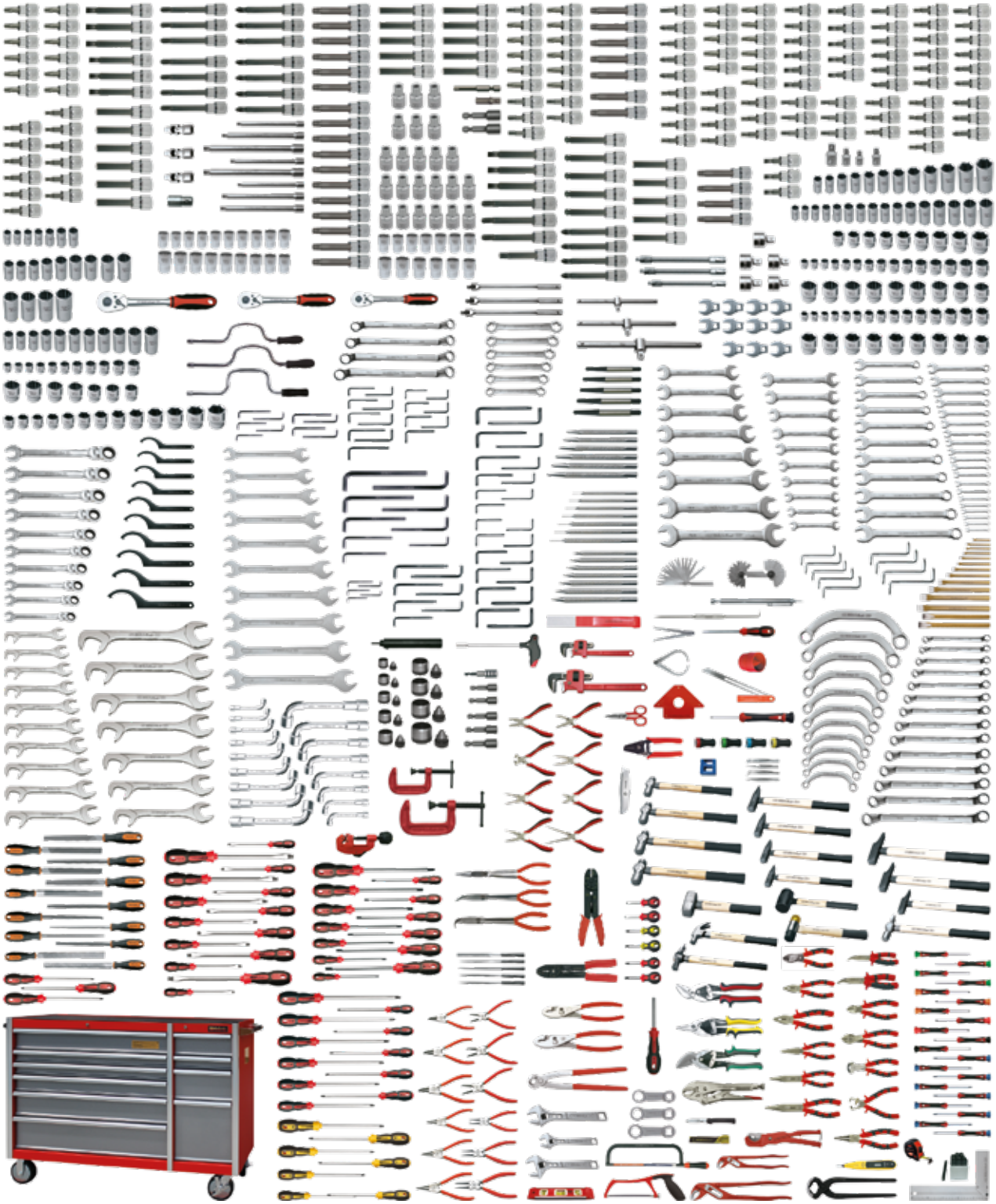
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
31	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 63965, 63966, 63967, 67880, 67881	Llaves combinadas / *Combination wrenches*	-
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62604		3/8"
	62606		1/2"
10	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68291, 68292	Llaves de gancho / *Hook spanners*	-
17	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886	Llaves de pipa / *Angled sockets*	
41	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63985, 63986, 63987, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670	Llaves de vaso / *Socket wrenches*	1/4"
43	57171, 57172, 57173, 57174, 57175, 57176, 57177, 57178, 61343, 61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354, 61355, 61356, 61357, 67539, 67540, 67560, 67561, 67725, 67726, 67727, 67728, 67729, 67730, 67731, 67732, 67733, 67734, 67735, 67736, 67737, 67738, 67739, 67740		3/8"
72	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57179, 57180, 57181, 57182, 57183, 57184, 57185, 57186, 57187, 61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61401, 61402, 61403, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796, 67797, 67798, 67799, 67800		1/2"
6	57718, 57719, 57720, 57721, 57722, 57723	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	-
16	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61712, 61713, 67917, 67963, 67967	Llaves fijas / *Open-end wrenches*	
3	57211, 57212, 57213	Llaves fijas Crowfoot / *Open end Crowfoot wrenches*	1/4"
8	55710, 55711, 55712, 55713, 55714, 55715, 55716, 55717		3/8"
10	56200, 56201, 56202, 56203, 56204, 56205, 56206, 56207, 56208, 56209	Llaves fijas extrafinas / *Slim open end wrenches*	-
17	58520, 58521, 58522, 58523, 58524, 58525, 58526, 58527, 58528, 58529, 58530, 58531, 58532, 58533, 58534, 58535, 58536	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
30	61525, 61526, 61621, 61622, 61623, 61624, 65306, 65307, 65308, 65309, 65310, 65311, 65312, 65313, 65330, 65331, 65332, 65519, 65958, 65959, 65960, 67300, 67301, 67302, 67303, 67304, 67305, 67493, 67494, 67495	Llaves hexagonales / *Hexagonal key wrenches*	
10	61530, 61531, 61532, 61533, 61534, 61535, 61536, 61537, 61538, 61539	Llaves mastergear articuladas / *Mastergear joint wrenches*	
11	57155, 57156, 57157, 57158, 57159, 57160, 57161, 57162, 57163, 60795, 60798	Llaves media luna / *Half moon spanners*	
2	61001, 61004	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
17	65333, 65334, 65335, 65336, 65337, 65338, 65339, 65340, 65341, 65342, 65343, 65344, 65346, 65347, 65348, 65349, 65350	Llaves Torx® / *Torx® keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65874	Mango articulado / *Swivel handle*	1/4"
	65875		3/8"
	61441		1/2"
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
	61439		3/8"
	61440		1/2"
17	55326, 69521, 69601, 69603, 69605, 69610, 69612, 69613, 69614, 69617, 69618, 69620, 69622, 69675, 69681, 69701, 69712	Martillos / Hammers / Marteaux	-
1	69525	Navajas / *Penknifes*	
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
4	69530, 69531, 69532, 69533	Pinzas / *Tweezers*	
	66049, 66052, 66053, 66054	Portatornillos magnéticos / *Magnetic screwholders*	
1	55265	Punta portavasos / *Socket holder bit*	
	58162	Puntas atornilladoras / *Bits*	
61	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53013, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53034, 53035, 53036, 53037, 53038, 53039, 53041, 53042, 53043, 53044, 53045, 53046, 53047, 53048, 53049, 53050, 55697, 55698, 55699, 55700, 58900, 66729, 66730, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 67164	Puntas atornilladoras con vaso / *Socket bits*	1/4"
63	53063, 53065, 53066, 53067, 53068, 53069, 53070, 53071, 53072, 53074, 53075, 53076, 53078, 53079, 53080, 53082, 53083, 53084, 53086, 53087, 53088, 53089, 53098, 53099, 53100, 53101, 53102, 53103, 55701, 55702, 55703, 58892, 58893, 58896, 58897, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770, 66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782, 66783, 66784, 66785, 66786, 66787		3/8"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
78	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55704, 55705, 55706, 55707, 55708, 56895, 56896, 56897, 66801, 66802, 66803, 66804, 66805, 66806, 66807, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66817, 66818, 66819, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829, 66842, 67213, 67214	Puntas atornilladoras con vaso / *Socket bits*	1/2"
7	57575, 57576, 66269, 66270, 66271, 66279, 66280	Puntas Stecker / *Magnetic Stecker*	1/4"
1	65783	Punzón / *Awl*	
	65601	Recogedor telescópico / *Telescopic joint pick up*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	
2	69570, 69572	Sargentos / *Clamps*	-
6	62123, 62146, 62177, 62284, 62793, 62795	Tenazas / *Pincers*	
3	62169, 62170, 62171	Tijeras / *Tin snips*	
1	69534	Tijeras electricista / *Electrician's scissors*	
	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51680	894	-	inch	-	120
51681		57060			310
51682		50954 (3)		●	380

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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	62773	Adaptadores cuadrado - hexagono / *Square - hex adapters*	3/8"
	62774		1/2"
	62775	Adaptadores portapuntas / *Bit holders*	1/4"
4	66261, 66262, 66263, 66264	Adaptadores portapuntas magnéticos / *Magnetic bit holders*	
1	65603	Agujas de trazar / *Scribers*	-
3	61442, 61444, 61445	Alargaderas / *Extensions*	1/4"
5	61447, 61450, 61459, 62118, 62732		3/8"
4	61453, 61455, 61458, 62119		1/2"
13	62331, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62345, 62348, 62349, 62370	Alicates / *Pliers*	
16	62180, 62181, 62182, 62183, 62214, 62215, 62216, 62218, 62219, 62220, 62222, 62223, 62224, 62226, 62227, 62228	Alicates Circlips / *Circlips pliers*	
2	62493, 62494	Alicates de terminales / *Crimping pliers*	-
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
2	62090, 62092	Alicates tipo Ford / *Slip joint pliers*	
1	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"
	61437		1/2"
	61408	Berbiquí / *Speeder Handle*	1/4"
	61409		3/8"
	61434		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
6	62871, 62872, 62873, 62874, 62875, 62876	Buriles planos / *Crosscut chisels*	
1	66074	Buscapolos / *Voltage tester*	
19	62847, 62848, 62849, 62850, 62851, 62853, 62854, 62855, 62856, 62857, 62858, 63309, 63310, 63311, 63315, 63316, 63320, 63321, 63472	Cinceles / *Chisels*	-
2	65622, 65627	Compases / *Calipers*	
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
3	63097, 63170, 63199	Cortatubos / *Tube cutters*	
1	66732	Destornillador portavasos / *Socket holder*	1/4"
4	57675, 57676, 57677, 57678	Destornilladores acodados / *Offset screwdrivers*	
3	55371, 66526, 66527	Destornilladores carroceros / *Stubby screwdrivers*	
15	55372, 55373, 55374, 55375, 55376, 55378, 55379, 55380, 55382, 55383, 55385, 55397, 55399, 55401, 66518	Destornilladores de vaso / *Socket screwdrivers*	
8	55352, 55354, 55355, 55357, 55358, 55359, 55360, 55361	Destornilladores electricista / *Electrician screwdrivers*	
11	55328, 55329, 55330, 55331, 55332, 55333, 55334, 55335, 55337, 55338, 55341	Destornilladores mecánicos / *Slotted screwdrivers*	
18	55449, 55450, 55451, 55452, 55453, 55457, 66850, 66851, 66852, 66853, 66854, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
4	66249, 66731, 66843, 66844	Destornilladores portapuntas / *Bitholder screwdrivers*	
8	66456, 66457, 66458, 66459, 66460, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
13	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	63085	Escariadores / *Reamers*	
2	63701, 63709	Escofinas / *Rasps*	-
1	65766	Escuadra magnética para soldadura / *Magnetic welding square*	
2	65768, 65813	Escuadras / *Squares*	
8	61583, 61584, 61585, 61586, 61587, 61588, 61589, 61590	Extractores de tornillos / *Screw extractors*	
1	65361	Flexómetros / *Measuring tapes*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
1	65852	Juegos de golpe números / *Punches numbers*	
17	63492, 63504, 63528, 63540, 63564, 63576, 63600, 63612, 63636, 63648, 63672, 63684, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
13	60380, 60381, 60382, 60384, 60385, 60388, 60390, 60391, 67886, 67887, 67888, 67893, 67894	Llaves acodadas / *Double offset ring wrenches*	
3	61110, 61113, 61213	Llaves ajustables / *Adjustable wrenches*	
31	58460, 58461, 58462, 58463, 58464, 58465, 58466, 58467, 60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60358, 60957, 67878, 67885, 67953, 67954	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"

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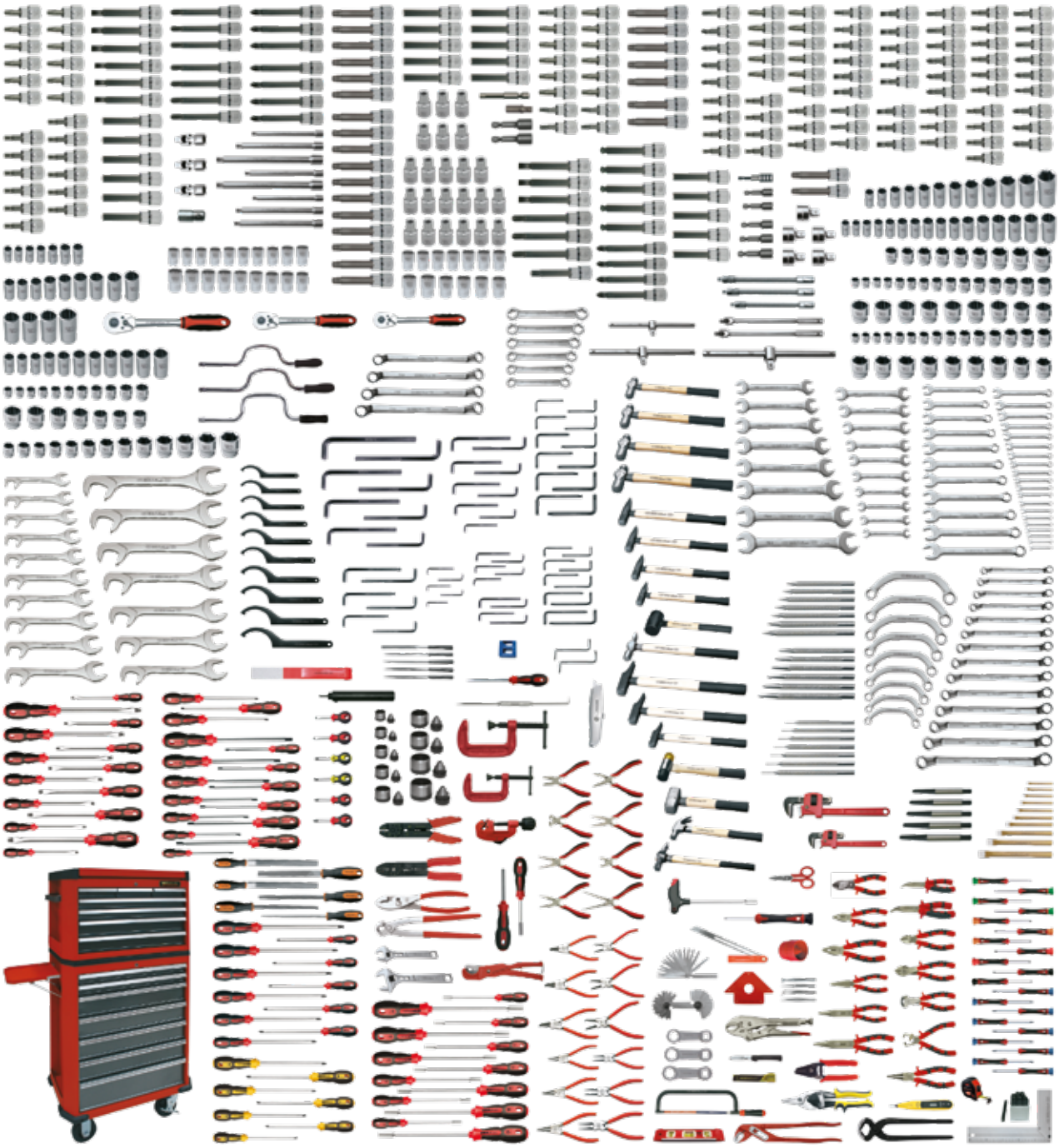
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62604	Llaves de carraca reversible / *Reversible ratchet handles*	3/8"
	62606		1/2"
10	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68291, 68292	Llaves de gancho / *Hook spanners*	-
40	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67689, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
33	57173, 57174, 57175, 57176, 57177, 60439, 60440, 60441, 60442, 60443, 60444, 60445, 60446, 60447, 60448, 60449, 60450, 60451, 60452, 60453, 67750, 67751, 67752, 67753, 67754, 67755, 67756, 67757, 67758, 67759, 67760, 67761, 67762		3/8"
55	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57185, 57186, 57187, 60479, 60480, 60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60489, 60490, 60491, 60492, 60493, 60494, 60495, 60496, 60497, 60498, 67805, 67806, 67807, 67808, 67809, 67810, 67811, 67812, 67813, 67814, 67815, 67816, 67818		1/2"
6	56230, 56231, 56232, 56233, 56234, 58911	Llaves estrella dos bocas extrafina compensadas a 15° / *Slim double ring wrenches 15° bent*	-
5	56235, 56236, 56237, 56238, 56239	Llaves estrella plana de dos bocas extrafinas / *Slim flat double ring wrenches*	
	57775, 57776, 57777, 57778, 57779	Llaves estrella planas / *Double ended flat ring spanners*	
6	57718, 57719, 57720, 57721, 57722, 57723	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	
25	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314, 60315, 67931, 67934, 67939, 67940, 67941, 67942, 67943, 67944, 67945	Llaves fijas / *Open-end wrenches*	
5	57218, 57219, 57220, 57221, 57222	Llaves fijas Crowfoot / *Open end Crowfoot wrenches*	1/4"
11	55724, 55725, 55726, 55727, 55728, 55729, 55730, 55731, 55732, 55733, 55734		3/8"
8	56210, 56211, 56212, 56213, 56214, 56215, 56216, 56217	Llaves fijas extrafinas / *Slim open end wrenches*	-
11	55750, 55751, 55752, 55753, 55754, 55755, 55756, 55757, 55758, 55759, 55760	Llaves fijas hexagonales Crow Foot / *Hexagonal Crow Foot wrenches*	3/8"
13	58537, 58538, 58539, 58540, 58541, 58542, 58543, 58544, 58545, 58546, 58547, 58548, 58549	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	-
32	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329, 67614, 67653, 67671, 67672, 68900, 68901, 68902, 68903, 68904, 68905, 68906, 68907, 68908, 68909, 68910, 68911, 68912	Llaves hexagonales / *Hexagonal key wrenches*	
13	68914, 68915, 68916, 68917, 68918, 68919, 68920, 68921, 68922, 68923, 68924, 68925, 68926	Llaves hexagonales bola / *Hexagonal key wrenches ball type*	
6	57148, 57149, 57150, 57151, 57152, 57153	Llaves media luna / *Half moon spanners*	
9	58752, 58753, 58754, 58755, 58756, 58757, 58758, 58759, 58760	Llaves para racores / *Flare nut spanners*	
6	65975, 65976, 65977, 65978, 65979, 65980	Llaves Ribe® / *Ribe® wrenches*	
2	61001, 61004	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65874	Mango articulado / *Swivel handle*	1/4"
	65875		3/8"
	61441		1/2"
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
	61439		3/8"
	61440		1/2"
15	55326, 69521, 69601, 69603, 69605, 69610, 69612, 69614, 69617, 69618, 69620, 69675, 69681, 69701, 69712	Martillos / *Hammers*	-
5	68043, 68048, 68050, 68051, 68056	Muelles curvatubos / *Spring tube benders*	
1	69525	Navajas / *Penknifes*	
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
4	69530, 69531, 69532, 69533	Pinzas / *Tweezers*	
1	55265	Punta portavasos / *Socket holder bit*	1/4"
	61695	Puntas adaptadoras para vasos / *Adapter bits for sockets*	
	61696		3/8"
	61697		1/2"
64	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53027, 53028, 53029, 53030, 53031, 53032, 53034, 53035, 53036, 53037, 53038, 53039, 53051, 53052, 53053, 53054, 53055, 53056, 53057, 53058, 53059, 53060, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742	Puntas atornilladoras con vaso / *Socket bits*	1/4"
65	53065, 53066, 53067, 53068, 53069, 53070, 53071, 53072, 53074, 53075, 53076, 53078, 53079, 53080, 53082, 53083, 53084, 53086, 53087, 53088, 53089, 53098, 53099, 53100, 53101, 53102, 53103, 55680, 55681, 55682, 55683, 55684, 55685, 55686, 55687, 56975, 56976, 56977, 56978, 56979, 56980, 56981, 56982, 56985, 56986, 56987, 56988, 56989, 56990, 56991, 56992, 56993, 58896, 58897, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770		3/8"
72	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696, 56896, 56897, 65985, 65986, 65987, 65988, 65989, 65990, 65991, 65992, 66801, 66802, 66803, 66804, 66805, 66806, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829		1/2"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65783	Punzón / *Awl*	-
	65601	Recogedor telescópico / *Telescopic joint pick up*	
	65831	Reglas / *Rulers*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	
2	69570, 69572	Sargentos / *Clamps*	
8	62123, 62125, 62145, 62146, 62177, 62284, 62793, 62795	Tenazas / *Pincers*	
3	62169, 62170, 62171	Tijeras / *Tin snips*	
1	69534	Tijeras electricista / *Electrician's scissors*	
	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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- ≈ 800 PCS.
- MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51683	802	-	mm	-	100
51684		51117			230
51685		51074		●	360

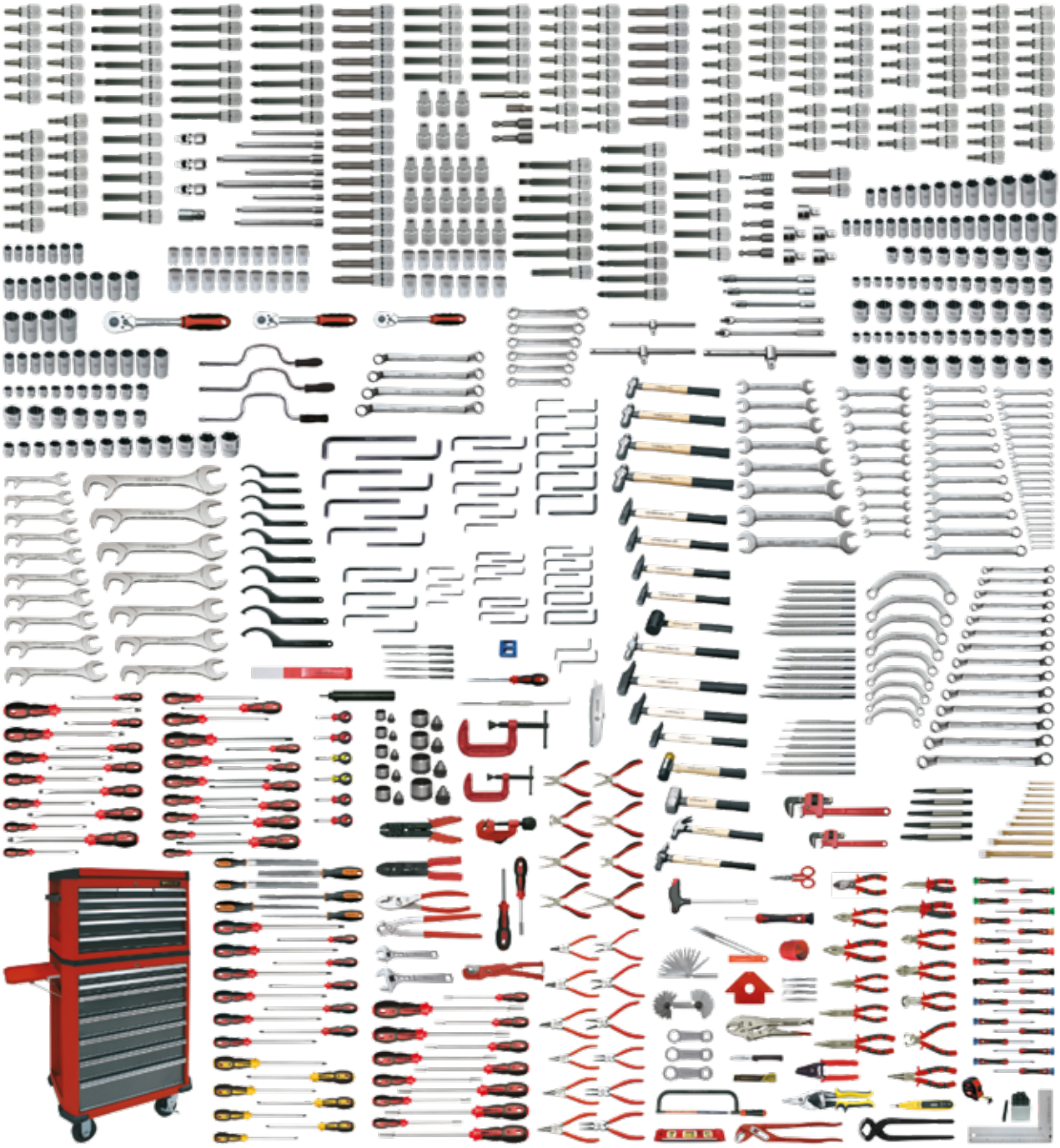
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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
3	57315, 57316, 57317	Adaptadores de par / *Torque adapters*	3/8"
1	66264	Adaptadores portapuntas magnéticos / *Magnetic bit holders*	1/4"
	65603	Agujas de trazar / *Scribers*	-
4	61442, 61443, 61444, 61445	Alargaderas / *Extensions*	1/4"
	61447, 61450, 62118, 62732		3/8"
	61453, 61455, 61458, 62119		1/2"
12	62331, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62344, 62346, 62349	Alicates / *Pliers*	-
	62180, 62181, 62182, 62183, 62215, 62216, 62219, 62220, 62223, 62224, 62227, 62228	Alicates Circlips / *Circlips pliers*	
2	62493, 62494	Alicates de terminales / *Crimping pliers*	
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
1	62092	Alicates tipo Ford / *Slip joint pliers*	
	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"
	61437		1/2"
	61408	Berbiquí / *Speeder Handle*	1/4"
	61409		3/8"
	61434		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	-
1	66074	Buscapolos / *Voltage tester*	
11	62847, 62848, 62849, 62850, 62853, 62854, 62855, 62856, 62857, 62858, 63472	Cinceles / *Chisels*	
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
2	63170, 63199	Cortatubos / *Tube cutters*	
1	66732	Destornillador portavasos / *Socket holder*	1/4"
2	57681, 57682	Destornilladores acodados / *Offset screwdrivers*	-
4	66525, 66526, 66527, 66529	Destornilladores carroceros / *Stubby screwdrivers*	
13	66509, 66510, 66511, 66512, 66513, 66514, 66515, 66516, 66517, 66518, 66519, 66520, 66521	Destornilladores de vaso / *Socket screwdrivers*	
11	66411, 66412, 66420, 66421, 66422, 66423, 66424, 66425, 66426, 66427, 66428	Destornilladores electricista / *Electrician screwdrivers*	
14	66399, 66400, 66401, 66402, 66403, 66404, 66405, 66406, 66407, 66408, 66409, 66410, 66448, 66449	Destornilladores mecánicos / *Slotted screwdrivers*	
20	57684, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 57685, 66864, 66865, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
2	66249, 66731	Destornilladores portapuntas / *Bitholder screwdrivers*	
8	66456, 66457, 66458, 66459, 66460, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
13	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	63085	Escariadores / *Reamers*	
	65766	Escuadra magnética para soldadura / *Magnetic welding square*	
2	65768, 65813	Escuadras / *Squares*	
5	61586, 61587, 61588, 61589, 61590	Extractores de tornillos / *Screw extractors*	
1	65171	Flexómetros / *Measuring tapes*	
2	65559, 65571	Galgas / *Gauges*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
1	65852	Juegos de golpe números / *Punches numbers*	
6	63692, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
18	61774, 61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 67843, 67844, 67845, 67855	Llaves acodadas / *Double offset ring wrenches*	
2	61112, 61213	Llaves ajustables / *Adjustable wrenches*	
31	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 63965, 63966, 63967, 67880, 67881	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62604		3/8"
	62606		1/2"
10	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68291, 68292	Llaves de gancho / *Hook spanners*	-
41	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63985, 63986, 63987, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670	Llaves de vaso / *Socket wrenches*	1/4"
43	57171, 57172, 57173, 57174, 57175, 57176, 57177, 57178, 61343, 61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354, 61355, 61356, 61357, 67539, 67540, 67560, 67561, 67725, 67726, 67727, 67728, 67729, 67730, 67731, 67732, 67733, 67734, 67735, 67736, 67737, 67738, 67739, 67740		3/8"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
72	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57179, 57180, 57181, 57182, 57183, 57184, 57185, 57186, 57187, 61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61401, 61402, 61403, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796, 67797, 67798, 67799, 67800	Llaves de vaso / *Socket wrenches*	1/2"
6	57718, 57719, 57720, 57721, 57722, 57723	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	
16	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61712, 61713, 67917, 67963, 67967	Llaves fijas / *Open-end wrenches*	
17	58520, 58521, 58522, 58523, 58524, 58525, 58526, 58527, 58528, 58529, 58530, 58531, 58532, 58533, 58534, 58535, 58536	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
37	61501, 61502, 61503, 61504, 61505, 61506, 61517, 61518, 61519, 61525, 61526, 61621, 61622, 61623, 61624, 65302, 65303, 65304, 65306, 65307, 65308, 65309, 65310, 65311, 65330, 65331, 65332, 65519, 65955, 65956, 65958, 65959, 67300, 67301, 67302, 67493, 67494	Llaves hexagonales / *Hexagonal key wrenches*	-
9	57155, 57156, 57157, 57158, 57159, 57160, 57161, 57162, 60795	Llaves media luna / *Half moon spanners*	
2	61001, 61004	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65874	Mango articulado / *Swivel handle*	1/4"
	65875		3/8"
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
	61439		3/8"
	61440		1/2"
17	55326, 69521, 69601, 69603, 69605, 69610, 69612, 69613, 69614, 69617, 69618, 69620, 69622, 69675, 69681, 69701, 69712	Martillos / *Hammers*	
1	69525	Navajas / *Penknifes*	-
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
4	69530, 69531, 69532, 69533	Pinzas / *Tweezers*	
1	55265	Punta portavasos / *Socket holder bit*	
59	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53013, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53034, 53035, 53036, 53037, 53038, 53039, 53041, 53042, 53043, 53044, 53045, 53046, 53047, 53048, 53049, 53050, 55697, 55698, 55699, 55700, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 67164	Puntas atornilladoras con vaso / *Socket bits*	1/4"
60	53065, 53066, 53067, 53068, 53069, 53070, 53071, 53072, 53074, 53075, 53076, 53078, 53079, 53080, 53082, 53083, 53084, 53086, 53087, 53088, 53089, 53098, 53099, 53100, 53101, 53102, 53103, 55701, 55702, 55703, 58896, 58897, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770, 66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782, 66783, 66784, 66785, 66786, 66787		3/8"
77	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55704, 55705, 55706, 55707, 55708, 56896, 56897, 66801, 66802, 66803, 66804, 66805, 66806, 66807, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66817, 66818, 66819, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829, 66842, 67213, 67214		1/2"
8	57575, 57576, 66269, 66270, 66271, 66279, 66280, 66357	Puntas Stecker / *Magnetic Stecker*	1/4"
1	65783	Punzón / *Awl*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	
2	69570, 69572	Sargentos / *Clamps*	-
5	62123, 62146, 62177, 62284, 62795	Tenazas / *Pincers*	
1	62170	Tijeras / *Tin snips*	
	69534	Tijeras electricista / *Electrician's scissors*	
	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51686	802	-	inch	-	95
51687		51117			220
51688		51074		●	350

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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
4	66261, 66262, 66263, 66264	Adaptadores portapuntas magnéticos / *Magnetic bit holders*	1/4"
1	65603	Agujas de trazar / *Scribers*	-
3	61442, 61444, 61445	Alargaderas / *Extensions*	1/4"
5	61447, 61450, 61459, 62118, 62732		3/8"
4	61453, 61455, 61458, 62119		1/2"
13	62331, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62345, 62348, 62349, 62370	Alicates / *Pliers*	-
12	62180, 62181, 62182, 62183, 62215, 62216, 62219, 62220, 62223, 62224, 62227, 62228	Alicates Circlips / *Circlips pliers*	
2	62493, 62494	Alicates de terminales / *Crimping pliers*	
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
1	62092	Alicates tipo Ford / *Slip joint pliers*	
	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"
	61437		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	-
1	66074	Buscapolos / *Voltage tester*	
8	62847, 62848, 62849, 62850, 62853, 62854, 62855, 62857	Cinceles / *Chisels*	
2	65622, 65627	Compases / *Calipers*	
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
3	63097, 63170, 63199	Cortatubos / *Tube cutters*	
1	66732	Destornillador portavasos / *Socket holder*	1/4"
3	55371, 66526, 66527	Destornilladores carroceros / *Stubby screwdrivers*	-
15	55372, 55373, 55374, 55375, 55376, 55378, 55379, 55380, 55382, 55383, 55385, 55397, 55399, 55401, 66518	Destornilladores de vaso / *Socket screwdrivers*	
8	55352, 55354, 55355, 55357, 55358, 55359, 55360, 55361	Destornilladores electricista / *Electrician screwdrivers*	
11	55328, 55329, 55330, 55331, 55332, 55333, 55334, 55335, 55337, 55338, 55341	Destornilladores mecánicos / *Slotted screwdrivers*	
18	55449, 55450, 55451, 55452, 55453, 55457, 66850, 66851, 66852, 66853, 66854, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
4	66249, 66731, 66843, 66844	Destornilladores portapuntas / *Bitholder screwdrivers*	
8	66456, 66457, 66458, 66459, 66460, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
13	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	63085	Escariadores / *Reamers*	
	65766	Escuadra magnética para soldadura / *Magnetic welding square*	
2	65768, 65813	Escuadras / *Squares*	
8	61583, 61584, 61585, 61586, 61587, 61588, 61589, 61590	Extractores de tornillos / *Screw extractors*	
1	65361	Flexómetros / *Measuring tapes*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
1	65852	Juegos de golpe números / *Punches numbers*	
11	63504, 63540, 63576, 63612, 63648, 63684, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
12	60380, 60381, 60382, 60384, 60385, 60388, 60390, 60391, 67886, 67887, 67888, 67893	Llaves acodadas / *Double offset ring wrenches*	
2	61110, 61113	Llaves ajustables / *Adjustable wrenches*	
30	58460, 58461, 58462, 58463, 58464, 58465, 58466, 58467, 60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60358, 67878, 67885, 67953, 67954	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62604		3/8"
	62606		1/2"
10	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68291, 68292	Llaves de gancho / *Hook spanners*	-
40	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67689, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
33	57173, 57174, 57175, 57176, 57177, 60439, 60440, 60441, 60442, 60443, 60444, 60445, 60446, 60447, 60448, 60449, 60450, 60451, 60452, 60453, 67750, 67751, 67752, 67753, 67754, 67755, 67756, 67757, 67758, 67759, 67760, 67761, 67762		3/8"
50	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57185, 57186, 57187, 60479, 60480, 60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60489, 60490, 60491, 60492, 60493, 60494, 60495, 60496, 60497, 60498, 67805, 67806, 67807, 67808, 67809, 67810, 67811, 67812		1/2"
4	57775, 57776, 57777, 57778	Llaves estrella planas / *Double ended flat ring spanners*	-
5	57718, 57719, 57720, 57721, 57722	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	
25	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314, 60315, 67931, 67934, 67939, 67940, 67941, 67942, 67943, 67944, 67945	Llaves fijas / *Open-end wrenches*	

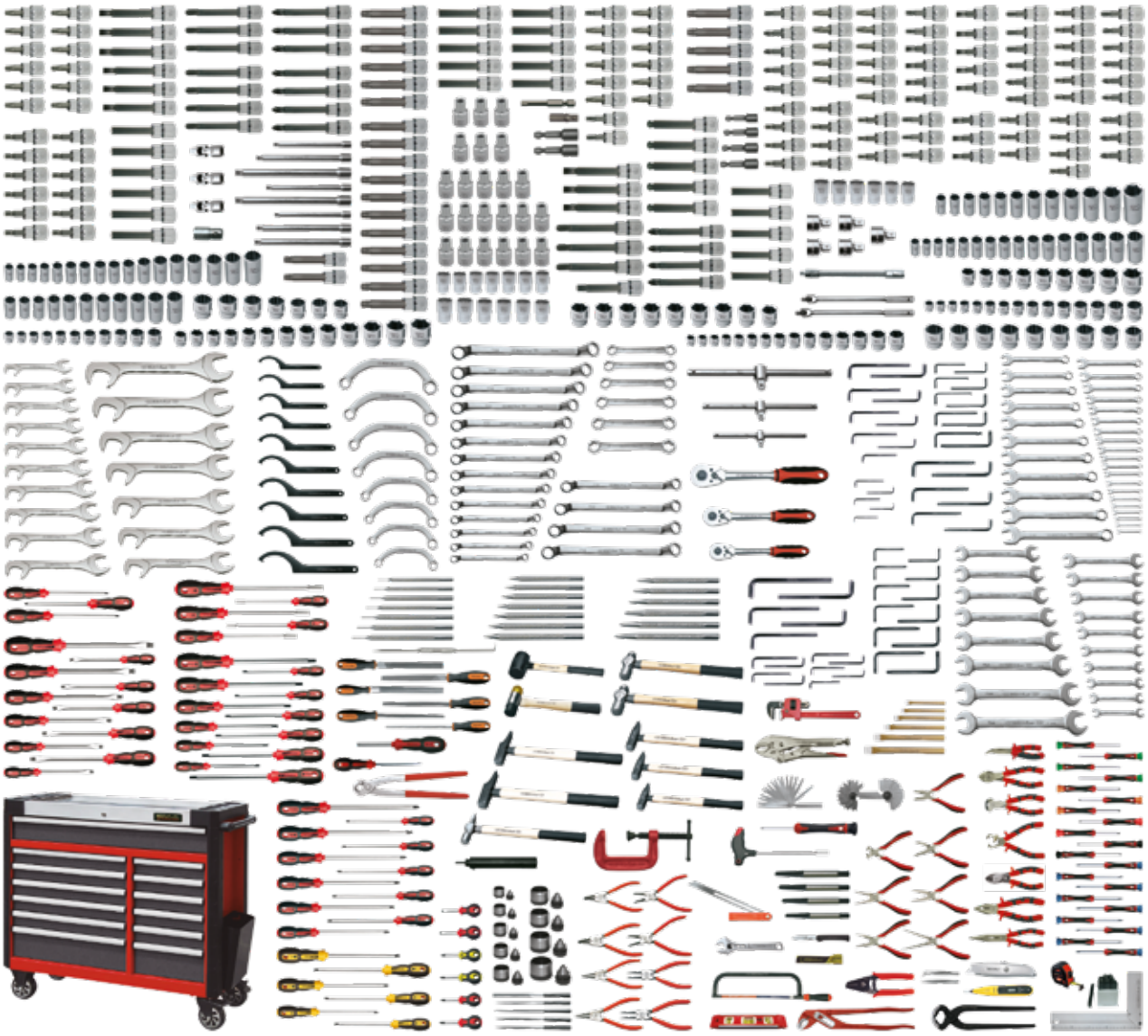
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ISO 9001:2015
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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
7	55724, 55725, 55726, 55728, 55730, 55732, 55734	Llaves fijas Crowfoot / *Open end Crowfoot wrenches*	3/8"
8	56210, 56211, 56212, 56213, 56214, 56215, 56216, 56217	Llaves fijas extrafinas / *Slim open end wrenches*	
13	58537, 58538, 58539, 58540, 58541, 58542, 58543, 58544, 58545, 58546, 58547, 58548, 58549	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
29	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329, 67671, 68900, 68901, 68902, 68903, 68904, 68905, 68906, 68907, 68908, 68909, 68910, 68911, 68912	Llaves hexagonales / *Hexagonal key wrenches*	
13	68914, 68915, 68916, 68917, 68918, 68919, 68920, 68921, 68922, 68923, 68924, 68925, 68926	Llaves hexagonales bola / *Hexagonal key wrenches ball type*	
6	57148, 57149, 57150, 57151, 57152, 57153	Llaves media luna / *Half moon spanners*	-
7	58752, 58753, 58754, 58755, 58756, 58757, 58758	Llaves para racores / *Flare nut spanners*	
6	65975, 65976, 65977, 65978, 65979, 65980	Llaves Ribe® / *Ribe® wrenches*	
2	61001, 61004	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65874	Mango articulado / *Swivel handle*	1/4"
1	65875		3/8"
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
	61439		3/8"
	61440		1/2"
13	55326, 69521, 69601, 69603, 69612, 69614, 69617, 69618, 69620, 69675, 69681, 69701, 69712	Martillos / *Hammers*	
5	68043, 68048, 68050, 68051, 68056	Muelles curvatubos / *Spring tube benders*	
1	69525	Navajas / *Penknifes*	-
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
4	69530, 69531, 69532, 69533	Pinzas / *Tweezers*	
	55265	Punta portavasos / *Socket holder bit*	1/4"
1	61695	Puntas adaptadoras para vasos / *Adapter bits for sockets*	
	61696		3/8"
	61697		1/2"
64	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53027, 53028, 53029, 53030, 53031, 53032, 53034, 53035, 53036, 53037, 53038, 53039, 53051, 53052, 53053, 53054, 53055, 53056, 53057, 53058, 53059, 53060, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742	Puntas atornilladoras con vaso / *Socket bits*	1/4"
65	53065, 53066, 53067, 53068, 53069, 53070, 53071, 53072, 53074, 53075, 53076, 53078, 53079, 53080, 53082, 53083, 53084, 53086, 53087, 53088, 53089, 53098, 53099, 53100, 53101, 53102, 53103, 55680, 55681, 55682, 55683, 55684, 55685, 55686, 55687, 56975, 56976, 56977, 56978, 56979, 56980, 56981, 56982, 56985, 56986, 56987, 56988, 56989, 56990, 56991, 56992, 56993, 58896, 58897, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770		3/8"
72	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696, 56896, 56897, 65985, 65986, 65987, 65988, 65989, 65990, 65991, 65992, 66801, 66802, 66803, 66804, 66805, 66806, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829		1/2"
	65783	Punzón / *Awl*	
1	65601	Recogedor telescópico / *Telescopic joint pick up*	
	65831	Reglas / *Rulers*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	
2	69570, 69572	Sargentos / *Clamps*	-
5	62123, 62145, 62177, 62284, 62795	Tenazas / *Pincers*	
3	62169, 62170, 62171	Tijeras / *Tin snips*	
	69534	Tijeras electricista / *Electrician's scissors*	
1	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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■ ≈ 700 PCS.

■ MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51689	713	-	mm	-	75
51690		50954			185
51691		51039, 51117		●	270

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	65603	Agujas de trazar / *Scribers*	-
4	61442, 61443, 61444, 61445	Alargaderas / *Extensions*	1/4"
3	61447, 61450, 62732		3/8"
	61453, 61455, 61458		1/2"
6	62331, 62339, 62341, 62343, 62346, 62349	Alicates / *Pliers*	-
8	62180, 62181, 62182, 62183, 62216, 62220, 62224, 62228	Alicates Circlips / *Circlips pliers*	
	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62249	Alicates mini / *Mini Pliers*	
1	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	61436	Articulación universal / *Universal joint*	3/8"
	61437		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
1	66074	Buscapolos / *Voltage tester*	
6	62847, 62848, 62849, 62850, 62853, 62854	Cinceles / *Chisels*	-
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
	66732	Destornillador portavasos / *Socket holder*	1/4"
4	66525, 66526, 66527, 66529	Destornilladores carroceros / *Stubby screwdrivers*	
5	66509, 66510, 66511, 66512, 66513	Destornilladores de vaso / *Socket screwdrivers*	
11	66411, 66412, 66420, 66421, 66422, 66423, 66424, 66425, 66426, 66427, 66428	Destornilladores electricista / *Electrician screwdrivers*	
	66399, 66400, 66401, 66402, 66403, 66404, 66405, 66406, 66407, 66408, 66448	Destornilladores mecánicos / *Slotted screwdrivers*	
20	57684, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 57685, 66864, 66865, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	66249	Destornilladores portapuntas / *Bitholder screwdrivers*	
7	66456, 66457, 66458, 66459, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
12	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
2	65768, 65813	Escuadras / *Squares*	
4	61586, 61587, 61588, 61589	Extractores de tornillos / *Screw extractors*	-
1	65171	Flexómetros / *Measuring tapes*	
2	65559, 65571	Galgas / *Gauges*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
1	65852	Juegos de golpe números / *Punches numbers*	
6	63692, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
18	61774, 61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 67843, 67844, 67845, 67855	Llaves acodadas / *Double offset ring wrenches*	
1	61112	Llaves ajustables / *Adjustable wrenches*	
31	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 63965, 63966, 63967, 67880, 67881	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62604		3/8"
	62606		1/2"
10	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68291, 68292	Llaves de gancho / *Hook spanners*	-
28	57165, 57166, 57167, 57168, 57169, 57170, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63985, 63986, 63987, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670	Llaves de vaso / *Socket wrenches*	1/4"
43	57171, 57172, 57173, 57174, 57175, 57176, 57177, 57178, 61343, 61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354, 61355, 61356, 61357, 67539, 67540, 67560, 67561, 67725, 67726, 67727, 67728, 67729, 67730, 67731, 67732, 67733, 67734, 67735, 67736, 67737, 67738, 67739, 67740		3/8"
69	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57179, 57180, 57181, 57182, 57183, 57184, 57185, 57186, 57187, 61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61401, 61402, 61403, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796, 67797		1/2"
6	57718, 57719, 57720, 57721, 57722, 57723	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	
16	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61712, 61713, 67917, 67963, 67967	Llaves fijas / *Open-end wrenches*	
17	58520, 58521, 58522, 58523, 58524, 58525, 58526, 58527, 58528, 58529, 58530, 58531, 58532, 58533, 58534, 58535, 58536	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
34	61501, 61502, 61503, 61504, 61505, 61506, 61517, 61518, 61519, 61525, 61526, 61621, 61622, 61623, 61624, 65302, 65303, 65304, 65306, 65307, 65308, 65309, 65310, 65311, 65330, 65331, 65332, 65519, 65955, 65956, 65958, 67300, 67493, 67494	Llaves hexagonales / *Hexagonal key wrenches*	-
8	57155, 57156, 57158, 57159, 57160, 57161, 57162, 60795	Llaves media luna / *Half moon spanners*	
1	61001	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	65874	Mango articulado / *Swivel handle*	1/4"
	65875		3/8"
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
	61439		3/8"

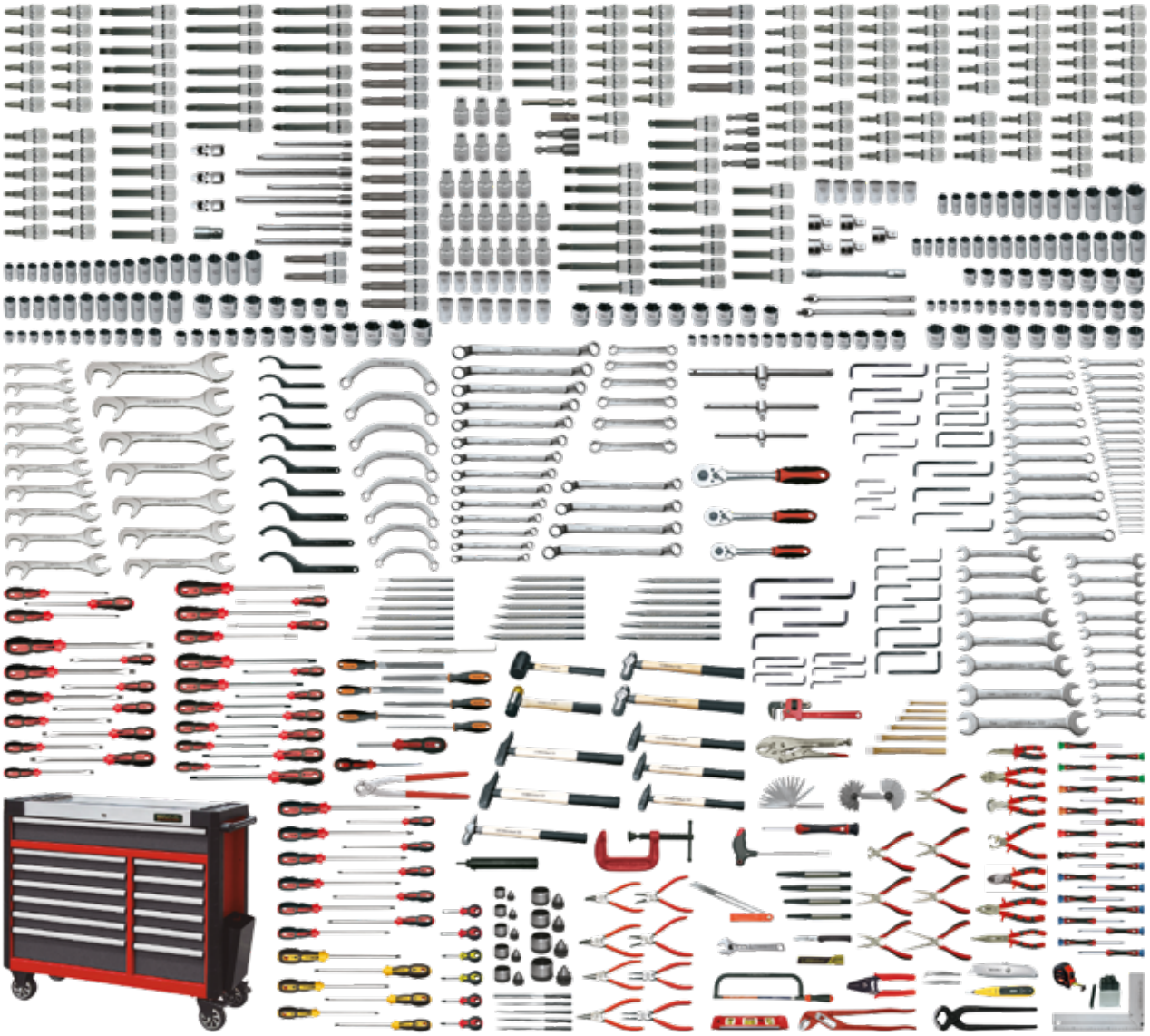
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ISO 9001:2015
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to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	61440	Mango correrizo en T / *Sliding "T" handle*	1/2"
10	55326, 69521, 69601, 69612, 69614, 69618, 69620, 69622, 69681, 69701	Martillos / *Hammers*	
1	69525	Navajas / *Penknifes*	-
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
2	69530, 69531	Pinzas / *Tweezers*	
1	55265	Punta portavasos / *Socket holder bit*	
59	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53013, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53034, 53035, 53036, 53037, 53038, 53039, 53041, 53042, 53043, 53044, 53045, 53046, 53047, 53048, 53049, 53050, 55697, 55698, 55699, 55700, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 67164	Puntas atornilladoras con vaso / *Socket bits*	1/4"
60	53065, 53066, 53067, 53068, 53069, 53070, 53071, 53072, 53074, 53075, 53076, 53078, 53079, 53080, 53082, 53083, 53084, 53086, 53087, 53088, 53089, 53098, 53099, 53100, 53101, 53102, 53103, 55701, 55702, 55703, 58896, 58897, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770, 66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782, 66783, 66784, 66785, 66786, 66787		3/8"
73	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 55704, 55705, 55706, 55707, 55708, 56896, 66801, 66802, 66803, 66804, 66805, 66806, 66807, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66817, 66818, 66819, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829, 66842, 67213, 67214		1/2"
7	57575, 57576, 66269, 66270, 66271, 66279, 66280	Puntas Stecker / *Magnetic Stecker*	1/4"
1	65783	Punzón / *Awl*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	-
1	69570	Sargentos / *Clamps*	
5	62123, 62146, 62177, 62284, 62795	Tenazas / *Pincers*	
1	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51692	704	-	inch	-	75
51693		50954			185
51694		51039, 51117		●	270

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	65603	Agujas de trazar / *Scribers*	-
3	61442, 61444, 61445	Alargaderas / *Extensions*	1/4"
4	61447, 61450, 61459, 62732		3/8"
3	61453, 61455, 61458		1/2"
8	62331, 62337, 62338, 62339, 62341, 62343, 62345, 62349	Alicates / *Pliers*	
	62180, 62181, 62182, 62183, 62216, 62220, 62224, 62228	Alicates Circlips / *Circlips pliers*	
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	-
1	62092	Alicates tipo Ford / *Slip joint pliers*	
	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"

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Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	61437	Articulación universal / *Universal joint*	1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
1	66074	Buscapolos / *Voltage tester*	
6	62847, 62848, 62849, 62850, 62853, 62854	Cinceles / *Chisels*	-
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
	66732	Destornillador portavasos / *Socket holder*	1/4"
3	55371, 66526, 66527	Destornilladores carroceros / *Stubby screwdrivers*	
8	55352, 55354, 55355, 55357, 55358, 55359, 55360, 55361	Destornilladores electricista / *Electrician screwdrivers*	
11	55328, 55329, 55330, 55331, 55332, 55333, 55334, 55335, 55337, 55338, 55341	Destornilladores mecánicos / *Slotted screwdrivers*	
18	55449, 55450, 55451, 55452, 55453, 55457, 66850, 66851, 66852, 66853, 66854, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	66249	Destornilladores portapuntas / *Bitholder screwdrivers*	
8	66456, 66457, 66458, 66459, 66460, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
13	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	65766	Escuadra magnética para soldadura / *Magnetic welding square*	
	65768	Escuadras / *Squares*	-
7	61583, 61584, 61585, 61586, 61587, 61588, 61589	Extractores de tornillos / *Screw extractors*	
1	65361	Flexómetros / *Measuring tapes*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
1	65852	Juegos de golpe números / *Punches numbers*	
10	63504, 63576, 63612, 63648, 63684, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
12	60380, 60381, 60382, 60384, 60385, 60388, 60390, 60391, 67886, 67887, 67888, 67893	Llaves acodadas / *Double offset ring wrenches*	
1	61110	Llaves ajustables / *Adjustable wrenches*	
30	58460, 58461, 58462, 58463, 58464, 58465, 58466, 58467, 60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60358, 67878, 67885, 67953, 67954	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62604		3/8"
	62606		1/2"
9	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68292	Llaves de gancho / *Hook spanners*	-
40	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67689, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
31	57173, 57174, 57175, 57176, 57177, 60439, 60440, 60441, 60442, 60443, 60444, 60445, 60446, 60447, 60448, 60449, 60450, 60451, 60452, 60453, 67750, 67751, 67752, 67753, 67754, 67755, 67756, 67757, 67758, 67759, 67761		3/8"
50	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57185, 57186, 57187, 60479, 60480, 60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60489, 60490, 60491, 60492, 60493, 60494, 60495, 60496, 60497, 60498, 67805, 67806, 67807, 67808, 67809, 67810, 67811, 67812		1/2"
4	57775, 57776, 57777, 57778	Llaves estrella planas / *Double ended flat ring spanners*	
5	57718, 57719, 57720, 57721, 57722	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	
25	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314, 60315, 67931, 67934, 67939, 67940, 67941, 67942, 67943, 67944, 67945	Llaves fijas / *Open-end wrenches*	
8	56210, 56211, 56212, 56213, 56214, 56215, 56216, 56217	Llaves fijas extrafinas / *Slim open end wrenches*	
12	58537, 58538, 58539, 58540, 58541, 58542, 58543, 58544, 58545, 58546, 58547, 58548	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
29	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329, 67671, 68900, 68901, 68902, 68903, 68904, 68905, 68906, 68907, 68908, 68909, 68910, 68911, 68912	Llaves hexagonales / *Hexagonal key wrenches*	-
13	68914, 68915, 68916, 68917, 68918, 68919, 68920, 68921, 68922, 68923, 68924, 68925, 68926	Llaves hexagonales bola / *Hexagonal key wrenches ball type*	
5	57148, 57149, 57150, 57151, 57152	Llaves media luna / *Half moon spanners*	
	58752, 58753, 58754, 58756, 58758	Llaves para racores / *Flare nut spanners*	
6	65975, 65976, 65977, 65978, 65979, 65980	Llaves Ribe® / *Ribe® wrenches*	
1	61001	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65874	Mango articulado / *Swivel handle*	1/4"
	61438	Mango correrizo en T / *Sliding "T" handle*	
	61439		3/8"
	61440		1/2"

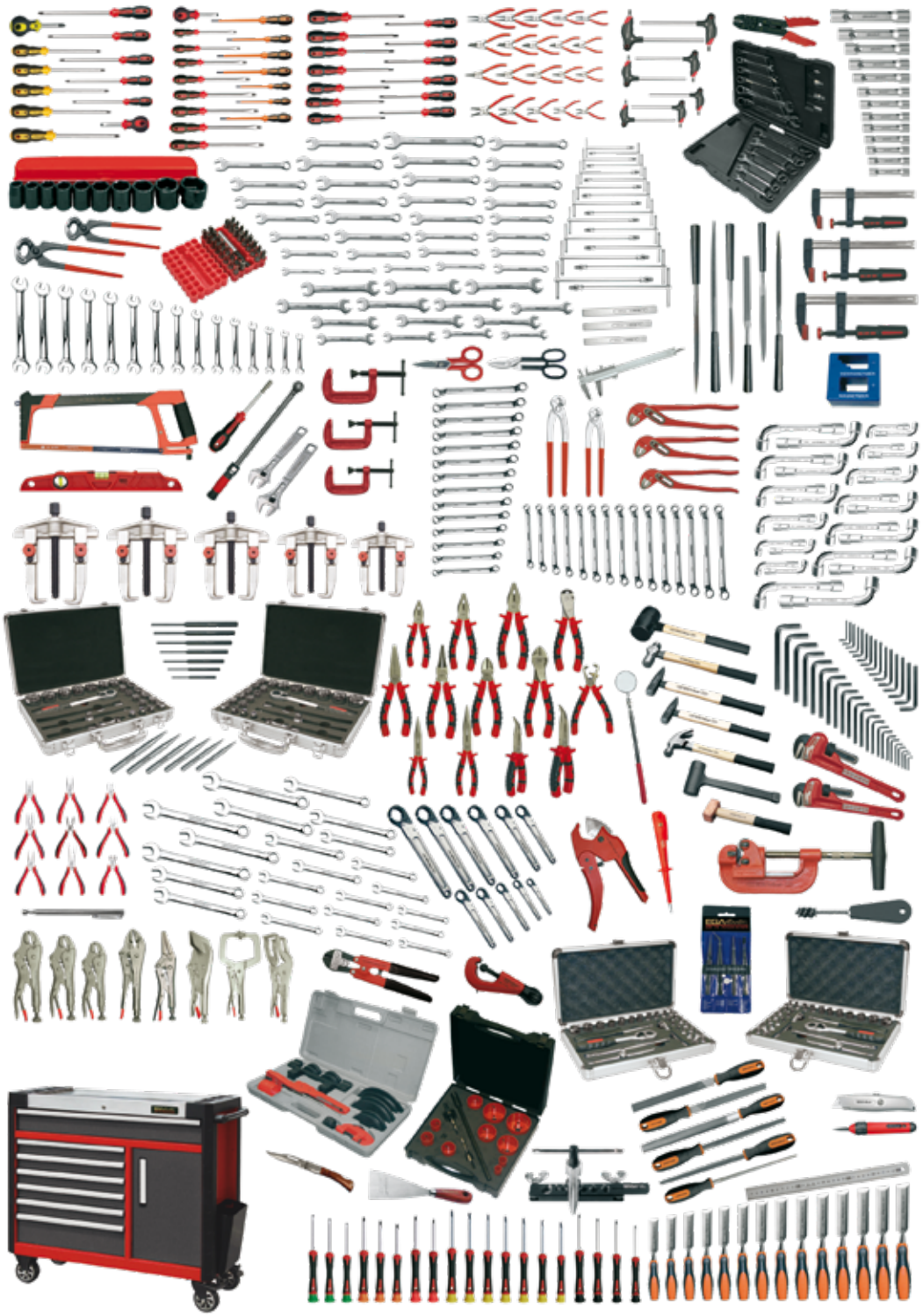
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Management System
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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
9	55326, 69521, 69601, 69612, 69614, 69618, 69620, 69681, 69701	Martillos / *Hammers*	
1	69525	Navajas / *Penknifes*	-
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
2	69530, 69531	Pinzas / *Tweezers*	
1	55265	Punta portavasos / *Socket holder bit*	1/4"
	61695	Puntas adaptadoras para vasos / *Adapter bits for sockets*	
	61696		3/8"
	61697		1/2"
64	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53027, 53028, 53029, 53030, 53031, 53032, 53034, 53035, 53036, 53037, 53038, 53039, 53051, 53052, 53053, 53054, 53055, 53056, 53057, 53058, 53059, 53060, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742	Puntas atornilladoras con vaso / *Socket bits*	1/4"
61	53065, 53066, 53067, 53068, 53069, 53070, 53071, 53072, 53074, 53075, 53076, 53078, 53079, 53080, 53082, 53083, 53084, 53086, 53087, 53088, 53089, 53098, 53099, 53100, 53101, 53102, 53103, 55680, 55681, 55682, 55683, 55684, 55685, 55686, 55687, 56975, 56976, 56977, 56978, 56979, 56980, 56981, 56982, 56985, 56986, 56987, 56988, 56991, 56992, 58896, 66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770		3/8"
58	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696, 56896, 66801, 66802, 66804, 66805, 66806, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829		1/2"
1	65783	Punzón / *Awl*	-
	65831	Reglas / *Rulers*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	
1	69570	Sargentos / *Clamps*	
4	62123, 62145, 62177, 62795	Tenazas / *Pincers*	
1	69534	Tijeras electricista / *Electrician's scissors*	
	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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- **632 PCS.**
- **MM / INCH**



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68960	632	-	mm/inch	-	170
68961		50950			270
55765		50954 (3)		●	500

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
9	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 66525	Destornilladores mecánicos / *Slotted screwdrivers*	
7	76620, 76621, 76622, 76624, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	
6	66438, 66439, 66440, 66441, 66442, 66526	Destornilladores Phillips® / *Phillips® screwdrivers*	
	66456, 66457, 66458, 66459, 66460, 66527	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
13	66474, 66475, 66476, 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	-
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	
16	69870	Set reversible Mastergear / *Set rev. Mastergear*	
13	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831, 61832, 61833, 61834, 61835, 61836	Llaves de tubo doble boca / *Socket double ended wrench*	
18	61840, 61841, 61842, 61843, 61844, 61845, 61846, 61847, 61848, 61849, 61850, 61851, 61852, 61853, 61854, 61855, 61856, 61858	Llaves articuladas en T / *T-handle wrenches with universal joint*	
32	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 60951, 60952, 60953, 60954, 60955, 60956	Llaves combinadas / *Combination wrenches*	mm
23	60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60357, 60358, 60957, 60958, 60959, 60960		inch
14	61700, 61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61712, 61713	Llaves fijas / *Open-end wrenches*	mm
15	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314		inch
16	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 61788, 61789, 61790	Llaves acodadas / *Double offset ring wrenches*	mm
15	60380, 60381, 60382, 60383, 60384, 60385, 60386, 60387, 60388, 60389, 60390, 60391, 60392, 60393, 60394		inch
25	61960	Juego / *Set*	1/2", mm, 25 pcs
	61963		1/2", inch, 25 pcs
26	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886, 61887, 61888, 61889, 61890, 61891, 61892, 61893, 61894, 61895	Llaves de pipa / *Angled sockets*	-
23	65302, 65303, 65304, 65305, 65306, 65307, 65308, 65309, 65310, 65311, 65312, 65313, 65314, 61501, 61502, 61503, 61504, 61505, 61506, 61507, 61508, 61509, 61510	Llaves hexagonales / *Hexagonal keys*	mm
15	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329		inch
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	-
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
13	62331, 62332, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62344, 62345, 62349	Alicates / *Pliers*	
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
3	62133, 62134, 62135	Tenazas de canal / *Box joint pincers*	
2	61112, 61114	Llave ajustable / *Adjustable wrench*	
5	62586, 62587, 62588, 62589, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
29	61958	Juego vasos / *Socket set*	1/4", mm
	61961		1/4", inch
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
7	69614, 69619, 69622, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
2	61016, 61018	Llave HD / *HD Pipe wrench*	12"
8	62177, 62178, 62172, 62231, 62486, 62487, 62508, 62490,	Tenazas Grip / *Grip pincers*	-
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
3	69570, 69572, 69575	Sargentos G / *G Clamps*	
	69582, 69586, 69588	Sargentos F / *F Clamps*	
1	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	
10	60693	Juego de vasos impacto / *Impact socket sets*	mm
11	61267		inch
2	62123, 62124	Tenaza rusa / *Tower pincer*	9", 10"
	62438, 62440	Tenaza carpintero / *Carpenter pincer*	-
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	62493	Alicate de terminales / *Crimping pliers*	

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Management System
ISO 9001:2015
ISO 14001:2015
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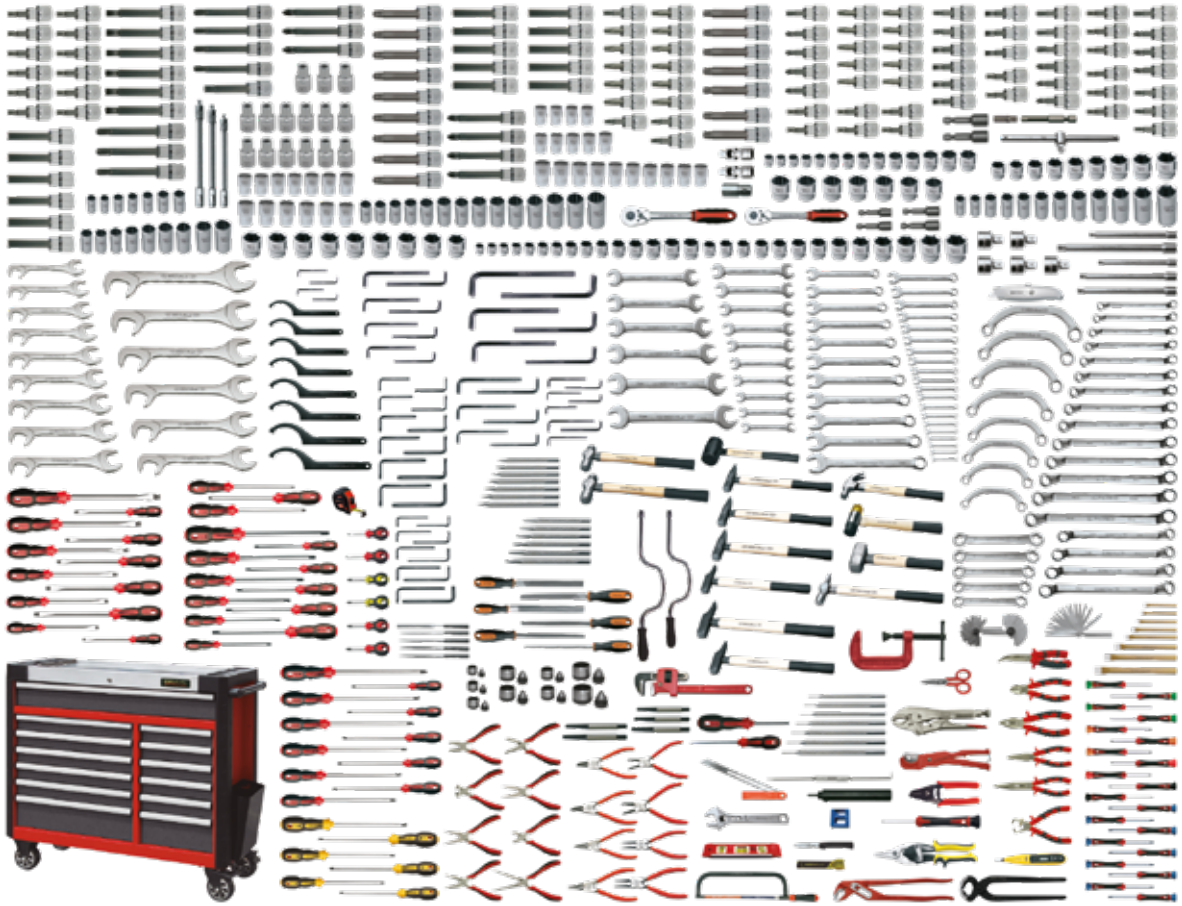
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
11	65089, 65090, 65091, 65092, 65093, 65095, 65096, 65098, 65099, 65100, 65102	Llaves de carraca para racores / *Ratcheting ring wrench*	
19	66846, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 66855, 66856, 66857, 66858, 66859, 66860, 66861, 57684, 57685, 66864, 66865	Juego destornilladores Microtronic / *Microtronic screwdriver set*	-
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetros / *Measuring tape*	3m/10'
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	
1	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63119	Cortatubos cobre / *Cooper tube cutter*	42 mm
	63376	Rasqueta / *Scraper*	-
	63208	Cepillos / *Brushes*	
7	68172	Set curvatubos carraca / *Ratchet tube bender set*	mm
1	68001	Abocinador / *Pulg flaring tool*	inch
	63172	Cortatubos acero / *Steel tube cutter*	2"
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
13	67169, 67170, 67171, 67172, 67173, 67174, 67175, 67176, 67177, 67178, 67179, 67180, 67181	Formones / *Firmer chisels*	-
1	62200	Cortavarillas / *Bolt cutters*	8"
	69501	Cortadores / *Cutters*	
14	64616	Set sierra de coronas / *Bimetal hole saws set*	
1	67022	Espátula / *Scraper*	-
	65388	Navaja / *Penknife*	
	66073	Buscapolos / *Voltage tester*	
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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■ ≈ 600 PCS.

■ MM



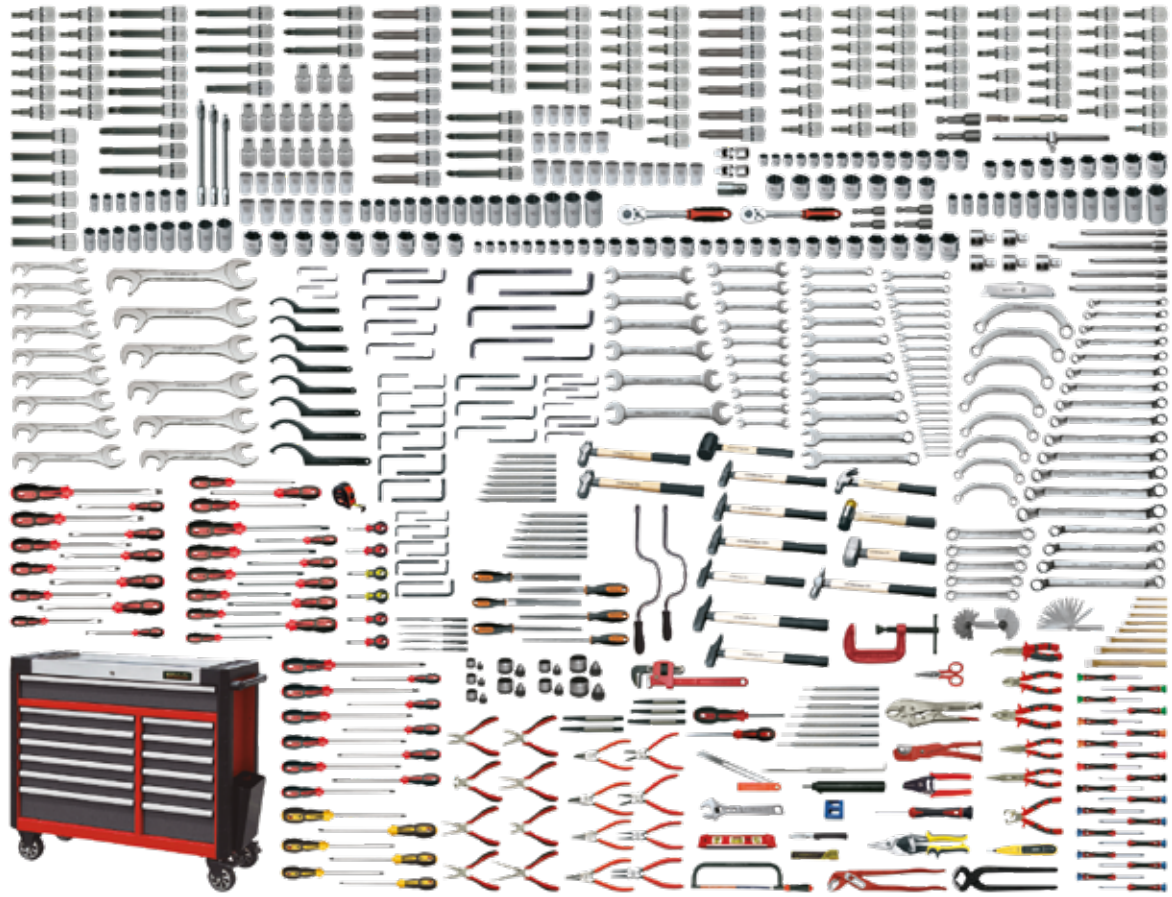
COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51695	606	-	mm	-	70
51696		50954			180
51697		51674, 51117		●	240

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	65603	Agujas de trazar / *Scribers*	-
4	61442, 61443, 61444, 61445	Alargaderas / *Extensions*	1/4"
3	61453, 61455, 61458		1/2"
6	62331, 62337, 62339, 62341, 62343, 62349	Alicates / *Pliers*	-
8	62180, 62181, 62182, 62183, 62216, 62220, 62224, 62228	Alicates Circlips / *Circlips pliers*	
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	
1	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"
	61437		1/2"
	61408	Berbiquí / *Speeder Handle*	1/4"
	61434		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
1	66074	Buscapolos / *Voltage tester*	
8	62847, 62848, 62849, 62850, 62853, 62854, 62855, 62856	Cinceles / *Chisels*	-
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
	63199	Cortatubos / *Tube cutters*	
	66732	Destornillador portavasos / *Socket holder*	1/4"
4	66525, 66526, 66527, 66529	Destornilladores carroceros / *Stubby screwdrivers*	-

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
11	66411, 66412, 66420, 66421, 66422, 66423, 66424, 66425, 66426, 66427, 66428	Destornilladores electricista / *Electrician screwdrivers*	
12	66399, 66400, 66401, 66402, 66403, 66404, 66405, 66406, 66407, 66408, 66409, 66448	Destornilladores mecánicos / *Slotted screwdrivers*	
20	57684, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 57685, 66864, 66865, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
7	66456, 66457, 66458, 66459, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
11	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	65768	Escuadras / *Squares*	
5	61586, 61587, 61588, 61589, 61590	Extractores de tornillos / *Screw extractors*	
1	65171	Flexómetros / *Measuring tapes*	-
2	65559, 65571	Galgas / *Gauges*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
	63692, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
18	61774, 61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 67843, 67844, 67845, 67855	Llaves acodadas / *Double offset ring wrenches*	
1	61112	Llaves ajustables / *Adjustable wrenches*	
31	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 63965, 63966, 63967, 67880, 67881	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62606		1/2"
8	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290	Llaves de gancho / *Hook spanners*	-
41	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63985, 63986, 63987, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670	Llaves de vaso / *Socket wrenches*	1/4"
69	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55811, 55833, 57179, 57180, 57181, 57182, 57183, 57184, 57185, 57186, 57187, 61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61401, 61402, 61403, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796, 67797, 67799, 67800		1/2"
5	57718, 57719, 57720, 57721, 57722	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	
14	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61712, 61713, 67917	Llaves fijas / *Open-end wrenches*	
15	58520, 58521, 58522, 58523, 58524, 58525, 58526, 58527, 58528, 58529, 58530, 58531, 58532, 58533, 58534	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
32	61501, 61502, 61503, 61504, 61505, 61506, 61517, 61518, 61519, 61525, 61526, 61621, 61622, 61623, 61624, 65302, 65303, 65304, 65306, 65307, 65308, 65309, 65310, 65330, 65331, 65332, 65519, 65955, 65956, 65958, 67493, 67494	Llaves hexagonales / *Hexagonal key wrenches*	-
8	57155, 57156, 57158, 57159, 57160, 57161, 57162, 60795	Llaves media luna / *Half moon spanners*	
1	61001	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
13	55326, 69521, 69601, 69603, 69605, 69612, 69613, 69614, 69618, 69620, 69622, 69681, 69701	Martillos / *Hammers*	
1	69525	Navajas / *Penknifes*	-
	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
	55265	Punta portavasos / *Socket holder bit*	
59	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53013, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53034, 53035, 53036, 53037, 53038, 53039, 53041, 53042, 53043, 53044, 53045, 53046, 53047, 53048, 53049, 53050, 55697, 55698, 55699, 55700, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 67164	Puntas atornilladoras con vaso / *Socket bits*	1/4"
73	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 55704, 55705, 55706, 55707, 55708, 56896, 66801, 66802, 66803, 66804, 66805, 66806, 66807, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66817, 66818, 66819, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829, 66842, 67213, 67214		1/2"
7	57575, 57576, 66269, 66270, 66271, 66279, 66280	Puntas Stecker / *Magnetic Stecker*	1/4"
1	65783	Punzón / *Awl*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	
1	69570	Sargentos / *Clamps*	
3	62146, 62177, 62795	Tenazas / *Pincers*	-
1	62170	Tijeras / *Tin snips*	
	69534	Tijeras electricista / *Electrician's scissors*	
	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51698	615	-	inch	-	70
51699		50954			180
51700		51674, 51117		●	240

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
4	66261, 66262, 66263, 66264	Adaptadores portapuntas magnéticos / *Magnetic bit holders*	1/4"
1	65603	Agujas de trazar / *Scribers*	-
3	61442, 61444, 61445	Alargaderas / *Extensions*	1/4"
	61453, 61455, 61458		1/2"
6	62331, 62338, 62339, 62341, 62343, 62349	Alicates / *Pliers*	
8	62180, 62181, 62182, 62183, 62216, 62220, 62224, 62228	Alicates Circlips / *Circlips pliers*	
	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62249	Alicates mini / *Mini Pliers*	-
1	62092	Alicates tipo Ford / *Slip joint pliers*	
	63745	Arcos de sierra / *Hack saws*	
	61435	Articulación universal / *Universal joint*	1/4"
	61437		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
1	66074	Buscapolos / *Voltage tester*	-
7	62847, 62848, 62849, 62850, 62853, 62854, 62855	Cinceles / *Chisels*	
1	69501	Cortadores / *Cutters*	
	66732	Destornillador portavasos / *Socket holder*	1/4"
3	55371, 66526, 66527	Destornilladores carroceros / *Stubby screwdrivers*	
8	55352, 55354, 55355, 55357, 55358, 55359, 55360, 55361	Destornilladores electricista / *Electrician screwdrivers*	
10	55328, 55329, 55330, 55331, 55332, 55333, 55334, 55335, 55337, 55338	Destornilladores mecánicos / *Slotted screwdrivers*	-
18	55449, 55450, 55451, 55452, 55453, 55457, 66850, 66851, 66852, 66853, 66854, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	

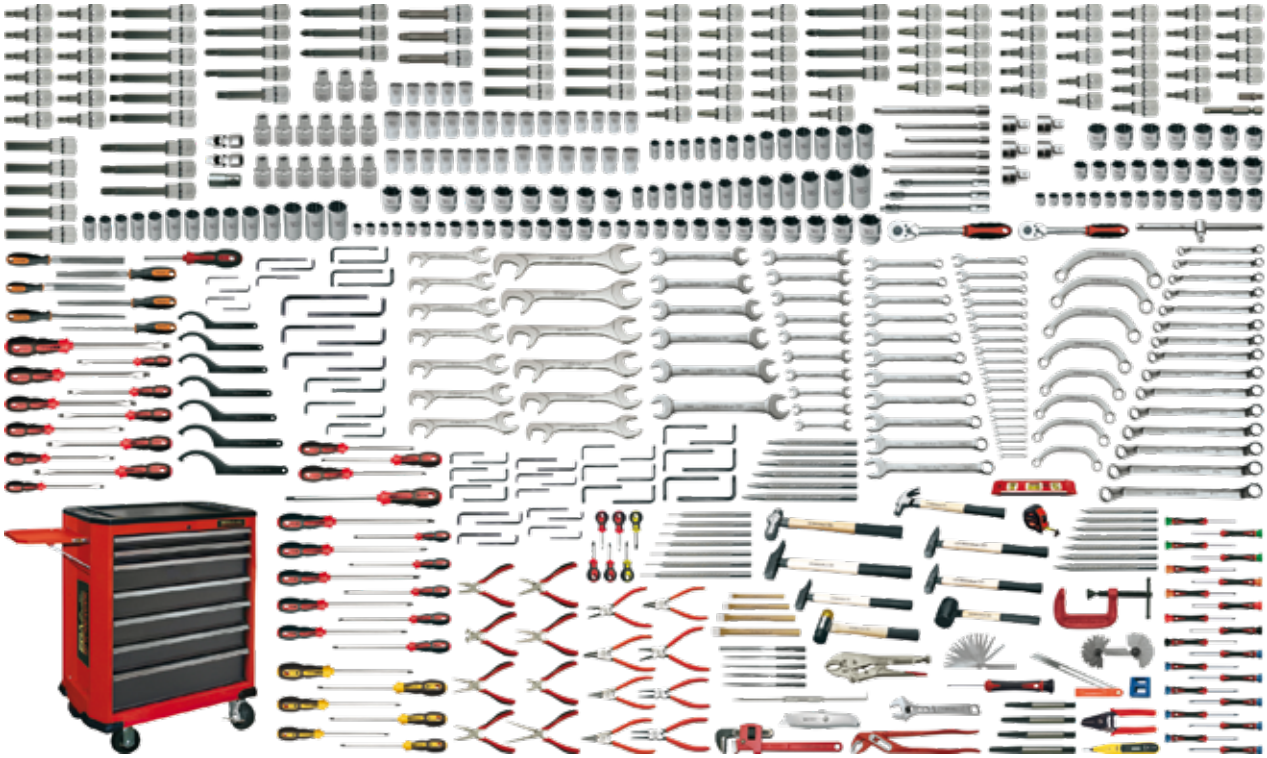
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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	66437, 66438, 66439, 66440, 66441, 66442, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
3	66249, 66843, 66844	Destornilladores portapuntas / *Bitholder screwdrivers*	
8	66456, 66457, 66458, 66459, 66460, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
13	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66498, 66499	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	65768	Escuadras / *Squares*	
7	61583, 61584, 61585, 61586, 61587, 61588, 61589	Extractores de tornillos / *Screw extractors*	
1	65361	Flexómetros / *Measuring tapes*	-
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
5	63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	58641	Linternas / *Flashlights*	
11	60380, 60381, 60382, 60384, 60385, 60388, 60390, 60391, 67886, 67887, 67888	Llaves acodadas / *Double offset ring wrenches*	
1	61110	Llaves ajustables / *Adjustable wrenches*	
30	58460, 58461, 58462, 58463, 58464, 58465, 58466, 58467, 60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60358, 67878, 67885, 67953, 67954	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62606		1/2"
9	68283, 68284, 68285, 68286, 68287, 68288, 68289, 68290, 68292	Llaves de gancho / *Hook spanners*	-
40	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67689, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
47	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810, 55811, 55833, 55834, 57185, 57186, 57187, 60479, 60480, 60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60489, 60490, 60491, 60492, 60493, 60494, 60495, 60496, 60497, 60498, 67806, 67807, 67808, 67809, 67811		1/2"
4	57775, 57776, 57777, 57778	Llaves estrella planas / *Double ended flat ring spanners*	
5	57718, 57719, 57720, 57721, 57722	Llaves estrella planas Torx® / *Double ended flat ring spanners Torx®*	
25	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314, 60315, 67931, 67934, 67939, 67940, 67941, 67942, 67943, 67944, 67945	Llaves fijas / *Open-end wrenches*	
12	58537, 58538, 58539, 58540, 58541, 58542, 58543, 58544, 58545, 58546, 58547, 58548	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
28	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 67671, 68900, 68901, 68902, 68903, 68904, 68905, 68906, 68907, 68908, 68909, 68910, 68911, 68912	Llaves hexagonales / *Hexagonal key wrenches*	
13	68914, 68915, 68916, 68917, 68918, 68919, 68920, 68921, 68922, 68923, 68924, 68925, 68926	Llaves hexagonales bola / *Hexagonal key wrenches ball type*	-
5	57148, 57149, 57150, 57151, 57152	Llaves media luna / *Half moon spanners*	
6	58752, 58753, 58754, 58755, 58756, 58758	Llaves para racores / *Flare nut spanners*	
5	65975, 65976, 65977, 65978, 65979	Llaves Ribe® / *Ribe® wrenches*	
1	61001	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65874	Mango articulado / *Swivel handle*	1/4"
	61438	Mango correrizo en T / *Sliding "T" handle*	
	61440		1/2"
12	55326, 69521, 69601, 69603, 69612, 69614, 69617, 69618, 69620, 69675, 69681, 69701	Martillos / *Hammers*	
5	68043, 68048, 68050, 68051, 68056	Muelles curvatubos / *Spring tube benders*	-
1	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
	55265	Punta portavasos / *Socket holder bit*	1/4"
	61695	Puntas adaptadoras para vasos / *Adapter bits for sockets*	
	61697		1/2"
64	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53027, 53028, 53029, 53030, 53031, 53032, 53034, 53035, 53036, 53037, 53038, 53039, 53051, 53052, 53053, 53054, 53055, 53056, 53057, 53058, 53059, 53060, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742	Puntas atornilladoras con vaso / *Socket bits*	1/4"
10	55684, 56985, 56986, 56987, 56988, 56989, 56990, 56991, 56992, 56993		3/8"
72	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696, 56896, 56897, 65985, 65986, 65987, 65988, 65989, 65990, 65991, 65992, 66801, 66802, 66803, 66804, 66805, 66806, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829	Puntas atornilladoras con vaso / *Socket bits*	1/2"
1	65783	Punzón / *Awl*	
	65831	Reglas / *Rulers*	
10	64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	Sacabocados / *Hollow punches*	-
1	69570	Sargentos / *Clamps*	
4	62123, 62145, 62177, 62795	Tenazas / *Pincers*	
1	62170	Tijeras / *Tin snips*	
	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"
	87628	Limpiador multiusos / *Multi-purpose cleaner*	250 ml
	63988	Cinta de señalización de seguridad / *Safety hazard signs tape*	-

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MM



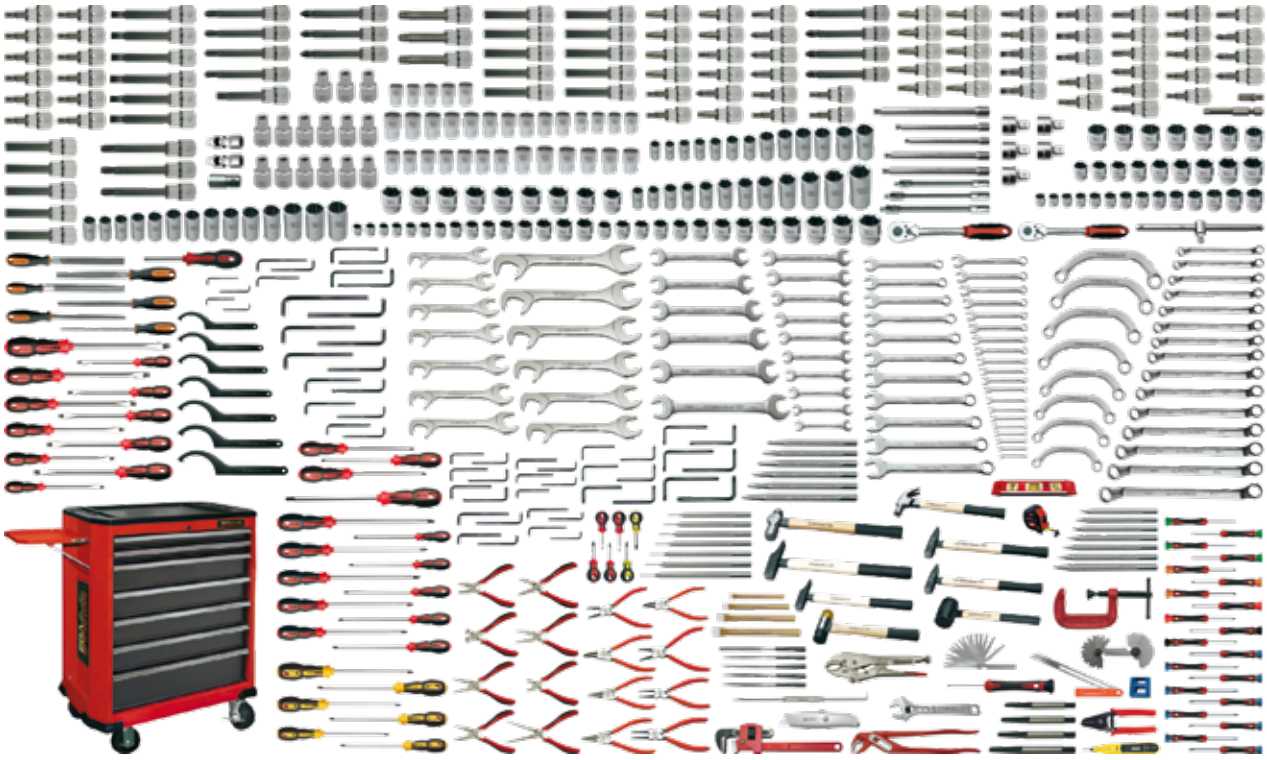
COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51701	513	-	mm	-	50
51702		51039			120
51703		51117		●	175

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	65603	Agujas de trazar / *Scribers*	-
4	61442, 61443, 61444, 61445	Alargaderas / *Extensions*	1/4"
3	61453, 61455, 61458		1/2"
4	62331, 62339, 62341, 62343	Alicates / *Pliers*	-
8	62180, 62181, 62182, 62183, 62216, 62220, 62224, 62228	Alicates Circlips / *Circlips pliers*	
5	62241, 62242, 62246, 62247, 62249	Alicates mini / *Mini Pliers*	
1	61435	Articulación universal / *Universal joint*	1/4"
	61437		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	-
1	66074	Buscapolos / *Voltage tester*	
4	62847, 62849, 62853, 62854	Cinceles / *Chisels*	
1	63915	Cortabridas / *Plastic tie cutters*	
	69501	Cortadores / *Cutters*	
	66732	Destornillador portavasos / *Socket holder*	1/4"
4	66525, 66526, 66527, 66529	Destornilladores carroceros / *Stubby screwdrivers*	-
11	66411, 66412, 66420, 66421, 66422, 66423, 66424, 66425, 66426, 66427, 66428	Destornilladores electricista / *Electrician screwdrivers*	
	66399, 66400, 66401, 66402, 66403, 66404, 66405, 66406, 66407, 66408, 66448	Destornilladores mecánicos / *Slotted screwdrivers*	
20	57684, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 57685, 66864, 66865, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
7	66437, 66438, 66439, 66440, 66441, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
	66456, 66457, 66458, 66459, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
1	66492	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65768	Escuadras / *Squares*	
4	61586, 61587, 61588, 61589	Extractores de tornillos / *Screw extractors*	
1	65171	Flexómetros / *Measuring tapes*	
2	65559, 65571	Galgas / *Gauges*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
	63692, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	-
15	61774, 61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 67843, 67844, 67845, 67855	Llaves acodadas / *Double offset ring wrenches*	
1	61112	Llaves ajustables / *Adjustable wrenches*	
31	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 63965, 63966, 63967, 67880, 67881	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62606		1/2"
7	68283, 68284, 68285, 68286, 68287, 68288, 68289	Llaves de gancho / *Hook spanners*	-
41	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 57165, 57166, 57167, 57168, 57169, 57170, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63985, 63986, 63987, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670	Llaves de vaso / *Socket wrenches*	1/4"
66	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55811, 55833, 57179, 57180, 57181, 57182, 57183, 57184, 57185, 57186, 57187, 61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61401, 61402, 61403, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796		1/2"
14	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61712, 61713, 67917	Llaves fijas / *Open-end wrenches*	
13	58520, 58521, 58522, 58523, 58524, 58525, 58526, 58527, 58528, 58529, 58530, 58531, 58532	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
32	61501, 61502, 61503, 61504, 61505, 61506, 61517, 61518, 61519, 61525, 61526, 61621, 61622, 61623, 61624, 65302, 65303, 65304, 65306, 65307, 65308, 65309, 65310, 65330, 65331, 65332, 65519, 65955, 65956, 65958, 67493, 67494	Llaves hexagonales / *Hexagonal key wrenches*	-
8	57155, 57156, 57158, 57159, 57160, 57161, 57162, 60795	Llaves media luna / *Half moon spanners*	
1	61001	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
8	55326, 69521, 69601, 69612, 69614, 69618, 69622, 69681	Martillos / *Hammers*	-
1	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
	55265	Punta portavasos / *Socket holder bit*	
59	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53013, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53034, 53035, 53036, 53037, 53038, 53039, 53041, 53042, 53043, 53044, 53045, 53046, 53047, 53048, 53049, 53050, 55697, 55698, 55699, 55700, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 67164	Puntas atornilladoras con vaso / *Socket bits*	1/4"
48	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 55704, 55705, 55706, 55707, 55708, 66801, 66802, 66804, 66805, 66806, 66807, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66817, 66818, 67213, 67214		1/2"
1	66280	Puntas Stecker / *Magnetic Stecker*	1/4"
	69570	Sargentos / *Clamps*	-
2	62177, 62795	Tenazas / *Pincers*	
1	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51704	505	-	inch	-	50
51705		51039			120
51706		51117		●	175

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	65603	Agujas de trazar / *Scribers*	-
3	61442, 61444, 61445	Alargaderas / *Extensions*	1/4"
	61453, 61455, 61458		1/2"
4	62331, 62339, 62341, 62343	Alicates / *Pliers*	
8	62180, 62181, 62182, 62183, 62216, 62220, 62224, 62228	Alicates Circlips / *Circlips pliers*	-
	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62249	Alicates mini / *Mini Pliers*	
1	61435	Articulación universal / *Universal joint*	1/4"
	61437		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
1	66074	Buscapolos / *Voltage tester*	-
4	62847, 62849, 62853, 62854	Cinceles / *Chisels*	
1	69501	Cortadores / *Cutters*	
	66732	Destornillador portavasos / *Socket holder*	1/4"
3	55371, 66526, 66527	Destornilladores carroceros / *Stubby screwdrivers*	
8	55352, 55354, 55355, 55357, 55358, 55359, 55360, 55361	Destornilladores electricista / *Electrician screwdrivers*	
9	55328, 55330, 55331, 55332, 55333, 55334, 55335, 55337, 55338	Destornilladores mecánicos / *Slotted screwdrivers*	
18	55449, 55450, 55451, 55452, 55453, 55457, 66850, 66851, 66852, 66853, 66854, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
7	66437, 66438, 66439, 66440, 66441, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	-
	66456, 66457, 66458, 66459, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
11	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	65768	Escuadras / *Squares*	
7	61583, 61584, 61585, 61586, 61587, 61588, 61589	Extractores de tornillos / *Screw extractors*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65361	Flexómetros / *Measuring tapes*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
5	63714, 63715, 63717, 63718, 63719	Limas / *Files*	
11	60380, 60381, 60382, 60384, 60385, 60388, 60390, 60391, 67886, 67887, 67888	Llaves acodadas / *Double offset ring wrenches*	-
1	61110	Llaves ajustables / *Adjustable wrenches*	
30	58460, 58461, 58462, 58463, 58464, 58465, 58466, 58467, 60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60358, 67878, 67885, 67953, 67954	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62606		1/2"
7	68283, 68284, 68285, 68286, 68287, 68288, 68289	Llaves de gancho / *Hook spanners*	-
27	57165, 57166, 57167, 57168, 57169, 57170, 63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67689, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
26	57185, 57186, 57187, 60479, 60480, 60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60489, 60490, 60491, 60492, 60493, 60494, 60495, 60496, 60497, 60498, 67807, 67809, 67811		1/2"
4	57775, 57776, 57777, 57778	Llaves estrella planas / *Double ended flat ring spanners*	
25	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314, 60315, 67931, 67934, 67939, 67940, 67941, 67942, 67943, 67944, 67945	Llaves fijas / *Open-end wrenches*	
10	58537, 58538, 58539, 58540, 58541, 58542, 58543, 58544, 58545, 58546	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	
28	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 67671, 68900, 68901, 68902, 68903, 68904, 68905, 68906, 68907, 68908, 68909, 68910, 68911, 68912	Llaves hexagonales / *Hexagonal key wrenches*	
12	68914, 68915, 68916, 68917, 68918, 68919, 68920, 68921, 68922, 68923, 68924, 68925	Llaves hexagonales bola / *Hexagonal key wrenches ball type*	-
5	57148, 57149, 57150, 57151, 57152	Llaves media luna / *Half moon spanners*	
1	61001	Llaves Stillson / *Stillson pipe wrenches*	
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
7	55326, 69521, 69601, 69614, 69620, 69681, 69701	Martillos / *Hammers*	
1	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
	55265	Punta portavasos / *Socket holder bit*	1/4"
	61695	Puntas adaptadoras para vasos / *Adapter bits for sockets*	
	61697		1/2"
64	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53027, 53028, 53029, 53030, 53031, 53032, 53034, 53035, 53036, 53037, 53038, 53039, 53051, 53052, 53053, 53054, 53055, 53056, 53057, 53058, 53059, 53060, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742	Puntas atornilladoras con vaso / *Socket bits*	1/4"
10	55684, 56985, 56986, 56987, 56988, 56989, 56990, 56991, 56992, 56993		3/8"
64	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696, 56896, 56897, 66801, 66802, 66803, 66804, 66805, 66806, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66827, 66828, 66829		1/2"
1	65783	Punzón / *Awl*	
	65831	Reglas / *Rulers*	-
2	62177, 62795	Tenazas / *Pincers*	
1	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

428 PCS.

MM / INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68962		-		-	110
68963	428	51039	mm/inch		160
55766		50954 (2)		●	500

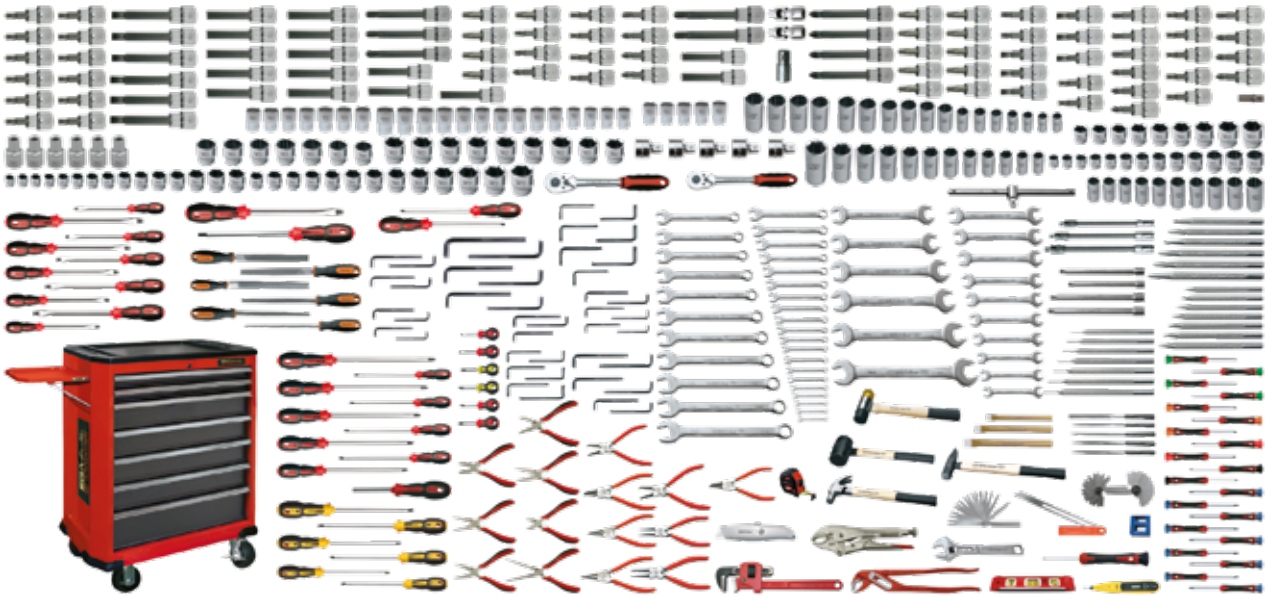
NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	-
27	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 76620, 76621, 76622, 76624, 76625, 76626, 76627, 66438, 66439, 66440, 66441, 66442, 76629, 76630, 66456, 66457, 66458, 66459, 66460	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
26	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750	Llaves combinadas / *Combination wrenches*	mm
17	60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356		inch
12	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61713	Llaves fijas / *Open-end wrenches*	mm
	60300, 60301, 60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312, 60313, 60314		inch
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61787	Llaves acodadas / *Double offset ring wrenches*	mm
	60380, 60381, 60382, 60383, 60384, 60386, 60389, 60390, 60391, 60392, 60393, 60394		inch
25	61960	Juego / *Set*	1/2", mm, 26 pcs
	61963		1/2", inch, 26 pcs
26	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886, 61887, 61888, 61889, 61890, 61891, 61892, 61893, 61894, 61895	Llaves de pipa / *Angled sockets*	-
23	65302, 65303, 65304, 65305, 65306, 65307, 65308, 65309, 65310, 65311, 65312, 65313, 65314, 61501, 61502, 61503, 61504, 61505, 61506, 61507, 61508, 61509, 61510	Llaves hexagonales / *Hexagonal keys*	mm
15	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329		inch
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
10	62331, 62332, 62333, 62339, 62340, 62341, 62342, 62343, 62344, 62349	Alicates / *Pliers*	
9	62241, 62242, 62243, 62244, 62245, 62246, 62247, 62248, 62249	Alicates mini / *Mini Pliers*	-
2	62135, 62134	Tenazas de canal / *Box joint pincers*	
1	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
3	69570, 69572, 69575	Sargentos G / *G Clamps*	-
1	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
10	60693	Juego de vasos impacto / *Impact socket sets*	mm
11	61267		inch
1	62124	Tenaza rusa / *Tower pincer*	9", 10"
2	62438, 62440	Tenaza carpintero / *Carpenter pincer*	
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	62493	Alicate de terminales / *Crimping pliers*	-
12	66846, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 57684, 57685, 66864, 66865	Juego destornilladores Microtronic / *Microtronic screwdriver set*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetros / *Measuring tape*	3m/10'
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	
1	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63119	Cortatubos cobre / *Cooper tube cutter*	42 mm
	63376	Rasqueta / *Scraper*	-
	63208	Cepillos / *Brushes*	
7	68172	Set curvatubos carraca / *Ratchet tube bender set*	mm
1	68001	Abocinador / *Pulg flaring tool*	inch
	63172	Cortatubos acero / *Steel tube cutter*	2"
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	-
	62200	Cortavarillas / *Bolt cutters*	8"
	69501	Cortadores / *Cutters*	
9	64615	Set sierra de coronas / *Bimetal hole saws set*	-
1	66073	Buscapolos / *Voltage tester*	

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

■ ≈ 400 PCS.

■ MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51707	413	-	mm	-	39
51708		51039			110
51709		50954		●	150

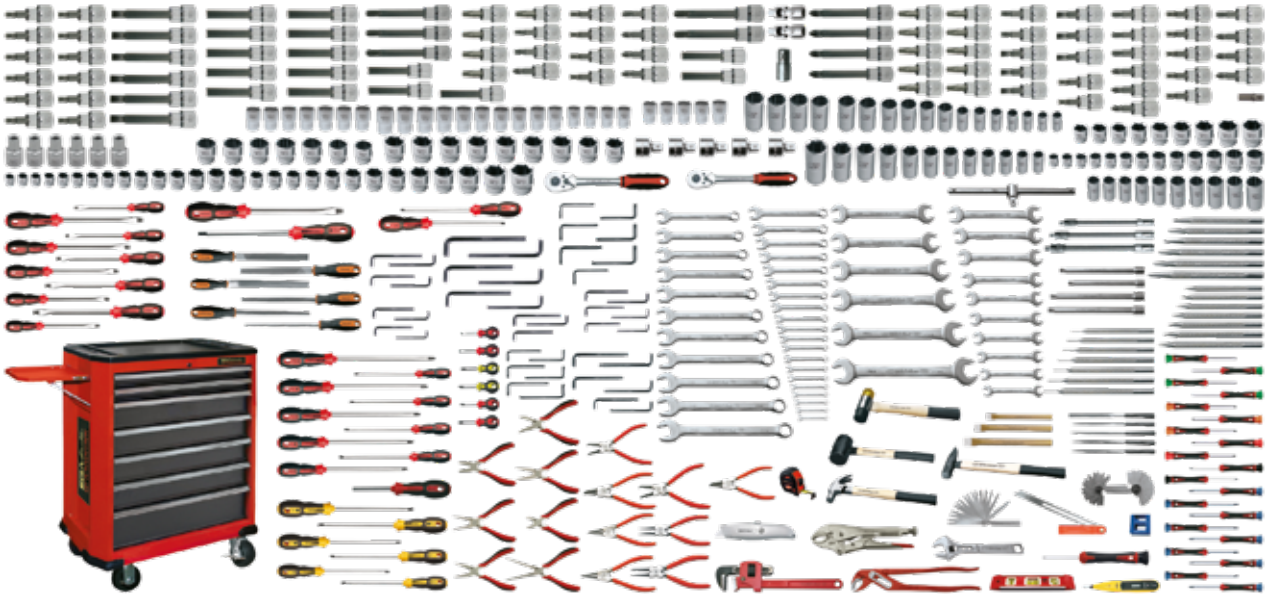
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
4	61442, 61443, 61444, 61445	Alargaderas / *Extensions*	1/4"
2	61455, 61458		1/2"
4	62331, 62339, 62341, 62343	Alicates / *Pliers*	
8	62180, 62181, 62182, 62183, 62216, 62220, 62224, 62228	Alicates Circlips / *Circlips pliers*	-
4	62241, 62242, 62246, 62247	Alicates mini / *Mini Pliers*	
1	61435	Articulación universal / *Universal joint*	1/4"
	61437		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	
1	66074	Buscapolos / *Voltage tester*	-
3	62847, 62849, 62853	Cinceles / *Chisels*	
1	69501	Cortadores / *Cutters*	
	66732	Destornillador portavasos / *Socket holder*	1/4"
4	66525, 66526, 66527, 66529	Destornilladores carroceros / *Stubby screwdrivers*	
10	66411, 66412, 66420, 66421, 66422, 66423, 66424, 66425, 66426, 66428	Destornilladores electricista / *Electrician screwdrivers*	
11	66399, 66400, 66401, 66402, 66403, 66404, 66405, 66406, 66407, 66408, 66448	Destornilladores mecánicos / *Slotted screwdrivers*	
20	57684, 66846, 66847, 66848, 66849, 66850, 66851, 66852, 66853, 66854, 57685, 66864, 66865, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
7	66437, 66438, 66439, 66440, 66441, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
	66456, 66457, 66458, 66459, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
2	66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	-
1	66492	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
	65768	Escuadras / *Squares*	
	65171	Flexómetros / *Measuring tapes*	
2	65559, 65571	Galgas / *Gauges*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
	63692, 63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	61112	Llaves ajustables / *Adjustable wrenches*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
31	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 63965, 63966, 63967, 67880, 67881	Llaves combinadas / *Combination wrenches*	-
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62606		1/2"
35	55813, 55814, 56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027, 63977, 63978, 63979, 63980, 63981, 63982, 63983, 63984, 63985, 63986, 63987, 67660, 67661, 67662, 67663, 67664, 67665, 67666, 67667, 67668, 67669, 67670	Llaves de vaso / *Socket wrenches*	1/4"
56	55795, 55796, 55797, 55798, 55799, 55800, 55801, 55802, 55803, 55804, 55811, 57179, 57180, 57181, 57182, 57183, 57184, 61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61401, 61402, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796		1/2"
14	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61712, 61713, 67917	Llaves fijas / *Open-end wrenches*	-
29	61501, 61502, 61503, 61504, 61505, 61506, 61517, 61518, 61519, 61525, 61526, 61621, 61622, 61623, 61624, 65302, 65303, 65304, 65306, 65307, 65308, 65330, 65331, 65332, 65519, 65955, 65956, 67493, 67494	Llaves hexagonales / *Hexagonal key wrenches*	
1	61001	Llaves Stillson / *Stillson pipe wrenches*	
11	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	61438	Mango correrizo en T / *Sliding "T" handle*	1/4"
4	55326, 69521, 69614, 69622	Martillos / *Hammers*	-
1	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
	55265	Punta portavasos / *Socket holder bit*	
53	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53013, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53041, 53042, 53043, 53044, 53045, 53046, 53047, 53048, 53049, 53050, 55697, 55698, 55699, 55700, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 67164	Puntas atornilladoras con vaso / *Socket bits*	1/4"
42	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53127, 53128, 53129, 53131, 53132, 53133, 53136, 53137, 53138, 55704, 55705, 55708, 66801, 66802, 66804, 66805, 66806, 66807, 66808, 66809, 66810, 66811, 66812, 66813, 66814, 66815, 66816, 66817, 66818, 67213, 67214		1/2"
2	62177, 62795	Tenazas / *Pincers*	-
1	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51710	414	-	inch	-	37
51711		51039			105
51712		50954		●	150

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65880	Adaptador para llaves de vaso / *Adapter for socket wrenches*	1/4"
2	65881, 65884		3/8"
	65882, 65885		1/2"
1	65603	Agujas de trazar / *Scribers*	-
3	61442, 61444, 61445	Alargaderas / *Extensions*	1/4"
	61453, 61455, 61458		1/2"
4	62331, 62339, 62341, 62343	Alicates / *Pliers*	-
8	62180, 62181, 62182, 62183, 62216, 62220, 62224, 62228	Alicates Circlips / *Circlips pliers*	
6	62241, 62242, 62243, 62245, 62246, 62247	Alicates mini / *Mini Pliers*	
1	61435	Articulación universal / *Universal joint*	1/4"
	61437		1/2"
14	63387, 63388, 63389, 63390, 63391, 63392, 63393, 63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores / *Punches*	-
1	66074	Buscapolos / *Voltage tester*	
2	62847, 62849	Cinceles / *Chisels*	
1	69501	Cortadores / *Cutters*	
	66732	Destornillador portavasos / *Socket holder*	1/4"
3	55371, 66526, 66527	Destornilladores carroceros / *Stubby screwdrivers*	-
8	55352, 55354, 55355, 55357, 55358, 55359, 55360, 55361	Destornilladores electricista / *Electrician screwdrivers*	
9	55328, 55330, 55331, 55332, 55333, 55334, 55335, 55337, 55338	Destornilladores mecánicos / *Slotted screwdrivers*	
19	55449, 55450, 55451, 55452, 55453, 55457, 55458, 66850, 66851, 66852, 66853, 66854, 66866, 66867, 66868, 66869, 66870, 66871, 66872	Destornilladores Microtronic / *Microtronic screwdrivers*	
7	66437, 66438, 66439, 66440, 66441, 66443, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
	66456, 66457, 66458, 66459, 66472, 66473, 67193	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
3	66530, 66531, 66532	Destornilladores Robertson / *Screwdrivers Robertson*	
11	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497	Destornilladores Tamper Torx / *Screwdrivers Tamper Torx*	
1	65768	Escuadras / *Squares*	
	65361	Flexómetros / *Measuring tapes*	
6	63429, 63430, 63431, 63432, 63433, 63434	Granetes / *Center punches*	
5	63714, 63715, 63717, 63718, 63719	Limas / *Files*	
1	61110	Llaves ajustables / *Adjustable wrenches*	
24	58460, 58461, 58462, 58463, 58464, 60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60351, 60352, 60353, 60354, 60356, 67878, 67885, 67953, 67954	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62606	Llaves de carraca reversible / *Reversible ratchet handles*	1/2"
21	63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67689, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
23	60479, 60480, 60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60489, 60490, 60491, 60492, 60493, 60494, 60495, 60496, 60497, 60498, 67807, 67809, 67811		1/2"
25	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314, 60315, 67931, 67934, 67939, 67940, 67941, 67942, 67943, 67944, 67945	Llaves fijas / *Open-end wrenches*	
28	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 67671, 68900, 68901, 68902, 68903, 68904, 68905, 68906, 68907, 68908, 68909, 68910, 68911, 68912	Llaves hexagonales / *Hexagonal key wrenches*	
12	68914, 68915, 68916, 68917, 68918, 68919, 68920, 68921, 68922, 68923, 68924, 68925	Llaves hexagonales bola / *Hexagonal key wrenches ball type*	
1	61001	Llaves Stillson / *Stillson pipe wrenches*	-
20	56544, 56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554, 56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Llaves Tamper Torx / *Tamper Torx keys*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
4	55326, 69601, 69614, 69620	Martillos / *Hammers*	
1	65158	Nivel magnético torpedo / *Torpedo Magnetic level*	
	55265	Punta portavasos / *Socket holder bit*	1/4"
	61695	Puntas adaptadoras para vasos / *Adapter bits for sockets*	
	61697		1/2"
64	53000, 53001, 53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53015, 53016, 53017, 53019, 53020, 53021, 53023, 53024, 53025, 53027, 53028, 53029, 53030, 53031, 53032, 53034, 53035, 53036, 53037, 53038, 53039, 53051, 53052, 53053, 53054, 53055, 53056, 53057, 53058, 53059, 53060, 55670, 55671, 55672, 55673, 55674, 55675, 55676, 55677, 55678, 55679, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742	Puntas atornilladoras con vaso / *Socket bits*	1/4"
7	56985, 56986, 56987, 56988, 56990, 56991, 56992		3/8"
41	53105, 53107, 53108, 53109, 53110, 53115, 53116, 53117, 53118, 53119, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696, 66801, 66802, 66803, 66804, 66805, 66806		1/2"
1	65783	Punzón / *Awl*	
	65831	Reglas / *Rulers*	-
2	62177, 62795	Tenazas / *Pincers*	
1	65846	Vaso adaptador para puntas / *Square drive bit retainer*	1/4"

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

290 PCS.

MM / INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
69774	290	-	mm/inch	-	26
69775		51075			75
69784				●	

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
3	62214, 62222, 62183	Alicates Circlips / *Circlips pliers*	
7	62340, 62342, 62344, 62333, 62337, 62346, 62338	Alicates / *Pliers*	
1	62494	Alicate de terminales / *Crimping pliers*	-
9	62651, 62653, 62654, 62655, 62656, 62657, 62659, 62660, 62662	Llaves combinadas de carraca / *Combination ratchet wrenches*	
6	62666, 62667, 62668, 62669, 62671, 62673		
13	60340, 60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	inch
14	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738		mm
1	65550	Galgas de espesores / *Feeler gauge*	
	69501	Cortadores / *Cutters*	
4	63429, 63431, 63432, 63436	Granetes / *Center punches*	
1	62828	Extractor / *Gear puller*	-
	62847	Cincel mecánico / *Flat cold chisel*	
7	63408, 63409, 63410, 63411, 63412, 63413, 63414	Botadores cónicos / *Taper punch*	
	63394, 63395, 63396, 63397, 63398, 63399, 63400	Botadores cilíndricos / *Pin punches*	
1	62707	Tenaza de canal / *Box joint*	
	61500	Juego llaves Allen / *Allen keys wrenches Set*	mm
	61516		inch
	61496	Juego llaves Allen bola / *Set of hexagonal key wrenches ball type*	mm
	61495		inch
4	66438, 66439, 66440, 66441	Destornilladores Phillips® / *Phillips® screwdrivers*	
3	66402, 66403, 66405	Destornilladores mecánicos / *Slotted screwdrivers*	
4	66420, 66422, 66423, 66425	Destornilladores electricistas / *Electrician screwdrivers*	
2	66457, 66458	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
33	66942	Juego puntas / *Bits set*	-
4	66733, 66734, 66735, 66736	Puntas atornilladoras con vaso planas / *Flat socket bits*	
3	66737, 66738, 66739	Puntas atornilladoras con vaso Phillips® / *Phillips® socket bits*	
5	66743, 66744, 66745, 66746, 66747	Puntas atornilladoras con vaso hexagonales / *Hexagonal socket bits*	
9	66748, 66749, 66750, 66751, 66752, 66753, 66754, 66755, 66756	Puntas atornilladoras con vaso Torx® / *Torx® socket bits*	
24	61791	Juego vasos / *Socket set*	mm/inch, 1/4", 24 pcs
42	61792		mm/inch, 3/8", 42 pcs
41	61793		mm/inch, 1/2", 41 pcs

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

213 PCS.

MM / INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
59148	213	-	mm/inch	-	28
59149		51674			70
59150		51025		●	80

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
5	62332, 62338, 62340, 62341, 62343	Alicates / *Pliers*	
4	62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
1	62091	Alicates tipo Ford / *Slip joint pliers*	
14	63394, 63395, 63396, 63397, 63398, 63399, 63400, 63422, 63423, 63424, 63425, 63426, 63427, 63428	Botadores / *Punches*	
1	62871	Buriles planos / *Crosscut chisels*	
	61578	Cepillo / *Brushes*	-
2	62849, 63472	Cinceles / *Chisels*	
1	66070	Destornillador buscapolos / *Voltage tester screwdriver*	
2	66937, 67190	Destornilladores carroceros / *Stubby screwdrivers*	
6	66874, 66875, 66877, 66879, 66881, 66882	Destornilladores mecánicos / *Slotted screwdrivers*	
5	66897, 66898, 66899, 66900, 67131	Destornilladores Phillips® / *Phillips® screwdrivers*	
7	66917, 66919, 66921, 66922, 66923, 66924, 66926	Destornilladores Torx® / *Screwdrivers Torx®*	
1	65172	Flexómetros / *Measuring tapes*	
10	61500	Juego llaves hexagonales / *Set hexagonal key wrenches*	mm
36	58720, 61963	Juego vasos / *Socket set*	1/2"
62	58691, 58695	Juego Vasos / *Socket set*	1/4"
5	63537, 63573, 63609, 63645, 63681	Limas / *Files*	-
12	60380, 60381, 60382, 60383, 60384, 60386, 60389, 60390, 60391, 60392, 60393, 60394	Llaves acodadas / *Double offset ring wrenches*	
17	60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356	Llaves combinadas / *Combination wrenches*	inch
12	60300, 60301, 60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312, 60313, 60314	Llaves fijas / *Open-end wrenches*	
2	55326, 69621	Martillos / *Hammers*	
1	65388	Navajas / *Penknifes*	
	65588	Recogedor telescópico / *Telescopic joint pick up*	-
3	62128, 62140, 62172	Tenazas / *Pincers*	
1	62170	Tijeras / *Tin snips*	
	69534	Tijeras electricista / *Electrician's scissors*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

191 PCS.

MM / INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68964	191	-	mm/inch	-	39
68965		51025			80
55767		50954		●	195

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229	Alicates Circlips / *Circlips pliers*	-
18	66400, 66401, 66403, 66407, 66408, 76621, 76622, 76624, 76625, 76626, 66439, 66440, 66441, 76629, 76630, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	Llaves combinadas / *Combination wrenches*	mm
	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354		inch
8	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	Llaves fijas / *Open-end wrenches*	mm
	60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312		inch
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782	Llaves acodadas / *Double offset ring wrenches*	mm
	60382, 60383, 60384, 60385, 60386, 60389, 60390, 60391		inch
17	61796	Juego llaves vaso / *Socket wrench set*	1/2", mm
	61798		1/2", inch
10	61503, 61504, 61505, 61506, 61508, 61509, 61510, 65307, 65308, 65310	Llaves hexagonales / *Hexagonal keys*	mm
	65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327		inch
5	63402, 63403, 63404, 63405, 63406	Botadores / *Punches*	
2	63178, 63179,	Cortafríos / *Chisel*	
4	62340, 62343, 62344, 62349	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	-
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
	69572	Sargentos G / *G Clamps*	
	62124	Tenaza rusa / *Tower pincer*	10"
2	62438, 62440	Tenaza carpintero / *Carpenter pincer*	
4	69529	Set 4 pinzas / *Set 4 tweezers*	-
1	62493	Alicate de terminales / *Crimping pliers*	
	65362	Flexómetros / *Measuring tape*	3 m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	63119	Cortatubos cobre / *Cooper tube cutter*	42 mm
	69501	Cortadores / *Cutters*	-
	66073	Buscapolos / *Voltage tester*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

181 PCS.
INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
59151	181	-	inch	-	45
59152		50950			140
59153				●	145

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
9	62299, 62300, 62337, 62338, 62346, 62349, 62495, 62498, 62500	Alicates / *Pliers*	-
4	62214, 62218, 62222, 62226	Alicates Circlips / *Circlips pliers*	
2	63299, 63742	Arcos de sierra / *Hack saws*	
8	63394, 63395, 126792, 63397, 63398, 63399, 63400, 63416	Botadores / *Punches*	
1	62871	Buriles planos / *Crosscut chisels*	
2	62847, 62848	Cinceles / *Chisels*	
1	63874	Cortadores / *Cutters*	
9	55373, 55374, 55375, 55376, 55378, 55379, 55380, 55382, 55383	Destornilladores de vaso / *Socket screwdrivers*	
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	
1	67021	Espátulas / *Scrapers*	
	65357	Flexómetros / *Measuring tapes*	
	63436	Granetes / *Center punches*	
5	61591	Juego de extractores de tornillos / *Set of screw extractors*	
4	67206	Juego de palancas boca curva / *Set of pry bars*	
1	61495	Juego llaves hexagonales bola / *Set hexagonal key wrenches ball type*	inch
25	61963	Juego vasos / *Socket set*	3/8"
14	61862		1/2"
16	61962		3/4"
1	62951	Llave dinamométrica reversible / *Reversible torque wrench*	1/4", 2,5-12 Nm
2	61111, 61112	Llaves ajustables / *Adjustable wrenches*	-
15	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354, 60355, 60356, 60357, 60358	Llaves combinadas / *Combination wrenches*	inch
6	62666, 62667, 62668, 62669, 62672, 62673	Llaves combinadas de carraca / *Combination ratchet wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
11	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430	Llaves de vaso / *Socket wrenches*	
12	60300, 60301, 60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312, 60313, 60314	Llaves fijas / *Open-end wrenches*	inch
2	61015, 61017	Llaves heavy duty / *Heavy duty wrenches*	-
1	61405	Llaves para tubo Mastergrip / *Mastergrip pipe wrenches*	
	57581	Llaves refinería para tubo y válvulas / *Refinery pipe and valve wrenches*	
3	69614, 69750, 72766	Martillos / *Hammers*	
1	65388	Navajas / *Penknifes*	
9	55682, 55683, 55684, 55685, 55686, 55687, 56990, 56991, 56992	Puntas atornilladoras con vaso / *Socket bits*	3/8"
1	69572	Sargentos / *Clamps*	-
	62172	Tenazas / *Pincers*	
2	62159, 62234	Tijeras / *Tin snips*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

171 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
55793	171	-	mm	-	22
55794		51025		●	70
69989					

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
12	66400, 66401, 66403, 66405, 66439, 66440, 66478, 66479, 66480, 66481, 66483, 66484	Destornilladores Mastertork: mecánico, Phillips®, Torx® / *Screwdrivers Mastertork: slotted, Phillips®, Torx®*
3	62332, 62339, 62343	Alicates Titacrom®: universal, telefonista y corte diagonal / *Pliers Titacrom®: combination, long nose, diagonal plier*
26	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750	Llaves combinadas cromado aeroespacial / *Aerospatial chrome plating combination wrenches*
46	61800, 61801, 61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61812, 61813, 61814, 61815, 61816, 61817, 61818, 61819, 61822, 61823, 61311, 61312, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321, 65044, 65045, 65046, 65047, 65048, 65049, 65050, 65051, 65052, 65053, 65054, 65055, 65056	Llaves de vaso / *Socket wrenches*
2	61438, 61440	Mango correrizo en T / *Sliding "T" handle*
4	61442, 61444, 61455, 61458	Alargadera / *Extension*
2	62603, 61431	Llave de carraca reversible / *Reversible ratchet handle*
	61435, 61437	Articulación universal / *Universal joint*
1	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*
15	58230, 58231, 58232, 58242, 58243, 58247, 58248, 58253, 58254, 58255, 58164, 58165, 58271, 58155, 58272	Puntas de destornillador Masterbit / *Masterbit bits*
3	61501, 61502, 61503	Llaves hexagonales / *Hexagonal keys*
1	66264	Adaptador portapuntas magnético / *Magnetic bit holder*
13	66733, 66734, 66735, 66737, 66738, 66740, 66741, 66748, 66750, 66751, 66752, 66753, 66755	Puntas atornilladoras con vaso / *Socket bits*
1	63742	Arco de sierra / *Hack Saw*
3	62169, 62170, 62171	Tijera articulada / *Aviation tin snip*
1	63876	Cortadores / *Cutters*
3	63178, 63179, 63180	Cortafríos / *Chisel*
6	63394, 63395, 63396, 63397, 63398, 63399	Botador / *Pin punch*
1	69621	Martillo alemán / *German type machinist's hammer*
	55326	Maceta de nylon / *Nylon hammer*
11	63498, 63570, 63606, 63642, 63678, 63714, 63715, 63716, 63717, 63718, 63719	Limas / *Files*
4	62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*
1	62172	Tenaza Grip / *Grip plier*
	61944	Llave ajustable / *Adjustable wrench*
	62707	Tenaza de canal / *Box joint*
	69534	Tijera electricista / *Electrician´s scissors*
	62494	Tenaza para engastar / *Crimping plier*
	62151	Tenaza cortacables / *Cable cutters*
	65167	Flexómetro / *Measuring tape*
	65293	Nivel trapezoidal profesional / *Professional bridge type spirit level*
	65480	Calibre / *Caliper*
	66073	Buscapolos / *Voltage tester*

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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110 PCS.

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
59145	110	-	inch	-	11
59146		51674			50
59147				●	55

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65884	Adaptador para llaves de vaso / *Adapter for socket wrenches*	3/8"
	65603	Agujas de trazar / *Scribers*	-
2	61442, 61444	Alargaderas / *Extensions*	1/4"
	61447, 61459		3/8"
	62344, 62499	Alicates / *Pliers*	-
1	62091	Alicates tipo Ford / *Slip joint pliers*	
	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"
	61409	Berbiquí / *Speeder Handle*	
2	66937, 66938	Destornilladores carroceros / *Stubby screwdrivers*	
4	66876, 66878, 66880, 66882	Destornilladores mecánicos / *Slotted screwdrivers*	
1	66901	Destornilladores Phillips® / *Phillips® screwdrivers*	-
	66843	Destornilladores portapuntas / *Bitholder screwdrivers*	
	65570	Galgas / *Gauges*	
10	61495	Juego llaves hexagonales bola / *Set hexagonal key wrenches ball type*	
2	63289, 63290	Llave de carraca doble Mastergear / *Mastergear double ratchet wrench*	inch
13	60340, 60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 67878	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62604		3/8"
20	63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
24	60439, 60440, 60442, 60443, 60444, 60445, 60447, 60448, 60449, 60450, 60451, 60452, 67750, 67751, 67752, 67753, 67754, 67755, 67757, 67758, 67759, 67760, 67761, 67762		3/8"
5	57288, 57289, 57290, 57291, 57292	Llaves de vaso articuladas / *Universal sockets*	1/4"
6	58544, 58545, 58546, 58547, 58548, 58549	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	inch
1	65875	Mango articulado / *Swivel handle*	3/8"
	61439	Mango correrizo en T / *Sliding "T" handle*	
2	69614, 69750	Martillos / *Hammers*	-
1	55685	Puntas atornilladoras con vaso / *Socket bits*	3/8"
2	62106, 62178	Tenazas / *Pincers*	-

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
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109 PCS.

INCH





COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
59154	109	58609	inch	●	30

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	65884	Adaptador para llaves de vaso / *Adapter for socket wrenches*	3/8"
	65603	Agujas de trazar / *Scribers*	-
2	61442, 61444	Alargaderas / *Extensions*	1/4"
	61447, 61459		3/8"
	62344, 62499	Alicates / *Pliers*	-
1	62091	Alicates tipo Ford / *Slip joint pliers*	
	61435	Articulación universal / *Universal joint*	1/4"
	61436		3/8"
	61409	Berbiquí / *Speeder Handle*	
2	66937, 66938	Destornilladores carroceros / *Stubby screwdrivers*	-
4	66876, 66878, 66880, 66882	Destornilladores mecánicos / *Slotted screwdrivers*	
1	66901	Destornilladores Phillips® / *Phillips® screwdrivers*	
	66843	Destornilladores portapuntas / *Bitholder screwdrivers*	
	65570	Galgas / *Gauges*	
10	61495	Juego llaves hexagonales bola / *Set hexagonal key wrenches ball type*	inch
1	63290	Llave de carraca doble Mastergear / *Mastergear double ratchet wrench*	
13	60340, 60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 67878	Llaves combinadas / *Combination wrenches*	
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
	62604		3/8"
20	63989, 63990, 63991, 63992, 63993, 63994, 63995, 63996, 63997, 63998, 67690, 67691, 67692, 67693, 67694, 67695, 67696, 67697, 67698, 67699	Llaves de vaso / *Socket wrenches*	1/4"
24	60439, 60440, 60442, 60443, 60444, 60445, 60447, 60448, 60449, 60450, 60451, 60452, 67750, 67751, 67752, 67753, 67754, 67755, 67757, 67758, 67759, 67760, 67761, 67762		3/8"
5	57288, 57289, 57290, 57291, 57292	Llaves de vaso articuladas / *Universal sockets*	1/4"
6	58544, 58545, 58546, 58547, 58548, 58549	Llaves fijas micromecánicas a 15º y 75º / *15º and 75º micromech open end wrenches*	inch
1	65875	Mango articulado / *Swivel handle*	3/8"
	61439	Mango correrizo en T / *Sliding "T" handle*	
2	69614, 69750	Martillos / *Hammers*	-
1	55685	Puntas atornilladoras con vaso / *Socket bits*	3/8"
2	62106, 62178	Tenazas / *Pincers*	-

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

JUEGOS MANTENIMIENTO INDUSTRIAL / *INDUSTRIAL MAINTENANCE SETS* / SETS DE MAINTENANCE INDUSTRIELLE / *INDUSTRIELLE INSTANDHANLTUNG SETS* / KIT MANUTENZIONE INDUSTRIALE / *JOGOS DE MANUTENÇÃO INDUSTRIAL* / ИНДУСТРИАЛЬНЫЕ НАБОРЫ

299 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68966	299	-	mm	-	65
68967		51039			115
55768		57060		●	320

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	-
27	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 76620, 76621, 76622, 76624, 76625, 76626, 76627, 66438, 66439, 66440, 66441, 66442, 76629, 76630, 66456, 66457, 66458, 66459, 66460	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
26	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750	Llaves combinadas / *Combination wrenches*	mm
12	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61713	Llaves fijas / *Open-end wrenches*	
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61787	Llaves acodadas / *Double offset ring wrenches*	
25	61960	Juego / *Set*	1/2", mm, 26 pcs
12	61872, 61874, 61875, 61877, 61878, 61881, 61883, 61886, 61888, 61891, 61894, 61895	Llaves de pipa / *Angled sockets*	mm
14	61501, 61502, 61503, 61504, 61505, 61506, 61508, 61509, 61510, 65307, 65308, 65310, 65311, 65313	Llaves hexagonales / *Hexagonal keys*	
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores / *Punches*	-
2	63178, 63179	Cortafríos / *Chisel*	
10	62331, 62332, 62333, 62339, 62340, 62341, 62342, 62343, 62344, 62349	Alicates / *Pliers*	
2	62135, 62134	Tenazas de canal / *Box joint pincers*	
1	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
29	61958	Juego vasos / *Socket set*	1/4"
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	-
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	-
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
2	69571, 69574	Sargentos G / *G Clamps*	
1	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
10	60693	Juego de vasos impacto / *Impact socket sets*	-
1	62124	Tenaza rusa / *Tower pincer*	10"
4	69529	Set 4 pinzas / *Set 4 tweezers*	-
1	62493	Alicate de terminales / *Crimping pliers*	
11	65089, 65090, 65091, 65092, 65093, 65095, 65096, 65098, 65099, 65100, 65102	Llaves de carraca para racores	
6	66999	Juego destornilladores Microtronic / *Microtronic screwdriver set*	
1	65172	Flexómetro Rallye II / *Rallye II Measuring tape*	3 m/16 mm
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	-
1	65595	Recogedor telescópico / *Telescopic joing pick up*	
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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286 PCS.

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68968	286	-	inch	-	55
68969		51039			105
55769		51117		●	310

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	-
27	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 76620, 76621, 76622, 76624, 76625, 76626, 76627, 66438, 66439, 66440, 66441, 66442, 76629, 76630, 66456, 66457, 66458, 66459, 66460	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
17	60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356	Llaves combinadas / *Combination wrenches*	inch
12	60300, 60301, 60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312, 60313, 60314	Llaves fijas / *Open-end wrenches*	
	60380, 60381, 60382, 60383, 60384, 60386, 60389, 60390, 60391, 60392, 60393, 60394	Llaves acodadas / *Double offset ring wrenches*	
25	61963	Juego / *Set*	1/2", inch, 25 pcs
5	65113, 65114, 65115, 65116, 65117	Llaves de estrella carraca / *Ratchet wrench*	-
15	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329	Llaves hexagonales / *Hexagonal keys*	inch
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores / *Punches*	-
2	63178, 63179	Cortafríos / *Chisel*	
10	62331, 62332, 62333, 62339, 62340, 62341, 62342, 62343, 62344, 62349	Alicates / *Pliers*	
2	62135, 62134	Tenazas de canal / *Box joint pincers*	
1	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
29	61961	Juego vasos / *Socket set*	1/4", inch
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	-
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	69534	Tijera electricista / *Electrician´s scissors*	
	65485	Calibre / *Caliper*	
2	69571, 69574	Sargentos G / *G Clamps*	
1	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
11	61267	Juego de vasos impacto / *Impact socket sets*	
1	62124	Tenaza rusa / *Tower pincer*	10"
4	69529	Set 4 pinzas / *Set 4 tweezers*	-
1	62493	Alicate de terminales / *Crimping pliers*	
11	62666, 62667, 62668, 62669, 62670, 62671, 62672, 62673, 62674, 62675, 62676	Llave Mastergear / *Mastergear Wrench*	
6	66999	Juego destornilladores Microtronic / *Microtronic screwdriver set*	
1	65172	Flexómetro Rallye II / *Rallye II Measuring tape*	3 m/16 mm
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	-
1	65595	Recogedor telescópico / *Telescopic joing pick up*	
	65586	Espejo articulado / *Joint telescopic mirror*	
	65773	Regla / *Ruler*	300 mm

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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152 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68970	152	-	mm	-	35
68971		51025			85
55770		50954		●	190

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229	Alicates Circlips / *Circlips pliers*	-
18	66400, 66401, 66403, 66407, 66408, 76621, 76622, 76624, 76625, 76626, 66439, 66440, 66441, 76629, 76630, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	Llaves combinadas / *Combination wrenches*	mm
8	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	Llaves fijas / *Open-end wrenches*	
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782	Llaves acodadas / *Double offset ring wrenches*	
25	61960	Juego / *Set*	1/2", mm, 25 pcs
10	61503, 61504, 61505, 61506, 61508, 61509, 61510, 65307, 65308, 65310	Llaves hexagonales / *Hexagonal keys*	mm
5	63402, 63403, 63404, 63405, 63406	Botadores / *Punches*	-
2	63178, 63179	Cortafríos / *Chisel*	
6	62332, 62340, 62342, 62343, 62344, 62349	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	-
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	-
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre Caliper / *Vernier caliper*	
2	69571, 69574	Sargentos G / *G Clamps*	
1	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	62124	Tenaza rusa / *Tower pincer*	10"
4	69529	Set 4 pinzas / *Set 4 tweezers*	-
1	62493	Alicate de terminales / *Crimping pliers*	
	65172	Flexómetro Rallye II / *Rallye II Measuring tape*	3 m/16 mm
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	-
1	65595	Recogedor telescópico / *Telescopic joing pick up*	
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68972	152	-	inch	-	33
68973		51025			85
55771		50954		●	130

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229	Alicates Circlips / *Circlips pliers*	-
18	66400, 66401, 66403, 66407, 66408, 76621, 76622, 76624, 76625, 76626, 66439, 66440, 66441, 76629, 76630, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
12	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	inch
8	60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312	Llaves fijas / *Open-end wrenches*	
	60382, 60383, 60384, 60385, 60386, 60389, 60390, 60391	Llaves acodadas / *Double offset ring wrenches*	
25	61963	Juego / *Set*	1/2", inch, 25 pcs
10	65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327	Llaves hexagonales / *Hexagonal keys*	inch
5	63402, 63403, 63404, 63405, 63406	Botadores / *Punches*	-
2	63178, 63179	Cortafríos / *Chisel*	
6	62332, 62340, 62342, 62343, 62344, 62349	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
	62963	Llave dinamométrica / *Torque wrench*	1/2", 40-200 nm
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	-
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	-
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	69534	Tijera electricista / *Electrician´s scissors*	
	65485	Calibre / *Caliper*	
2	69571, 69574	Sargentos G / *G Clamps*	
1	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	62124	Tenaza rusa / *Tower pincer*	10"
4	69529	Set 4 pinzas / *Set 4 tweezers*	-
1	62493	Alicate de terminales / *Crimping pliers*	
	65172	Flexómetro Rallye II / *Rallye II Measuring tape*	3 m/16 mm
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	-
1	65595	Recogedor telescópico / *Telescopic joing pick up*	
	65586	Espejo articulado / *Joint telescopic mirror*	
	65773	Regla / *Ruler*	300 mm

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JUEGO AERONÁUTICA / *AVIATION SET* / SET AÉRONAUTIQUE / *WERKZEUG SET FÜR LUFTFAHRT* / KIT PER AEREONAUTICA / *JOGO AERONÁUTICA* / АВИАЦИОННЫЙ НАБОР

158 PCS.

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68974	158	-	inch	-	21
68975		51039			70
55772				●	

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
10	63380, 63381, 63382, 63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores / *Punches*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
12	66874, 66875, 66877, 66880, 66883, 66885, 66897, 66898, 66899, 66938, 66901, 66902,	Destornilladores Rotork / *Rotork Screwdrivers*	
1	65479	Calibre / *Caliper*	-
	61112	Llave ajustable / *Adjustable wrench*	
	62135	Tenazas de canal / *Box joint pincers*	
11	56223, 65369, 65370, 65371, 65373, 65375, 65377, 65378, 65380, 65381, 57598	Set dinamométrica / *Reversible torque wrench set*	
4	62333, 62343, 62337, 62339	Alicates / *Pliers*	
11	62695, 62696, 62697, 62698, 62699, 62700, 62701, 62702, 62703, 62704, 62705	Llaves de Mastergear Spline / *Spline Mastergear wrenches*	
15	60380, 60381, 60382, 60383, 60384, 60385, 60386, 60387, 60388, 60389, 60390, 60391, 60392, 60393, 60394	Llaves acodadas / *Double offset ring wrenches*	inch
14	60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	
33	61963	Juego de vasos / *Socket set*	1/2"
1	63748	Arco de sierra / *Hack Saw*	-
12	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325	Llaves hexagonales / *Hexagonal keys*	inch
1	69501	Cortadores / *Cutters*	-
	65362	Flexómetros / *Measuring tape*	3 m/10'
2	69619, 55326	Martillos / *Hammers*	
1	65595	Recogedor telescópico / *Telescopic joing pick up*	
	65550	Galga de espesores / *Feeler gauge*	
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	69534	Tijera electricista / *Electrician´s scissors*	-
3	62178, 62135, 62136	Tenazas Grip / *Grip pincers*	
1	65586	Espejo articulado / *Joint telescopic mirror*	
	62188	Tijera aviación articulada reforzada / *Reinforced aviation tin snips*	
	62136	Tenaza de sifón / *Syphon plier*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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129 PCS.

MM/INCH



COD.	PCS.			Medidas en / *Sizes in* / Mesures en	Kg
69004	129	50995	50986	mm/inch	20

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botador / *Pin punch*	-
1	63437	Granete / *Center punches*	
28	58688, 58702	Juegos llaves de vaso / *Socket wrench set*	1/4" & 3/8", inch
23	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430, 60440, 60441, 60442, 60443, 60444, 60445, 60446, 60447, 60448, 60449, 60450, 60451	Llaves de vaso / *Socket wrenches*	
13	58537, 58538, 58539, 58540, 58541, 58542, 58543, 58544, 58545, 58546, 58547, 58548, 58549	Llaves fijas micromecánica / *Micromech open end wrenches*	inch
5	57288, 57289, 57290, 57291, 57292	Llaves de vaso articuladas / *Universal socket*	1/4", inch
4	60340, 60341, 67878, 67954	Llaves combinadas / *Combination wrenches*	inch
1	62129	Tenaza de canal / *Box joint pincer*	-
	62090	Alicate tipo Ford / *Slip joint plier*	
6	62247, 62332, 62339, 62340, 62343, 62540	Alicates / *Pliers*	
1	62624	Alicate trenzador de alambre / *Wire twist plier*	
6	61442, 61443, 61444, 61447, 61450, 61459	Alargaderas / *Extensions*	1/4" & 3/8", inch
2	55327, 69704	Martillos / *Hammers*	-
3	62169, 62170, 62171	Tijeras / *Snips*	
2	61435, 61436	Articulaciones universales / *Universal joints*	1/4" & 3/8", inch
	62603, 62604	Llaves de carraca reversibles / *Reversible ratchet handles*	1/4" & 3/8"
10	61516	Juego llaves allen / *Set of hexagonal key wrenches*	inch
2	63536, 63572	Limas / *Files*	-
1	65570	Galgas de espesores / *Feeler gauge*	
	65586	Espejo telescópico / *Telescopic joint mirror*	
	65588	Recogedor telescópico / *Telescopic joint pick up*	
	65603	Aguja de trazar / *Scriber*	
	65836	Regla métrica INOX / *Stainless steel ruler*	600 mm
	58241	Punta Phillips® / *Phillips® bit*	-
	66937	Destornillador carrocero Rotork / *Rotork stubby screwdriver*	
	63742	Arco de sierra / *Hack Saw*	
	79598	Linterna MasterEx / *MasterEx flashlight*	
	61577	Cepillo INOX / *Stainless steel universal brush*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
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JUEGOS AUTOMOCIÓN / *SETS FOR AUTOMOTIVE* / SETS AUTOMOBILE / *SETS FÜR AUTOMOTIVE* / SET RIPARAZIONE / *JOGOS PARA SETOR AUTOMÓVEL* / НАБОР ДЛЯ АВТОМОБИЛЕЙ

364 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51668	364	-	mm	-	46
51669		50954			155
51670				●	160

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
54	53000, 53001 ,53002, 53003, 53004, 53005, 53006, 53007, 53008, 53009, 53010, 53011, 53013, 53015, 53016, 53017, 53019, 53021, 53023, 53024, 53025, 53034, 53035, 53036, 53037, 53038, 53039, 53041, 53042, 53043, 53044, 53045, 53046, 55697, 55698, 55699, 55700, 58900, 66733, 66734, 66735, 66736, 66737, 66738, 66739, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747, 67164	Puntas atornilladoras con vaso / *Socket bits*	1/4"
73	53105, 53107, 53108, 53109, 53110, 53120, 53121, 53122, 53123, 53124, 53125, 53127, 53128, 53129, 53131, 53132, 53133, 53134, 53136, 53137, 53138, 53139, 53149, 53150, 53151, 53152, 53153, 53154, 53155, 53156, 53157, 53158, 53159, 55705, 55706, 55707, 55708, 56896, 65985, 65986, 65987, 65988, 65989, 65990, 65991, 65992, 65993, 66802, 66803, 66804, 66805, 66806, 66812, 66813, 66814, 66816, 66817, 66818, 66819, 66820, 66821, 66822, 66823, 66824, 66825, 66826, 66828, 66829, 66830, 66842, 67213, 67214, 66827		1/2"
26	56015, 56017, 56018, 56020, 57165, 57166, 57167, 57168, 57169, 57170, 61311, 61312, 61313, 61314, 61315, 61322, 63974, 63975, 67640, 67641, 67642, 67643, 67644, 67645, 67647	Llaves de vaso / *Socket wrenches*	1/4"
56	55795, 55796, 55797, 55798, 55801, 57180, 57181, 57182, 57183, 57184, 57185, 57186, 57187, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61401, 61402, 61403, 67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789, 67791, 67792, 67793, 67794, 67795, 67796, 67797, 67798, 67799, 67800		1/2"
2	61462, 61463	Llaves de vaso para bujías / *Spark plug sockets*	
5	57410, 57411, 57413, 62603, 62606	Llaves de carraca reversibles / *Reversible ratchet handles*	
25	61530, 61531, 61532, 61533, 61534, 61535, 61536, 61537, 61538, 61539, 61540, 61541, 62710, 62711, 62712, 62713, 62714, 62715, 62716, 62717, 62718, 62719, 62720, 62721	Llaves combinadas de carraca / *Combination ratchet wrenches*	
9	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709	Llaves fijas / *Open-end wrenches*	-
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783	Llaves acodadas / *Double offset ring wrenches*	
5	60785, 60786, 60788, 60789, 60790	Llaves para racores / *Flare nut wrenches*	
	62734, 62735, 62736, 62737, 62738	Llaves E-Torx® / *E-Torx® wrenches*	
	61442, 61443, 61444, 61445, 62731	Alargaderas / *Extensions*	1/4"
	61453, 61455, 61458, 61464, 62119		1/2"
4	62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
1	51215	Alicate para cables de bujía / *Spark plug lead plier*	
3	51219, 51220, 51221	Alicates para manguitos / *Hose clamps*	
1	62591	Alicate para terminales aislados / *Plier for insulated terminals*	
	62594	Alicate para unión de cables aislados y no aislados / *Plier for cable links insulated and no insulated*	
7	62332, 62337, 62340, 62342, 62343, 62344, 63955	Alicates / *Pliers*	
1	61580	Cepillo soldadura / *Soldering brush*	
2	62169, 62171	Tijeras articuladas / *Aviation tin snips*	-
3	62172, 62178, 62485	Tenazas Grip / *Grip pincers*	
2	62706, 62707	Tenazas de canal / *Box joint pincers*	
1	56184	Tenazas axiales / *Axial grip pliers*	
5	63533, 63569, 63605, 63606, 63677	Limas / *Files*	
	67195	Rasqueta para juntas / *Gasket scraper*	
	51227	Palanca para desmontar neumáticos / *Tyre-removers*	
	51230	Herramienta para extracción de clips / *Fastener removal tool*	
	61408	Berbiquí / *Speeder handle*	1/4"
	61434		1/2"
	63299	Arco de sierra / *Hack saws*	
1	63874	Cortadores / *Cutters*	
	63862	Pelacables / *Cable stripper*	
	65165	Flexómetro Robust Bimat / *Robust Bimat Measuring tape*	-
	65480	Calibre pie de rey / *Vernier Caliper*	
	65491	Calibre de profundidad / *Depth gauge*	
	65568	Galgas de espesores / *Feeler gauge*	
	65774	Regla / *Ruler*	300 mm
	65820	Goniómetro / *Protactor*	
24	66487, 66488, 66489, 66490, 66491, 66492, 66493, 66494, 66495, 66496, 66497, 66731, 66732, 66874, 66875, 66877, 66878, 66881, 66882, 66887, 66897, 66898, 66899, 66900	Destornilladores mecánico, portavasos, portapuntas, electricista,Phillips®, Torx® / *Slotted, socket holder, bitholder, electrician, Phillips®, Torx® screwdrivers*	-
3	58239, 58244, 58265	Puntas de destornillador Masterbit / *Masterbit bits*	
4	55265, 65846, 65884	Adaptadores / *Adapters*	1/4"
2	65880, 65885		3/8"
	65881	Adaptador / *Adapter*	1/2"
	61435	Articulación universal / *Universal joint*	
	61438	Mango corredizo / *Sliding -T- handle*	1/4"
1	65874	Mango articulado / *Swivel handle*	
	61484	Mango articulado telescópico / *Telescopic swivel handle*	1/2"
	63468	Granete con mago / *Center punch with handle*	-
	65589	Recogedor telescópico articulado / *Telescopic joint pick up*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ID 0910098048
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158 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
51665	158	-	mm	-	17
51666		50977		●	90
51667					

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	55327	Martillo nylon mango Hickory / *Nylon hammer Hickory handle*	-
6	53013, 66743, 66744, 66745, 66746, 66747	Puntas atornilladoras con vaso hexagonales / *Hexagonal socket bits*	1/4"
23	58155, 58156, 58157, 58160, 58163, 58164, 58165, 58188, 58253, 58254, 58255, 58257, 58258, 58272, 58284, 58286, 58287, 58290, 58292, 58293, 58295, 58296, 58297	Puntas de destornillador Masterbit / *Masterbit bits*	-
14	60423, 61311, 61312, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321, 63974, 63975	Llaves de vaso / *Socket wrenches*	1/4"
19	61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61812, 61813, 61814, 61815, 61816, 61818, 61819, 61822, 61823		1/2"
22	60952, 61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61743, 61746, 61749, 61750	Llaves combinadas / *Combination wrenches*	
7	61775, 61776, 61777, 61778, 61779, 61780, 61781	Llaves acodadas / *Double offset ring wrenches*	
4	62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
3	62332, 62339, 62343	Alicates / *Pliers*	
1	69621	Martillo alemán / *German type machinist's hammer*	-
	69502	Cortadores / *Cutters*	
	64005	Cuchilla / *Blade*	
	65172	Flexómetro / *Measuring tape*	
	61580	Cepillo soldadura / *Soldering brush*	
	61435	Articulación universal / *Universal joint*	1/4"
	61437		1/2"
	61438	Mango corredizo en T / *Sliding T handle*	1/4"
	61440		1/2"
2	61442, 61444	Alargaderas / *Extensions*	1/4"
	61455, 61458		1/2"
1	62128	Tenaza de canal / *Box joint pincer*	-
	62172	Tenaza Grip / *Grip pincer*	
	62603	Llave de carraca reversible / *Reversible ratchet handle*	1/4"
	62606		1/2"
9	63394, 63395, 63396, 63397, 63398, 63399, 63408, 63409, 63410	Botadores / *Punches*	
3	62849, 63309, 63311	Cinceles / *Chisels*	
1	62871	Buril plano / *Crosscut chisel*	
	63437	Granete / *Center punch*	-
5	63498, 63570, 63606, 63642, 63678	Limas / *Files*	
1	65591	Recogedor telescópico / *Telescopic joint pick up*	
22	66571, 66572, 66573, 66574, 66575, 66732, 66886, 66887, 66888, 66890, 66892, 66897, 66898, 66899, 66919, 66921, 66922, 66923, 66924, 66926, 66937, 67190	Destornilladores T-Mastertork, portavasos, electricistas,Phillips®, Torx®, carroceros / *T-Mastertork, socket holder, electrician, Phillips®, Torx®, Stubby screwdrivers*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
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JUEGOS MECÁNICA / *SETS FOR MECHANICS* / SETS DE MÉCANICIENS / *WERKZEUG SETS FÜR MECHANIKER* / KIT MECCANICA / *JOGO DE MECÂNICA* / МЕХАНИЧЕСКИЕ НАБОРЫ

419 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68976	419	-	mm	-	125
68977		50950			220
55773		51074		●	550

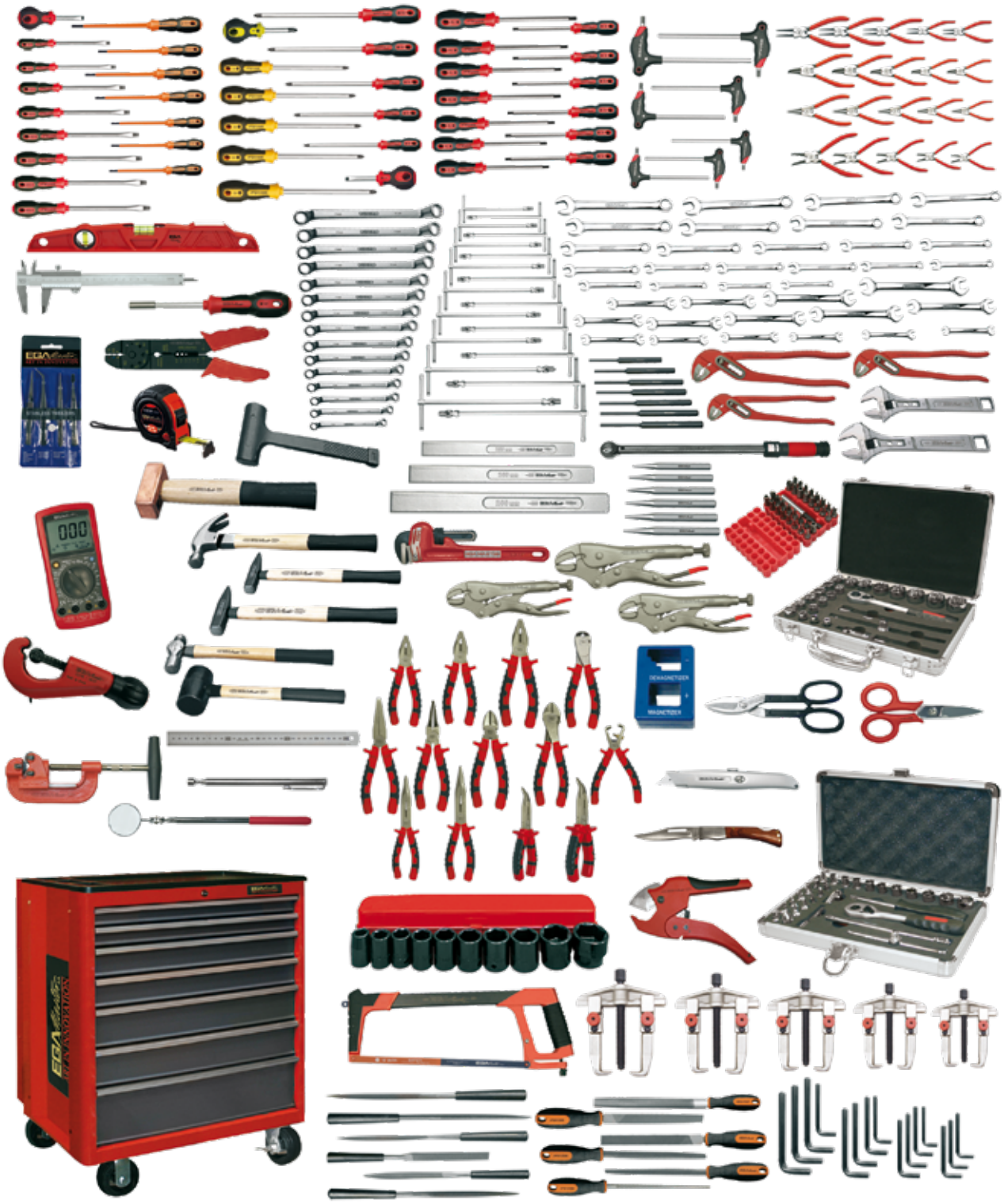
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Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
9	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 66525	Destornilladores mecánicos / *Slotted screwdrivers*	
7	76620, 76621, 76622, 76624, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	
6	66438, 66439, 66440, 66441, 66442, 66526	Destornilladores Phillips® / *Phillips® screwdrivers*	
	66456, 66457, 66458, 66459, 66460, 66527	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
13	66474, 66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	-
16	69870	Set reversible Mastergear / *Set rev. Mastergear*	
13	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831, 61832, 61833, 61834, 61835, 61836	Llaves de tubo doble boca / *Socket double ended wrench*	
18	61840, 61841, 61842, 61843, 61844, 61845, 61846, 61847, 61848, 61849, 61850, 61851, 61852, 61853, 61854, 61855, 61856, 61858	Llaves articuladas en T / *T-handle wrenches with universal joint*	
32	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 60951, 60952, 60953, 60954, 60955, 60956	Llaves combinadas / *Combination wrenches*	
14	61701, 61702, 61703, 61704, 61705, 61706, 61700, 61707, 61708, 61709, 61710, 61711, 61712, 61713	Llaves fijas / *Open-end wrenches*	mm
16	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 61788, 61789, 61790	Llaves acodadas / *Double offset ring wrenches*	
25	61960	Juego / *Set*	
26	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886, 61887, 61888, 61889, 61890, 61891, 61892, 61893, 61894, 61895	Llaves de pipa / *Angled sockets*	1/2", mm, 26 pcs
23	65302, 65303, 65304, 65305, 65306, 65307, 65308, 65309, 65310, 65311, 65312, 65313, 65314, 61501, 61502, 61503, 61504, 61505, 61506, 61507, 61508, 61509, 61510	Llaves hexagonales / *Hexagonal keys*	mm
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
13	62331, 62332, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62344, 62345, 62349	Alicates / *Pliers*	-
3	62133, 62135, 62134	Tenazas de canal / *Box joint pincers*	
2	61112, 61114	Llave ajustable / *Adjustable wrench*	
5	62586, 62587, 62588, 62589, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
29	61958	Juego vasos / *Socket set*	1/4", mm
1	62963	Llave dinamométrica / *Torque wrench*	1/2" 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
10	60693	Juego de vasos impacto / *Impact socket sets*	mm
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	62493	Alicate de terminales / *Crimping pliers*	-
11	65089, 65090, 65091, 65092, 65093, 65095, 65096, 65098, 65099, 65100, 65102	Llaves de carraca para racores / *Ratcheting ring wrench*	
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetro / *Measuring tape*	3 m, mm/inch
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	
1	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63119	Cortatubos cobre / *Cooper tube cutter*	42 mm
	63172	Cortatubos acero / *Steel tube cutter*	2"
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
	69501	Cortadores / *Cutters*	-
	51259	Multímetro digital para automóviles / *Automotive digital multimeter*	
	65388	Navaja / *Penknife*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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337 PCS.

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68978	337	-	inch	-	85
68979		50950			180
55774		51117, 51039		●	340

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
9	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 66525	Destornilladores mecánicos / *Slotted screwdrivers*	
7	76620, 76621, 76622, 76624, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	
5	66438, 66439, 66440, 66441, 66442, 66526	Destornilladores Phillips® / *Phillips® screwdrivers*	-
	66456, 66457, 66458, 66459, 66460, 66527	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
13	66474, 66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	
18	61840, 61841, 61842, 61843, 61844, 61845, 61846, 61847, 61848, 61849, 61850, 61851, 61852, 61853, 61854, 61855, 61856, 61858	Llaves articuladas en T / *T-handle wrenches with universal joint*	
23	60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60357, 60358, 60957, 60958, 60959, 60960	Llaves combinadas / *Combination wrenches*	
15	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314	Llaves fijas / *Open-end wrenches*	inch
	60380, 60381, 60382, 60383, 60384, 60385, 60386, 60387, 60388, 60389, 60390, 60391, 60392, 60393, 60394	Llaves acodadas / *Double offset ring wrenches*	
25	61963	Llaves de vaso , extensiones, carraca, mango corredizo en T, articulación universal / *Socket wrench, extensions, ratchet, T handle, universal joint*	1/2", exten. 5" - 10"
15	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329	Llaves hexagonales / *Hexagonal keys*	inch
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
13	62331, 62332, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62344, 62345, 62349	Alicates / *Pliers*	-
3	62133, 62135, 62134	Tenazas de canal / *Box joint pincers*	
2	61112, 61114	Llave ajustable / *Adjustable wrench*	
5	62586, 62587, 62588, 62589, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
29	61961	Juego vasos / *Socket set*	1/4", inch
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
11	61267	Juego de vasos impacto / *Impact socket sets*	inch
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	62493	Alicate de terminales / *Crimping pliers*	-
	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetros / *Measuring tape*	3m/10'
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	
1	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63119	Cortatubos cobre / *Cooper tube cutter*	42 mm
	63172	Cortatubos acero / *Steel tube cutter*	2"
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
	69501	Cortadores / *Cutters*	-
	51259	Multímetro digital para automóviles / *Automotive digital multimeter*	
	65388	Navaja / *Penknife*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

228 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68980	228	-	mm	-	49
68981		51025			100
55775		57060		●	300

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229	Alicates Circlips / *Circlips pliers*	
18	66400, 66401, 66403, 66407, 66408, 76621, 76622, 76624, 76625, 76626, 66439, 66440, 66441, 76629, 76630, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	-
13	66474, 66475, 66476, 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	
13	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831, 61832, 61833, 61834, 61835, 61836	Llaves de tubo doble boca / *Socket double ended wrench*	
12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	Llaves combinadas / *Combination wrenches*	mm
8	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	Llaves fijas / *Open-end wrenches*	
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782	Llaves acodadas / *Double offset ring wrenches*	-
17	61796	Juego llaves vaso / *Socket wrench set*	1/2", mm
10	61503, 61504, 61505, 61506, 61508, 61509, 61510, 65307, 65308, 65310	Llaves hexagonales / *Hexagonal keys*	mm
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
6	62332, 62340, 62342, 62343, 62344, 62349	Alicates / *Pliers*	-
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
10	60693	Juego de vasos impacto / *Impact socket sets*	mm
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	62493	Alicate de terminales / *Crimping pliers*	-
	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetros / *Measuring tape*	3m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
	69501	Cortadores / *Cutters*	-
	65388	Navaja / *Penknife*	

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098048
to the Management Quality

216 PCS.

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68982	216	-	inch	-	47
68983		51025			95
55776		50977		●	300

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229	Alicates Circlips / *Circlips pliers*	
18	66400, 66401, 66403, 66407, 66408, 76621, 76622, 76624, 76625, 76626, 66439, 66440, 66441, 76629, 76630, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
13	66474, 66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	-
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	
12	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	
8	60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312	Llaves fijas / *Open-end wrenches*	
	60382, 60383, 60384, 60385, 60386, 60389, 60390, 60391	Llaves acodadas / *Double offset ring wrenches*	
17	61798	Juego llaves vaso / *Socket wrench set*	1/2", inch
10	65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327	Llaves hexagonales / *Hexagonal keys*	inch
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
6	62332, 62340, 62342, 62343, 62344, 62349	Alicates / *Pliers*	-
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
	62963	Llave dinamométrica / *Torque wrench*	1/2", 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	
33	66942	Juego puntas / *Bits set*	-
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	
11	61267	Juego de vasos impacto / *Impact socket sets*	
4	69529	Set 4 pinzas / *Set 4 tweezers*	-
1	62493	Alicate de terminales / *Crimping pliers*	
	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetros / *Measuring tape*	3m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
	69501	Cortadores / *Cutters*	-
	65388	Navaja / *Penknife*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ID 0910098048
to the Management Quality

135 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
69396	135	51011	mm	60

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
25	61960	Juego / *Set*	1/2", 25 pcs
26	69280	Juego llaves combinadas / *Combination wrenches set*	26 pcs
	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886, 61887, 61888, 61889, 61890, 61891, 61892, 61893, 61894, 61895	Llaves de pipa / *Angled sockets*	6-32
10	61500	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/ 4/5/5,5/6/8/10, hex.
1	61110	Llave ajustable Unique Plus / *Unique Plus adjustable wrench*	6"
	61935	Llave ajustable Alavesa Combi Unique Plus / *Basque Combi Unique Plus adjustable wrench*	12"
5	66877, 66878, 66879, 66881, 66882	Destornilladores mecánico / *Slotted screwdriver*	
3	66898, 66899, 66900	Destornilladores Phillips® Rotork / *Phillips® Rotork screwdrivers*	
	66908, 66909, 66910	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
	66921, 66923, 66926	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
1	62332	Alicate universal Titacrom® / *Titacrom® Combination pliers*	-
	62340	Alicate telefonista Titacrom® / *Titacrom® Long nose pliers pliers*	
	62342	Alicate telefonista b/curva / *Titacrom® bent nose pliers*	
	62344	Cortaalambres reforzado / *Heavy Duty cutting nippers*	
	62129	Tenaza canal / *Box joint plier*	
	62172	Tenaza Grip curva / *Curved Grip pliers*	
	62349	Alicate pelacables / *Wirestripper*	
	62216	Alicate Circlips exterior recto / *External straight Circlips pliers*	
	62220	Alicate Circlips exterior curvo / *External bent Circlips pliers*	
	62224	Alicate Circlips interior recto / *Internal straight Circlips pliers*	
	62228	Alicate Circlips interior curvo / *Internal bent Circlips pliers*	
	63748	Arco de sierra / *Hack Saw*	
10	64435	Hojas de sierra acero al carbono / *Carbon steel hacksaw blade*	24 dientes / *24 teeth*
1	69621	Martillo alemán / *German type machinist's hammer*	-
	69616	Martillo de bola / *Ball pein hammer*	
	55326	Martillo de nylon / *Nylon hammer*	
	61017	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"
	61035	Llave de cadena reversible / *Reversible chain pipe wrench*	-
	61480	Llave de correa / *Strap wrench*	
	63119	Cortatubos Unique / *Unique tube cutter*	42 mm
	68003	Abocinador / *Pulg flaring tool*	-
	62151	Tenaza cortacables / *Cable cutters*	
	69501	Cortadores / *Cutters*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

109 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68984	109	-	mm	-	27
68985		51674			65
55777		51025		●	120

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	62214, 62215, 62216, 62217, 62222, 62223, 62224, 62225	Alicates Circlips / *Circlips pliers*	-
11	66400, 66401, 66403, 66407, 66408, 66439, 66440, 66441, 66457, 66458, 66459	Destornilladores mecánicos, Phillips®, Pozidriv® / *Slotted, Phillips®, Pozidriv® screwdrivers*	
10	66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484	Destornilladores Torx® / *Torx® screwdrivers*	
12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	Llaves combinadas / *Combination wrenches*	mm
8	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	Llaves fijas / *Open-end wrenches*	
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782	Llaves acodadas / *Double offset ring wrenches*	-
17	61796	Juego llaves vaso / *Socket wrench set*	1/2", mm
10	61503, 61504, 61505, 61506, 61508, 61509, 61510, 65307, 65308, 65310	Llaves hexagonales / *Hexagonal keys*	mm
3	63402, 63404, 63406	Botadores / *Punches*	-
1	63179	Cortafríos / *Chisel*	
4	62332, 62343, 62344, 62349	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	-
1	62178	Tenazas Grip / *Grip pincers*	
3	63498, 63570, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	65362	Flexómetros / *Measuring tape*	3 m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	69501	Cortadores / *Cutters*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68986	109	-	inch	-	27
68987		51674			65
55778		51025		●	120

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	62214, 62215, 62216, 62217, 62222, 62223, 62224, 62225	Alicates Circlips / *Circlips pliers*	-
11	66400, 66401, 66403, 66407, 66408, 66439, 66440, 66441, 66457, 66458, 66459	Destornilladores mecánicos, Phillips®, Pozidriv® / *Slotted, Phillips®, Pozidriv® screwdrivers*	
10	66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484	Destornilladores Torx® / *Torx® screwdrivers*	
12	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	inch
8	60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312	Llaves fijas / *Open-end wrenches*	
	60382, 60383, 60384, 60385, 60386, 60389, 60390, 60391	Llaves acodadas / *Double offset ring wrenches*	
17	61798	Juego llaves vaso / *Socket wrench set*	1/2", inch
10	65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327	Llaves hexagonales / *Hexagonal keys*	-
3	63402, 63404, 63406	Botadores / *Punches*	
1	63179	Cortafríos / *Chisel*	
4	62332, 62343, 62344, 62349	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	-
1	62178	Tenazas Grip / *Grip pincers*	
3	63498, 63570, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	65362	Flexómetros / *Measuring tape*	3 m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	69501	Cortadores / *Cutters*	

102 PCS.

MM

COD.	PCS.		Kg
69398	102	51012	17



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
25	61960	Juego / *Set*	1/2", 25 pcs
12	69795	Juego llaves fijas / *Open end wrenches set*	12 pcs
	69278	Juego llaves combinadas / *Combination wrenches set*	6/7/8/9/10/11/12/13/14/15/16/17
10	61500	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6/8/10, hex.
2	61110, 61113	Llaves ajustables Unique / *Unique adjustable wrenches*	6"/12"
5	66877, 66878, 66879, 66881, 66882	Destornilladores mecánico Rotork / *Rotork slotted screwdrivers*	
3	66898, 66899, 66900	Destornilladores Phillips® Rotork / *Phillips® Rotork screwdrivers*	
	66908, 66909, 66910	Destornilladores Pozidriv® Rotork / *Pozidriv® Rotork screwdrivers*	
	66921, 66923, 66926	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
	66937, 66938, 66939	Destornilladores carroceros Rotork / *Rotork Stubby screwdrivers*	
1	62332	Alicate universal Titacrom® Bimat / *Titacrom® Bimat combination pliers*	-
	62337	Alicate b/plana Titacrom® Bimat / *Titacrom® Bimat flat nose pliers*	
	62338	Alicate b/redonda Titacrom® Bimat / *Titacrom® Bimat round nose pliers*	
	62341	Alicate telefonista b/curva Titacrom® Bimat / *Titacrom® Bimat bent nose pliers*	
	62343	Alicate c/diagonal Titacrom® Bimat / *Titacrom® Bimat cutting pliers*	
	62445	Tenaza Pico Loro Bimat / *Bimat groove joint*	
	62231	Tenaza Grip recta / *Straight grip pliers*	
	62183	Alicate Circlips exterior recto / *External straight Circlips pliers*	
	62182	Alicate Circlips exterior curvo / *External bent Circlips pliers*	
	62181	Alicate Circlips interior recto / *Internal straight Circlips pliers*	
	62180	Alicate Circlips interior curvo / *Internal bent Circlips pliers*	
	63748	Arco de sierra / *Hack Saw*	
10	64435	Hojas de sierra acero al carbono / *Carbon steel hacksaw blade*	24 TPI
1	69604	Martillo ebanista / *Joiners hammer*	-
	55326	Martillo de nylon / *Nylon hammer*	

57 PCS.

INCH

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
68990	57	-	inch	9
68991		51011		34



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62213	Alicates Circlips / *Circlips pliers*	-
11	66400, 66401, 66403, 66407, 66408, 66439, 66440, 66441, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
12	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	inch
17	61798	Juego llaves vaso / *Socket wrench set*	1/2", inch
7	65320, 65321, 65322, 65323, 65324, 65325, 65326	Llaves hexagonales / *Hexagonal keys*	inch
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
3	62332, 62343, 62344	Alicates / *Pliers*	-
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	69622, 69614	Martillos / *Hammers*	
1	69534	Tijera electricista / *Electrician´s scissors*	

53 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
68988	53	-	mm	8
68989		51011		33



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62213	Alicates Circlips / *Circlips pliers*	-
7	66401, 66403, 66407, 66439, 66440, 66457, 66458	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	Llaves combinadas / *Combination wrenches*	mm
17	61796	Juego llaves vaso / *Socket wrench set*	1/2", mm
7	61504, 61505, 61506, 61508, 61509, 61510, 65307	Llaves hexagonales / *Hexagonal keys*	mm
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
3	62332, 62343, 62344	Alicates / *Pliers*	-
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	69622, 69614	Martillos / *Hammers*	
1	69534	Tijera electricista / *Electrician´s scissors*	

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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47 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
68992	47	-	mm	16
68993		51011		41



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
12	69251	Juego llaves fijas / *Open end wrenches set*	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm
2	63178, 63179	Cortafríos / *Chisel*	160-200
1	61112	Llave ajustable / *Adjustable wrench*	10"
	63172	Cortatubos acero / *Steel tube cutter*	2"
	63119	Cortatubos de cobre Unique / *Tube cutter Unique*	-
	61004	Llave Stillson / *Stillson pipe wrench*	14"
	61465	Llave Blitz / *Blitz Wrench*	175
	62133	Tenaza de canal / *Box joint*	10"
	62233	Tijera para chapa / *Tin snip*	12"
	62172	Tenaza Grip boca curva / *Curved jaw grip plier*	10"
	69534	Tijera electricista / *Electrician´s scissors*	-
	62333	Alicate universal Titacrom® / *Titacrom® Combination pliers*	180
5	66400, 66401, 66403, 66405, 66407	Destornilladores Mastertork / *Mastertork Screwdrivers*	3x80 - 4x100 - 5,5x125 - 6,5x150 - 8x200
2	66439, 66440		PH1 - PH2
1	69619	Martillo mecánico alemán / *German type machinist's hammer*	300 g
	65172	Flexómetro Rallye II / *Rallye II Measuring tape*	3 m/16 mm
	63570	Lima media caña entrefina / *Medium half round file*	8"
	63678	Lima redonda entrefina / *Medium round file*	
	65293	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	63748	Arco de sierra / *Hack Saw*	-
	68003	Abocinador / *Pulg flaring tool*	mm
	61480	Llave de correa / *Strap wrench*	450 mm
8	68172	Set curvatubos carraca / *Ratchet tube bender set*	mm

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

26 PCS.

MM

COD.	PCS.		Kg
69538	26	51013	4,5

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	61112	Llave ajustable Unique Plus Titacrom® / *Unique Plus Titacrom® Adjustable wrench*	10"
	62479	Alicate universal Mastercut / *Mastercut Combination pliers*	210 mm
	62499	Alicate telefonista Mastercut / *Mastercut Long nose pliers*	200 mm
	62343	Alicate corte diagonal / *Diagonal cutting plier*	160 mm
10	61496	Set Allen punta bola / *Long patern ballpoint Allen set*	-
1	66401	Destornillador mecánico / *Slotted screwdriver*	4x100
	66403		5,5x125
	66405		6,5x150
	66406		8x150
	66439	Destornillador Phillips® / *Phillips® screwdrivers*	PH1
	66440		PH2
	66457	Destornillador Pozidriv® / *Screwdriver Pozidriv®*	PZ1
	66458		PZ2
	69613	Martillo de bola / *Ball pein hammer*	425 g
	63326	Cincel / *Flat chisel*	23x200
	63748	Arco de Sierra / *Hack Saw*	-
	62850	Cortafríos / *Chisel*	20x200



MM

COD.	PCS.		Kg
51620	26	51010	7,0

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	62450	Alicate universal bimat / *Combination plier bimat*	160 mm
	62339	Alicate telefonista Titacrom® / *Long nose plier titacrom® bimat*	
	62459	Alicate corte diagonal bimat / *Diagonal cutting plier bimat*	
	62411	Tenaza pico loro automática / *Auto grip groove joint plier*	8"
	61229	Llave ajustable de gran apertura Titacrom® / *Wide opening adjustable wrench Titacrom®*	6"
	66886	Destornillador electricista Rotork / *Electrician screwdriver Rotork*	3x60
	66888		4x125
	66890		5x150
	66898	Destornillador Phillips® Rotork / *Screwdriver Phillips® Rotork*	PH-1
	66908	Destornillador Pozidriv® Rotork / *Screwdriver Pozidriv® Rotork*	PZ-1
10	61500	Juego 10 llaves allen / *Set of 10 hexagonal key wrenches*	1,5-10
1	65172	Flexómetro Rallye II / *Rallye II Measuring tape*	3m/16mm
	66909	Destornillador Pozidriv® Rotork / *Screwdriver Pozidriv® Rotork*	PZ-2
	66899	Destornillador Phillips® Rotork / *Screwdriver Phillips® Rotork*	PH-2
	69614	Martillo bola madera / *Ball pein hammer*	-
	61405	Llave Mastergrip / *Mastergrip wrench*	10"
	69534	Tijera electricista / *Electrician scissors*	145 mm



NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
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JUEGOS FONTANERÍA Y AIRE ACONDICIONADO / *PLUMBING AND CONDITIONED AIR SETS* / SETS PLOMBERIE ET AIR CONDITIONNEE / *WERKZEUG SETS FÜR KLEMPNER UND KLIMATECHNIK* / KIT PER IDRAULICA E CONDIZIONAMENTO / *JOGOS DE CANALIZAÇÃO E AR CONDICIONADO* / НАБОРЫ ДЛЯ КОНДИЦИОНИРОВАНИЯ И ДЛЯ САНТЕХНИКИ

114 PCS.

MM

COD.	PCS.		Kg
69393	114	51012	20

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
12	69795	Juego llaves fijas / *Open end wrenches set*	12 pcs
10	69256	Juego llaves acodadas / *Double offset wrenches set*	10 pcs
1	61113	Llave Ajustable Unique Titacrom® / *Unique Titacrom® adjustable wrench*	12"
29	61958	Juego / *Set*	1/4", 29 pcs
2	61305, 61306	Llaves de vaso de doble articulación / *Double ended swivel*	16-17/18-19
10	61500	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6/8/10, hex.
5	66874, 66876, 66878, 66880, 66881	Destornilladores mecánicos Rotork / *Rotork slotted screwdrivers*	
3	76651, 76653, 76654	Destornilladores varilla protegida Rotork / *Rotork Insulated screwdrivers*	-
	76655, 76656, 76657	Destornilladores varilla protegida Phillips® Rotork / *Rotork Phillips® insulated screwdrivers*	
	76659, 76660, 76661	Destornilladores varilla protegida Pozidriv® Rotork / *Rotork Pozidriv® insulated screwdrivers*	
4	66920, 66921, 66922, 66923	Destornilladores Torx® Microtronic / *Torx® Microtronic screwdrivers*	
3	66937, 66938, 66939	Destornilladores carroceros Rotork / *Rotork Stubby screwdrivers*	
1	66071	Destornillador buscapolos / *Voltage tester screwdriver*	
	61011	Llave sueca / *Swedish pipe wrench*	S-45°
	61035	Llave de cadena reversible / *Reversible chain pipe wrench*	-
	63105	Cortatubos Telescopic / *Telescopic tube cutter*	32
6	68052	Kit frigorifista / *Refrigeration Kit*	
1	63748	Arco de sierra / *Hack Saw*	
10	64435	Hojas de sierra acero al carbono / *Carbon steel hacksaw blade*	
1	69501	Cortadores / *Cutters*	-
	69604	Martillo ebanista / *Joiners hammer*	
	62332	Alicate universal Titacrom® Bimat / *Titacrom® Bimat combination pliers*	
	62342	Alicate telefonista b/curva Titacrom® Bimat / *Titacrom® Bimat bent nose pliers*	
	62344	Alicate cortaalambres Titacrom® Bimat Heavy Duty / *Titacrom® Bimat, Heavy Duty cutting knippers*	
	62349	Alicate pelacables Bimat / *Bimat wirestripper pliers*	
	62297	Tenaza canal Bimat Box / *Bimat Box joint pliers*	
	62178	Tenaza Grip Curva / *Curved Grip pliers*	



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

68 PCS.

MM

COD.	PCS.		Kg
69397	68	51012	19



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
12	69795	Juego llaves Fijas / *Open end wrenches set*	12 pcs
1	61935	Llave Combi Alavesa ajustable / *Basque adjustable wrench combi*	12"
	61004	Llave Stillson / *Stillson pipe wrench*	14"
	61041	Llave Sueca / *Swedish pipe wrench*	45°, 1"
	61035	Llave de cadena reversible / *Reversible chain pipe wrench*	-
10	61500	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6/8/10, hex.
1	61009	Llave de lavabo / *Basin Wrench*	
5	66875, 66877, 66879, 66881, 66882	Destornilladores mecánico Rotork / *Rotork slotted screwdriver*	
3	66898, 66899, 66900	Destornilladores Phillips® Rotork / *Phillips® Rotork screwdrivers*	
2	66909, 66910	Destornilladores Pozidriv® Rotork / *Pozidriv® Rotork screwdrivers*	
4	66921, 66923, 66926, 66927	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
1	62333	Alicate universal Titacrom® Bimat / *Titacrom® Bimat combination pliers*	-
	62344	Alicate cortaalambres Titacrom® Bimat Heavy Duty Knippers / *Titacrom® Bimat Heavy Duty Knippers cutting pliers*	
	62172	Tenaza Grip Curva / *Curved Grip pliers*	
	62294	Tenaza canal Titacrom® Box / *Titacrom® Box Joint pliers*	
	62123	Tenaza rusa Titacrom® / *Titacrom® Tower pincer*	
	63170	Cortatubos Classic / *Classic Tube cutter*	32
	63171	Cortatubos acero / *Steel tube cutter*	1.1/4"
	63200	Tijera para tubo de plástico / *Plastic pipe cutter*	-
	62159	Tijera cortachapa / *Tin Snip*	
	63748	Arco de Sierra / *Hack Saw*	
10	64435	Hojas de sierra acero al carbono / *Carbon steel hacksaw blade*	24 dientes / *24 teeth*
1	69620	Martillo alemán / *German type machinist's hammer*	-
	69605	Maceta / *Stoning hammer*	
	68003	Abocinador / *Pulg flaring tool*	
	69505	Desatascador de muelle / *Spring pipe cleaner*	
3	68043, 68045, 68054	Muelles curvatubos / *Sping tube benders*	10-14-18

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

24 PCS.

MM

COD.	PCS.		Kg
69537	24	51013	8,0

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	61934	Llave ajustable Alavesa combi / *Basque Combi adjustable wrench*	10"
	61017	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"
	63172	Cortatubos acero / *Steel tube cutter*	2"
	62479	Alicate universal Mastercut / *Mastercut Combination pliers*	210 mm
	62499	Alicate telefonista Mastercut / *Mastercut Long nose pliers*	200 mm
	62343	Alicate corte diagonal / *Diagonal cutting plier*	160 mm
10	61496	Set Allen punta bola / *Long patern ballpoint Allen set*	-
1	66401	Destornillador mecánico / *Slotted screwdriver*	4x100
	66403		5,5x125
	66405		6,5x150
	66406		8x150
	66439	Destornillador Phillips® / *Phillips® screwdriver*	PH1
	66440		PH2
	63119	Cortatubos Unique / *Unique tube cutter*	42
	63748	Arco de Sierra / *Hack Saw*	-



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JUEGOS ELECTRICIDAD / *ELECTRICIAN SETS* / SETS ÉLECTRICIENS / *WERKZEUGSÄTZE FÜR ELEKTRIZITÄT* / KIT ELETTRICISTI / *JOGOS ÉCTRICIDADE* / НАБОР ЭЛЕКТРИКА

99 PCS.

MM

COD.	PCS.		Kg
69390	99	51010	8,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
29	61958	Juego / *Set*	1/4", 29 pcs
6	69248	Juego de llaves fijas / *Open end wrenches set*	6-7/8-9/10-11/12-13/14-15/16-17
1	61110	Llave ajustable Unique Plus Titacrom® / *Unique Plus Titacrom® Adjustable wrench*	6"
4	66846, 66847, 66848, 66849	Destornilladores boca plana Microtronic / *Microtronic flat nose screwdrivers*	-
3	66850, 66851, 66852	Destornilladores Phillips® Microtronic / *Phillips® Microtronic screwdrivers*	
2	66853, 66854	Destornilladores Pozidriv® Microtronic / *Pozidriv® Microtronic screwdrivers*	
5	66855, 66856, 66857, 66858, 66859	Destornilladores Torx® Microtronic / *Torx® Microtronic screwdrivers*	
4	57684, 57685, 66864, 66865	Destornilladores hexagonales Microtronic / *Microtronic hexagonal screwdrivers*	
3	76651, 76652, 76653	Destornilladores varilla protegida Rotork / *Rotork Insulated screwdrivers*	1000V
2	76655, 76656	Destornilladores varilla protegida Phillips® Rotork / *Rotork Phillips® insulated screwdrivers*	
	76659, 76660	Destornilladores varilla protegida Pozidriv® Rotork / *Rotork Pozidriv® insulated screwdrivers*	
3	66928, 66929, 66930	Destornilladores punta esfera Rotork Phillips® / *Rotork Phillips® ball tip screwdrivers*	-
	66917, 66918, 66919	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
1	66070	Destornillador buscapolos / *Voltage tester screwdriver*	
8	61499	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6, hex.
5	61870, 61871, 61872, 61873, 61874	Llaves de pipa / *Angled sockets*	6/7/8/9/10
4	61824, 61825, 61826, 61827	Llaves de tubo doble boca / *Socket double ended wrench*	6.7/8-9/10-11/12-13
1	62241	Alicate mini universal Titacrom® Bimat / *Titacrom® Bimat combination electronic pliers*	-
	62242	Alicate mini b/plana Titacrom® Bimat / *Titacrom® Bimat flat nose electronic pliers*	
	62243	Alicate mini b/redonda Titacrom® Bimat / *Titacrom® Bimat round nose electronic pliers*	
	62244	Alicate mini telefonista Titacrom® Bimat / *Titacrom® Bimat long nose electronic pliers*	
	62245	Alicate mini b/curva Titacrom® Bimat / *Titacrom® Bimat bent nose electronic pliers*	
	62246	Alicate mini b/aguja Titacrom® Bimat / *itacrom Bimat long needle nose electronic pliers*	
	62247	Alicate mini c/diagonal Titacrom® Bimat / *Titacrom® Bimat diagonal cutting wlectronic pliers*	
	62249	Alicate mini c/frontal Titacrom® Bimat / *Titacrom® Bimat end cutter electronic pliers*	
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	69501	Cortadores / *Cutters*	
	69601	Martillo ebanista / *Joiners hammer*	

84 PCS.

MM

COD.	PCS.		Kg
69391	84	51010	11



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
29	61958	Juego / *Set*	1/4", 29 pcs
8	69249	Juego de llaves fijas / *Open end wrenches set*	6-7/8-9/10-11/12-13/14-15/16-17/18-19/20-22
10	61615, 61616, 61617, 61618, 61619 61620, 61621, 61622, 61623, 61624	Llaves Allen p/bola / *Hexagonal key wrenches ball type*	1,5/2/2,5/3/4/5/5,5/6/8/10, hex.
4	76651, 76652, 76653, 76654	Destornilladores varilla protegida Rotork / *Rotork Insulated screwdrivers*	1000V
	76655, 76656, 76657, 76658	Destornilladores varilla protegida Phillips® Rotork / *Rotork Phillips® insulated screwdrivers*	
	76659, 76660, 76661, 76662	Destornilladores varilla proteguida Pozidriv® Rotork / *Rotork Pozidriv® insulated screwdrivers*	
1	66070	Destornillador buscapolos / *Voltage tester screwdriver*	-
	76552	Llave ajustable Titacrom® / *Titacrom® Adjustable wrench*	10", 1000V
	76584	Alicate universal / *Combination pliers*	1000V
	76589	Alicate b/plana / *Flat nose pliers*	
	76590	Alicate b/redonda / *Round nose pliers*	
	76591	Alicate telefonista / *Long nose plier*	
	76593	Alicate telefonista b/curva / *Titacrom® bent nose pliers*	
	76595	Alicate c/diagonal / *Diagonal cutting pliers*	
	76603	Alicate pelacables / *Wirestripper*	
	62445	Tenaza Pico Loro Bimat / *Bimat groove joint*	-
	62178	Tenaza Grip / *Grip plier*	7"
	62151	Tenaza cortacables / *Cable cutters*	-
	69501	Cortadores / *Cutters*	
	63748	Arco de sierra / *Hack saw*	
10	64435	Hojas de sierra acero al carbono / *Carbon steel hacksaw blade*	24 dientes / *24 teeth*
1	69603	Martillo ebanista / *Joiners hammer*	-

52 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
76686	52	-	mm	6,0
76687		51011		31





PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	76584, 76590, 76592, 76591, 76593, 76594, 76595, 76603	Alicates / *Pliers*	
1	73008	Tenaza cortacables / *Cable cutters*	
2	73040, 73041	Pinzas / *Tweezers*	
	73035, 73036	Cuchillos / *Knives*	
1	73011	Cortacables de carraca / *Ratchet electrician cable cutter*	1000V
	73005	Tenazas de canal / *Box joint pincers*	
	76552	Llave ajustable / *Adjustable wrench*	
8	73064, 73065, 73066, 73067, 73068, 73071, 73073, 73076	Llaves fijas una boca / *Single ended open jaw spaner*	
1	69534	Tijera electricista / *Electrician´s scissors*	
	62494	Alicate para terminales / *Terminals plier*	-
	51257	Tester voltaje / *Voltage Tester*	
6	76621, 76622, 76624, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	1000V
5	76628, 76629, 76630, 76631, 76632	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	63254	Soldador de estaño / *Tin soldering iron*	
	63256	Succionador con boquilla antiestática para soldadura / *Desoldering pump with anti-static rubber nozzle*	-
	65587	Espejo articulado / *Joint telescopic mirror*	
6	73232, 73233, 73234, 73236, 73238, 73239	Vasos / *Sockets*	
1	73245	Alargadera / *Extension*	1000V
	73687	Carraca / *Ratchet*	
3	73251, 73252, 73253	Boquillas hexagonales / *Hexagonal sockets*	

37 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79066	37	51054	mm	9,0





PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	76583, 76603, 76592, 76599	Alicates / *Pliers*	
1	73008	Cortacables / *Cable cutters*	
6	73064, 73067, 73068, 73071, 73073, 73076	Llaves fijas una boca / *Single ended open jaw spaner*	1000V
	73122, 73125, 73126, 73129, 73131, 73134	Llaves de estrella / *Ring wrenches*	
1	73683	Carraca / *Ratchet*	
2	73446, 73445	Alargadera / *Extension*	3/8" - 1000V
1	73448	Mango en T / *T Handle*	1000V
9	74962, 74963, 74964, 74965, 74966, 74969, 74971, 74974, 74976	Vasos / *Sockets*	1/2" - 1000V
2	73035, 73036	Cuchillos / *Knives*	
1	73040	Pinza de plástico / *Plastic tweezers*	1000V
4	76621, 76622, 76623, 76625	Destornilladores electricistas / *Electrician screwdrivers*	

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
76688	37	-	mm	3,0
76689		51010		7,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
5	76584, 76591, 76593, 76595, 76603	Alicates / *Pliers*	1000V
1	73008	Tenaza cortacables / *Cable cutters*	
	73040	Pinzas / *Tweezers*	
	73035	Cuchillos / *Knives*	
	73005	Tenazas de canal / *Box joint pincers*	
5	73064, 73065, 73067, 73068, 73070	Llaves fijas una boca / *Single ended open jaw spaner*	
1	69534	Tijera electricista / *Electrician´s scissors*	-
	51257	Tester voltaje / *Voltage Tester*	
5	76621, 76622, 76624, 76625, 76626	Destornilladores electricistas / *Electrician screwdrivers*	1000V
3	76629, 76630, 76631	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	63254	Soldador de estaño / *Tin soldering iron*	-
	63256	Succionador con boquilla antiestática para soldadura / *Desoldering pump with anti-static rubber nozzle*	
6	73232, 73233, 73234, 73236, 73238, 73239	Vasos / *Sockets*	1000V
1	73245	Alargadera / *Extension*	
	73246	Carraca / *Ratchet*	

27 PCS.

INCH

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79065	27	51054	inch	8,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
3	76583, 76597, 76592	Alicates / *Pliers*	1000V
	76621, 76623, 76625	Destornilladores electricistas / *Electrician screwdrivers*	
2	76629, 76630	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	73685	Carraca / *Ratchet*	-
2	73280, 73281	Alargadera / *Extension*	3/8" - 1000V
8	75162, 75163, 75164, 75165, 75167, 75168, 75169, 75170	Vasos / *Sockets*	
	73349, 73350, 73351, 73352, 73353, 73354, 73355, 73356	Llaves de estrella acodada una boca / *Offset ring wrenches*	1000V

26 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79064	26	51033	mm	5,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
7	76583, 76603, 76592, 76594, 76595, 76590, 76589	Alicates / *Pliers*	1000V
2	73156, 73158	Llaves hexagonales / *Hexagonal keys*	
5	76621, 76622, 76623, 76625, 76626	Destornilladores electricistas / *Electrician screwdrivers*	
2	76629, 76630	Destornilladores Phillips® / *Phillips® screwdrivers*	
	76634, 76635	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
4	74700, 74701, 74702, 74703	Destornilladores de vaso / *Socket screwdrivers*	
2	73035, 73036	Cuchillos / *Knives*	
1	73008	Cortacables / *Cable cutters*	
	66073	Buscapolos / *Voltage tester*	-

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20 PCS.

MM

COD.	PCS.		Kg
69536	20	51013	4,0



PCS.	COD. PCS.	Descripción / *Description* / Description	
1	76609	Alicates universales Mastercut / *Mastercut combination pliers*	1000V, 210 mm
	76595	Alicate corte diagonal / *Diagonal cutting plier*	1000V, 160 mm
	76591	Alicates telefonista recto / *Long nose pliers*	
	76603	Alicate pelacables / *Wirestripper*	
	62494	Alicate para terminales / *Terminals plier*	220 mm
	76622	Destornillador electricista / *Electrician screwdriver*	1000V, 4x125
	76625		1000V, 6,5x150
	76629	Destornillador Phillips® / *Phillips® screwdriver*	1000V, PH1
	76630		1000V, PH2
	66422	Destornillador electricista / *Electrician screwdriver*	3 x 100
	66423		4 x 125
	66425		5,5 x 150
	66426		6,5 x 150
	66427		8 x 175
	66073	Buscapolos / *Voltage tester*	-
	73035	Cuchillo / *Knife*	1000V
	69662	Maceta modelo español / *Spanish type stoning hammer*	1000 g
	69534	Tijera electricista / *Electrician´s scissors*	145 mm
	65167	Flexómetro robust magnet / *Robust Magnet Measuring tape*	5 x 25
	63748	Arco de sierra / *Hack Saw*	-

17 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79063	17	51033	mm	3,6



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
6	76584, 76599, 76592, 76603, 76589, 76590	Alicates / *Pliers*	1000V
1	66073	Buscapolos / *Voltage tester*	-
6	76620, 76621, 76623, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	1000V
2	76629, 76630	Destornilladores Phillips® / *Phillips® screwdrivers*	
	73035, 73036	Cuchillos / *Knives*	

16 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
76690	16	-	mm	2,0
76691		51013		4,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
3	76584, 76591, 76595	Alicates / *Pliers*	1000V
1	73040	Pinzas / *Tweezers*	
	73035	Cuchillos / *Knives*	
3	73064, 73067, 73070	Llaves fijas una boca / *Single ended open jaw spaner*	-
1	69534	Tijera electricista / *Electrician´s scissors*	
	66071	Buscapolos / *Voltage tester*	
4	76621, 76622, 76625, 76626	Destornilladores electricistas / *Electrician screwdrivers*	1000V
2	76629, 76630	Destornilladores Phillips® / *Phillips® screwdrivers*	

10 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79061	10	51033	mm	3,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	76583, 76594, 76603, 76595	Alicates / *Pliers*	1000V
3	76621, 76623, 76626	Destornilladores electricistas / *Electrician screwdrivers*	
2	76634, 76635	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
1	73004	Tenaza de canal / *Box joint*	





COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79062	10	51033	mm	2,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	76583, 76603, 76590, 76599	Alicates / *Pliers*	1000V
1	66073	Buscapolos / *Voltage tester*	-
4	76621, 76622, 76623, 76625	Destornilladores electricistas / *Electrician screwdrivers*	1000V
1	76629	Destornilladores Phillips® / *Phillips® screwdrivers*	





5 PCS.

MM

COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79060	5	51033	mm	1,2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	76583, 76594, 76603, 76595	Alicates / *Pliers*	1000V
1	73004	Tenaza de canal / *Box joint*	





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ELECTROMECÁNICA / *ELECTROMECHANICAL KIT* / KIT ELECTROMÉCANIQUE / *WERKZEUGSET FÜR ELEKTROMECHANIK* / ELETTROMECCANICA / *ELECTROMECÂNICA* / ЭЛЕКТРОМЕХАНИЧЕСКИЙ НАБОР

102 PCS.

MM

COD.	PCS.		Kg
69392	102	51010	10



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
29	61958	Juego / *Set*	1/4", 29 pcs
10	69277	Juego llaves combinadas / *Combination wrenches set*	10 pcs
1	61908	Llave ajustable Unique Plus Titacrom® Comfort / *Unique Plus Titacrom® Comfort adjustable wrench*	10"
4	76651, 76652, 76653, 76654	Destornilladores varilla protegida Rotork / *Rotork Insulated screwdrivers*	-
3	76655, 76656, 76657	Destornilladores varilla protegida Phillips® Rotork / *Rotork Phillips® insulated screwdrivers*	
	76659, 76660, 76661	Destornilladores varilla prototegida Pozidriv® Rotork / *Rotork Pozidriv® insulated screwdrivers*	
5	66928, 66929, 66930, 66931, 66932	Destornilladores punta esfera Rotork / *Rotork ball tip screwdrivers*	
	66917, 66918, 66919, 66920, 66921	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
2	66934, 66935	Destornilladores Robertson Rotork / *Rotork Robertson screwdrivers*	
1	66071	Destornillador buscapolos / *Voltage tester screwdriver*	
5	61824, 61825, 61826, 61827, 61828	Llaves de tubo doble boca / *Socket double ended wrenches*	6-7/8-9/10-11/12-13/14-15
8	61499	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6, hex.
1	62177	Tenaza Grip curva / *Curved Grip pliers*	-
	62331	Alicate universal Titacrom® Bimat / *Titacrom® Bimat combination pliers*	
	62337	Alicate b/plana Titacrom® Bimat / *Titacrom® Bimat flat nose pliers*	
	62339	Alicate telefonista Titacrom® Bimat / *Titacrom® Bimat long nose pliers*	
	62341	Alicate telefonista b/curva Titacrom® Bimat / *Titacrom® Bimat bent nose pliers*	
	62343	Alicate corte diagonal Titacrom® Bimat / *Titacrom® Bimat diagonal cutting pliers*	
	62349	Alicate pelacables Titacrom® Bimat / *Titacrom® Bimat wirestripper*	
	62445	Tenaza Pico Loro Bimat / *Bimat groove joint*	
	62214	Alicate Circlips exterior recto / *External straight Circlips pliers*	
	62218	Alicate Circlips exterior curvo / *External bent Circlips pliers*	
	62222	Alicate Circlips interior recto / *Internal straight Circlips pliers*	
	62226	Alicate Circlips interior curvo / *Internal bent Circlips pliers*	
	69603	Martillo ebanista / *Joiners hammer*	
	69531	Pinza / *Tweezers*	45°
	69533	Pinza b/plana / *Flat nose tweezers*	-
	69532	Pinza autoapretante / *Self adjusting tweezers*	
8	69433	Juego / *Set*	8 pcs
1	69504	Magnetizador / *Magnetizer*	-
	69501	Cortadores / *Cutters*	

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87 PCS.

MM

COD.	PCS.		Kg
69394	87	51010	9,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
29	61958	Juego / *Set*	1/4", 29 pcs
8	69249	Juego de llaves fijas / *Open end wrenches set*	8 pcs
9	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878	Llaves de pipa / *Angled sockets*	6/7/8/9/10/11/12/13/14
8	61499	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6 hex.
1	61111	Llave ajustable Unique Titacrom® / *Unique Titacrom® adjustable wrench*	8"
3	76651, 76652, 76653	Destornilladores varilla protegida Rotork / *Rotork Insulated screwdrivers*	-
	76655, 76656, 76657	Destornilladores varilla protegida Phillips® Rotork / *Rotork Phillips® insulated screwdrivers*	
	76659, 76660, 76661	Destornilladores varilla protegida Pozidriv® Rotork / *Rotork Pozidriv® insulated screwdrivers*	
	66917, 66918, 66919	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
	66928, 66929, 66930	Destornilladores punta esfera Rotork / *Rotork ball tip screwdrivers*	
1	66070	Destornillador buscapolos / *Voltage tester screwdriver*	-
	62331	Alicate universal Titacrom® Bimat / *Titacrom® Bimat combination pliers*	
	62337	Alicate b/plana Titacrom® Bimat / *Titacrom® Bimat flat nose pliers*	
	62338	Alicate b/redonda Titacrom® Bimat / *Titacrom® Bimat round nose pliers*	
	62341	Alicate telefonista b/curva Titacrom® Bimat / *Titacrom® Bimat bent nose pliers*	
	62343	Alicate c/diagonal Titacrom® Bimat / *Titacrom® Bimat cutting pliers*	
	62349	Alicate pelacables Bimat / *Bimat wirestripper pliers*	
	62445	Tenaza Pico Loro Bimat / *Bimat groove joint*	
	62177	Tenaza Grip curva / *Curved Grip pliers*	
	69531	Pinza / *Tweezers*	45°
	69530	Pinza b/fina / *Neat tips tweezer*	-
	62242	Alicate mini b/plana Titacrom® Bimat / *Titacrom® Bimat flat nose electronic pliers*	
	62247	Alicate mini c/diagonal Titacrom® Bimat / *Titacrom® Bimat diagonal cutting wlectronic pliers*	
	62246	Alicate mini b/aguja Titacrom® Bimat / *Titacrom Bimat long needle nose electronic pliers*	
	63097	Cortatubos mini / *Tube Cutter*	22 mm
	69501	Cortadores / *Cutters*	-
	69601	Martillo ebanista / *Joiners hammer*	

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MANTENIMIENTO DE EDIFICIOS / *BUILDING MAINTENANCE* / KIT POUR L'ENTRETIEN DE BÂTIMENT / *WERKZEUGSATZ FÜR GEBÄUDEWARTUNG* / EDILIZIA INDUSTRIALE / *MANUTENÇAO DE EDIFICIOS* / НАБОР ДЛЯ ОБСЛУЖИВАНИЯ ЗДАНИЙ

227 PCS.

MM/INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
59155	227	-	mm/inch	-	26
59156		51075		●	75
59157					

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	62332, 62337, 62340, 62343	Alicates / *Pliers*	-
1	63748	Arcos de sierra / *Hack saws*	
1	61570	Cepillos / *Brushes*	
2	67190, 67191	Destornilladores carroceros / *Stubby screwdrivers*	mm
	66887, 66888	Destornilladores electricista / *Electrician screwdrivers*	
	66877, 66879	Destornilladores mecánicos / *Slotted screwdrivers*	
	66897, 66898	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	66731	Destornilladores portapuntas / *Bitholder screwdrivers*	
2	66908, 66909	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
7	66921, 66922, 66923, 66924, 66925, 66926, 66927	Destornilladores Torx® / *Screwdrivers Torx®*	
1	65586	Espejo articulado / *Joint telescopic mirror*	
1	65172	Flexómetros / *Measuring tapes*	
2	65552, 65560	Galgas / *Gauges*	
10	61516	Juego llaves hexagonales / *Set hexagonal key wrenches*	inch
	61495	Juego llaves hexagonales bola / *Set hexagonal key wrenches ball type*	
4	69529	Juego pinzas / *Set tweezers*	-
10	66948	Juego puntas / *Bits set*	
35	55603	Juego vasos / *Socket set*	1/2"
42	61792		3/8"
29	55667	Juego vasos spline / *Spline socket set*	1/4"
11	63537, 63573, 63609, 63645, 63681, 63714, 63715, 63716, 63717, 63718, 63719	Limas / *Files*	-
1	58641	Linternas / *Flashlights*	
1	61113	Llaves ajustables / *Adjustable wrenches*	
12	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	inch
10	61727, 61728, 61729, 61730, 61731, 61732, 61733, 61736, 61738, 61741		mm
1	62603	Llaves de carraca reversible / *Reversible ratchet handles*	1/4"
11	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430	Llaves de vaso / *Socket wrenches*	
6	60785, 60788, 60789, 60790, 60792, 60793	Llaves para racores / *Flare nut spanners*	-
2	55325, 69613	Martillos / *Hammers*	
1	65589	Recogedor telescópico / *Telescopic joint pick up*	
2	62172, 62446	Tenazas / *Pincers*	
1	62170	Tijeras / *Tin snips*	

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73 PCS.

MM

COD.	PCS.		Kg
69395	73	51012	20



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	69249	Juego de llaves fijas / *Open end wrenches set*	8 pcs
1	61113	Llave ajustable Unique Plus Titacrom® / *Unique Plus Titacrom® Adjustable wrench*	1/2"
8	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831	Llaves de tubo doble boca / *Socket double ended wrenches*	-
10	61500	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6/8/10, hex.
1	62332	Alicate universal Titacrom® Bimat / *Titacrom® Bimat combination pliers*	-
	62344	Alicate cortaalambres Titacrom® Bimat Heavy Duty / *Titacrom® Bimat, Heavy Duty cutting knippers*	
	62297	Tenaza canal Bimat / *Bimat box joint pliers*	
	62172	Tenaza Grip curva / *Curved Grip pliers*	
	62349	Alicate pelacables Titacrom® Bimat / *Titacrom® Bimat wirestripper*	
	62124	Tenaza rusa Titacrom® / *Titacrom® Tower pincer*	
	61005	Llave Stillson / *Stillson pipe wrench*	18"
	63748	Arco de Sierra / *Hack Saw*	-
10	64435	Hojas de sierra acero al carbono / *Carbon steel hacksaw blade*	24 dientes / *24 teeth*
1	62159	Tijera cortachapa / *Tin Snip*	-
	69501	Cortadores / *Cutters*	
	62151	Tenaza cortacables / *Cable cutters*	
	69614	Martillo de bola / *Ball pein hammer*	
	69608	Martillo uña mod. americano / *Mod. americano claw hammer*	
	55326	Martillo de nylon / *Nylon hammer*	
	69520	Maceta goma / *Rubber hammer*	
5	66875, 66877, 66879, 66881, 66882	Destornilladores mecánico Rotork / *Rotork slotted screwdrivers*	
2	66908, 66909	Destornilladores Pozidriv® Rotork / *Pozidriv® Rotork screwdrivers*	
	76652, 76653	Destornilladores varilla protegida Rotork / *Rotork Insulated screwdrivers*	
	76656, 76657	Destornilladores varilla protegida Phillips® Rotork / *Rotork Phillips® insulated screwdrivers*	
	66921, 66923	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
1	66071	Destornillador buscapolos / *Voltage tester screwdriver*	
	63000	Carraca / *Ratchet*	
2	63003, 63004	Cabezas / *Heads*	
1	69506	Desatascador de muelle / *Spring pipe cleaner*	
	68058	Kit reparador de grifos / *Valve reseater*	
	67019	Paleta mod. Madrid / *Madrid mod. bricklayer*	
	67021	Espátula / *Scraper*	

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BASIC 39 PCS.



COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Medidas en / *Sizes in* / Mesures en	Kg
51550	39	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50994	mm	6,0

Composición / *Composition* / Composition

65172, 69622, 61496, 66440, 66439, 66405, 66402, 66401, 62135, 61908, 61438, 66732, 61435, 61443, 61321, 61320, 61319, 61318, 61317, 61316, 61315, 61314, 61313, 63975, 61312, 63974, 61311, 62606, 62343, 62332

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Medidas en / *Sizes in* / Mesures en	Kg
51553	39	América / *America* / L'Amérique	50994	inch	6,0

Composición / *Composition* / Composition

60423, 65363, 69622, 61495, 66440, 66439, 55335, 55333, 55331, 62106, 61908, 62603, 60422, 60421, 60420, 66732, 61444, 61443, 61442, 61438, 61435, 60430, 60429, 60428, 60427, 60426, 60425, 60424, 62343, 62332

ADVANCED 72 PCS.



COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Medidas en / *Sizes in* / Mesures en	Kg
51551	72	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50995	mm	18

Composición / *Composition* / Composition

55326, 63681, 63645, 63609, 63573, 63537, 65158, 65172, 69622, 61496, 66053, 66052, 61741, 61738, 61736, 61733, 61732, 61731, 61730, 61729, 61728, 61727, 66442, 66441, 66440, 66439, 66408, 66407, 66405, 66402, 66401, 62135, 63915, 63399, 63398, 63397, 63396, 63395, 63394, 61908, 61437, 61458, 61455, 61816, 61815, 61814, 61813, 61811, 61810, 61809, 61808, 61807, 61806, 61805, 61804, 61803, 61802, 61801, 61800, 62606, 62343, 62339, 62332

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Medidas en / *Sizes in* / Mesures en	Kg
51554	72	América / *America* / L'Amérique	50995	inch	18

Composición / *Composition* / Composition

55326, 63681, 63645, 63609, 63573, 63537, 65158, 65363, 69622, 61495, 66053, 66052, 60354, 60352, 60351, 60349, 60348, 60347, 60345, 60344, 60343, 60342, 66442, 66441, 66440, 66439, 55338, 55337, 55335, 55333, 55331, 62106, 63915, 63399, 63398, 63397, 63396, 63395, 63394, 61908, 61437, 61458, 61455, 60474, 60473, 60472, 60471, 60470, 60469, 60468, 60467, 60459, 60466, 60465, 60464, 60463, 60462, 60461, 60460, 62606, 62343, 62339, 62332

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MASTER 102-103 PCS.



COD.	PCS.	Utilizado en / *Used in* / Utilisé dans			Medidas en / *Sizes in* / Mesures en	Kg
51552	103	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50995, 50994	50986	mm	25

Composición / *Composition* / Composition

55326, 63396, 63299, 76732, 76654, 76652, 63573, 62848, 62847, 63436, 63416, 62871, 63681, 63645, 63609, 63537, 65158, 65172, 62824, 69622, 63876, 62170, 56567, 61496, 61741, 61738, 61736, 61733, 61732, 61731, 61730, 61729, 61728, 61727, 76735, 76658, 76657, 76656, 76655, 76733, 76653, 62707, 63915, 51257, 65480, 65603, 61908, 61438, 66732, 61435, 61443, 61321, 61320, 61319, 61318, 61317, 61316, 61315, 61314, 61313, 63975, 61312, 63974, 61311, 62603, 61437, 61458, 61455, 61816, 61815, 61814, 61813, 61811, 61810, 61809, 61808, 61807, 61806, 61805, 61804, 61803, 61802, 61801, 61800, 62606, 62097, 76595, 76591, 76683

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans			Medidas en / *Sizes in* / Mesures en	Kg
51555	102	América / *America* / L'Amérique	50995, 50994	50986	inch	25

Composición / *Composition* / Composition

55326, 63299, 62848, 62847, 63436, 63416, 62871, 63396, 63681, 63645, 63609, 63573, 63537, 65158, 65362, 62824, 69622, 63876, 62170, 56567, 61495, 60354, 60352, 60351, 60349, 60348, 60347, 60345, 60344, 60343, 60342, 76735, 76658, 76657, 76656, 76655, 75178, 75177, 75176, 75175, 62707, 63915, 51257, 65480, 65603, 61908, 61444, 61442, 61438, 66732, 61435, 61443, 60430, 60429, 60428, 60247, 60426, 60425, 60424, 60423, 60422, 60421, 60420, 62606, 61437, 61458, 61455, 60474, 60473, 60472, 60471, 60470, 60469, 60468, 60467, 60459, 60466, 60465, 60464, 60463, 60462, 60461, 60460, 62606, 62097, 76595, 76591, 76583

JUEGOS PROFESIONALES DE FONTANERÍA / *PROFESSIONAL PLUMBING SETS* / SETS PROFESSIONNELS POUR PLOMBERIE / *PROFESSIONAL WERKZEUGSETS FÜR KLEMPNER* / SET PROFESSIONALI DI IDRAULICA / *JOGOS PROFISSIONAL DE CANALIZAÇÃO* / НАБОР САНТЕХНИКА

BASIC 8 PCS.



COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Kg
51535	8	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50994	8,0

Composición / *Composition* / Composition

61004, 63171, 61480, 62135, 63205, 68003, 61237, 63119

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Kg
51538	8	Centro y norte de Europa / *Central and northern Europe* / Centre et Nord d'Europe	50994	8,0

Composición / *Composition* / Composition

61011, 63171, 61480, 62135, 63205, 68003, 61237, 63119

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Kg
51541	8	América / *America* / L'Amérique	50994	8,0

Composición / *Composition* / Composition

63119, 63171, 61480, 62106, 61017, 63205, 68001, 61237

ADVANCED 38 PCS.







COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Kg
51536	38	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50994, 50984	15

Composición / *Composition* / Composition

55326, 63097, 61004, 63370, 61708, 61707, 65148, 65172, 63205, 68003, 63171, 61237, 69614, 63119, 66053, 66052, 66440, 66439, 66404, 66402, 66401, 62135, 61480, 61511, 61706, 61705, 61704, 61703, 61702, 61701, 62333

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Kg
51539	38	Centro y norte de Europa / *Central and northern Europe* / Centre et Nord d'Europe	50994, 50984	15

Composición / *Composition* / Composition

55326, 63097, 61011, 63370, 61708, 61707, 65148, 65172, 63205, 68003, 63171, 61237, 69614, 63119, 66053, 66052, 66440, 66439, 66404, 66402, 66401, 62135, 61480, 61511, 61706, 61705, 61704, 61703, 61702, 61701, 62333

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Kg
51542	38	América / *America* / L'Amérique	50994, 50984	15

Composición / *Composition* / Composition

55326, 63097, 65148, 63370, 61480, 61017, 65362, 63205, 68001, 63171, 61237, 69614, 63119, 66053, 66052, 66440, 66439, 55334, 55332, 55331, 62106, 61495, 60311, 60309, 60310, 60306, 60305, 60304, 60303, 60302, 62333

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MASTER 56 PCS.



COD.	PCS.	Utilizado en / *Used in* / Utilisé dans			
51537	56	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50995, 50984	50986	21

Composición / *Composition* / **Composition**

63076, 58641, 55326, 63097, 68178, 68182, 63299, 61708, 61707, 62848, 62847, 63436, 63416, 62871, 63396, 68180, 68175, 63208, 63121, 61004, 65148, 68059, 65172, 63205, 68003, 63171, 61237, 69614, 63876, 63119, 66053, 66052, 66440, 66439, 66404, 66402, 66401, 62707, 61481, 61035, 61511, 61706, 61705, 61704, 61703, 61702, 61701, 62343, 62333

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans			
51540	56	Centro y norte de Europa / *Central and northern Europe* / Centre et Nord d'Europe	50995, 50984	50986	21

Composición / *Composition* / **Composition**

63076, 58641, 55326, 63097, 68178, 68182, 65172, 61011, 63299, 65158, 68059, 68180, 68175, 63208, 63121, 62848, 62847, 63436, 63416, 62871, 63396, 63205, 68003, 63171, 61237, 69614, 63876, 63119, 66053, 66052, 61708, 61707, 66440, 66439, 66404, 66402, 66401, 62707, 61481, 61035, 61511, 61706, 61705, 61704, 61703, 61702, 61701, 62343, 62333

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans			
51543	56	América / *America* / L'Amérique	50995, 50984	50986	21

Composición / *Composition* / **Composition**

63076, 58641, 55326, 63097, 68178, 68182, 63299, 61708, 61707, 62848, 62847, 63436, 63416, 62871, 63396, 68180, 68175, 63208, 63121, 61004, 65148, 68059, 65172, 63205, 68003, 63171, 61237, 69614, 63876, 63119, 66053, 66052, 66440, 66439, 66404, 66402, 66401, 62707, 61481, 61035, 61511, 61706, 61705, 61704, 61703, 61702, 61701, 62343, 62333

JUEGOS PROFESIONALES DE ELECTRICIDAD / *PROFESSIONAL ELECTRICIAN SETS* / SETS PROFESSIONNELS POUR ÉLECTRICIENS / *PROFESSIONAL WERKZEUGSETS FÜR ELEKTRIKER* / SET PROFESSIONALI DI ELETTRICITÀ / *JOGOS PROFISSIONAL DE ELETRICIDADE* / НАБОР ЭЛЕКТРИКА

BASIC 11-12 PCS.



COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Medidas en / *Sizes in* / Mesures en	
51544	12	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50983	mm	5,0

Composición / *Composition* / **Composition**

76603, 76552, 76654, 76652, 73042, 73035, 76595, 76583, 76657, 76656, 76653, 76651

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Medidas en / *Sizes in* / Mesures en	Kg
51547	11	América / *America* / L'Amérique	50983	inch	5,0

Composición / *Composition* / Composition

76603, 76552, 73042, 73035, 76595, 76583, 76657, 76656, 75177, 75176, 75175

ADVANCED 33-34 PCS.



COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Medidas en / *Sizes in* / Mesures en	Kg
51545	34	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50994	mm	11

Composición / *Composition* / Composition

76603, 55326, 73036, 73004, 76552, 76732, 76654, 76652, 73073, 73071, 73067, 73065, 73064, 73062, 73042, 76147, 73035, 79058, 65158, 65173, 69603, 63876, 65868, 73257, 76595, 76583, 76735, 76658, 76657, 76656, 76655, 76733, 76653, 76651

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans		Medidas en / *Sizes in* / Mesures en	Kg
51548	33	América / *America* / L'Amérique	50994	inch	11

Composición / *Composition* / Composition

76603, 55326, 73036, 73001, 76552, 73054, 73052, 73050, 73048, 73047, 73046, 73042, 76147, 73035, 79058, 65158, 65363, 69603, 63876, 65868, 73257, 76595, 76583, 76735, 76658, 76657, 76656, 76655, 75179, 75178, 75177, 75176, 75175

MASTER 53-54 PCS.



COD.	PCS.	Utilizado en / *Used in* / Utilisé dans			Medidas en / *Sizes in* / Mesures en	Kg
51546	54	Sur de Europa / *Southern Europe* / Le Sud d'Europe	50983, 50984	50986	mm	15

Composición / *Composition* / Composition

73040, 51257, 58641, 79058, 73036, 73035, 73029, 63876, 69603, 55326, 79373, 79372, 79372, 79371, 79370, 76552, 73073, 73071, 73069, 73068, 73067, 73066, 73065, 73064, 73063, 73062, 65868, 76735, 76733, 76732, 76730, 76658, 76657, 76656, 76655, 76654, 76653, 76652, 76651, 75203, 75202, 75158, 75157, 75156, 73004, 76603, 76597, 76595, 76590, 76583, 73257, 73042, 62602, 65173, 65158

COD.	PCS.	Utilizado en / *Used in* / Utilisé dans			Medidas en / *Sizes in* / Mesures en	Kg
51549	53	América / *America* / L'Amérique	50983, 50984	50986	inch	15

Composición / *Composition* / Composition

69603, 76603, 76590, 58641, 55326, 73036, 73001, 76552, 65868, 79382, 79381, 79380, 79377, 73054, 73052, 73051, 73050, 73049, 73048, 73047, 73046, 73045, 73043, 73029, 73042, 73035, 73040, 79058, 65158, 65363, 51257, 63876, 75203, 75202, 79491, 79490, 79489, 62602, 73257, 76597, 76595, 76583, 76735, 76658, 76657, 76656, 76655, 75179, 75178, 75177, 75176, 75175, 75172

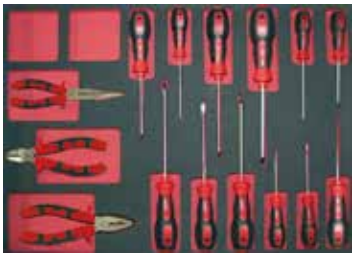
BANDEJAS / *TRAYS* / PLATEAUX / *ABLAGEKASTEN* / PANNELLO / *TABULEIROS* / ПОДДОНЫ



15 PCS.

COD.	PCS.		L x W (mm)	Kg
68954	15	51025, 51039, 50950, 51045	565 x 405	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
12	66400, 66401, 66403, 66405, 66439, 66440, 66478, 66479, 66480, 66481, 66483, 66484	Destornilladores Mastertork: mecánico, Phillips®, Torx® / *Screwdrivers Mastertork: slotted, Phillips®, Torx®*
3	62332, 62339, 62343	Alicates Titacrom®: universal, telefonista y corte diagonal / *Pliers Titacrom®: combination, long nose, diagonal plier*



26 PCS.

COD.	PCS.		L x W (mm)	Kg
68955	26	51025, 51039, 50950, 51045	565 x 405	5,5

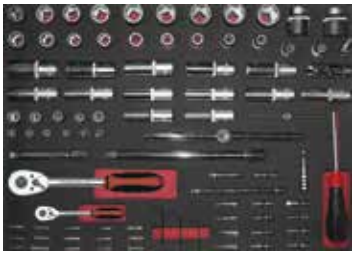
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
26	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750	Llaves combinadas cromado aeroespacial / *Aerospatial chrome plating combination wrenches*



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89 PCS.

COD.	PCS.		L x W (mm)	Kg
68956	89	51025, 51039, 50950, 51045	565x 405	7,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
46	61800, 61801, 61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61812, 61813, 61814, 61815, 61816, 61817, 61818, 61819, 61822, 61823, 61311, 61312, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321, 65044, 65045, 65046, 65047, 65048, 65049, 65050, 65051, 65052, 65053, 65054, 65055, 65056	Llaves de vaso / *Socket wrenches*
2	61438, 61440	Mango correrizo en T / *Sliding "T" handle*
4	61442, 61444, 61455, 61458	Alargadera / *Extension*
2	62603,62606	Llave de carraca reversible / *Reversible ratchet handle*
	61435, 61437	Articulación universal / *Universal joint*
1	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*
15	58230, 58231, 58232, 58242, 58243, 58247, 58248, 58253, 58254, 58255, 58164, 58165, 58271, 58155, 58272	Puntas de destornillador Masterbit / *Masterbit bits*
3	61501, 61502, 61503	Llaves hexagonales / *Hexagonal keys*
1	66264	Adaptador portapuntas magnético / *Magnetic bit holder*
13	66733, 66734, 66735, 66737, 66738, 66740, 66741, 66748, 66750, 66751, 66752, 66753, 66755	Puntas atornilladoras con vaso / *Socket bits*

16 PCS.

COD.	PCS.		L x W (mm)	Kg
68957	16	51025, 51039, 50950, 51045	565 x 405	4,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	63742	Arco de sierra / *Hack Saw*
3	62169, 62170, 62171	Tijera articulada / *Aviation tin snip*
1	63876	Cortadores / *Cutters*
3	62848, 62850, 62851	Cincel mecánico / *Flat cold chisel*
6	63394, 63395, 63396, 63397, 63398, 63399	Botador / *Pin punch*
1	69621	Martillo alemán / *German type machinist's hammer*
	55326	Maceta de nylon / *Nylon hammer*

18 PCS.

COD.	PCS.		L x W (mm)	Kg
68958	18	51025, 51039, 50950, 51045	565 x 405	3,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
11	63498, 63570, 63606, 63642, 63678, 63714, 63715, 63716, 63717, 63718, 63719	Limas / *Files*
4	62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*
1	62172	Tenaza Grip / *Grip plier*
	61944	Llave ajustable / *Adjustable wrench*
	62707	Tenaza de canal / *Box joint*

7 PCS.

COD.	PCS.		L x W (mm)	Kg
68959	7	51025, 51039, 50950, 51045	565 x 405	2,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	69534	Tijera electricista / *Electrician´s scissors*
	62494	Tenaza para engastar / *Crimping plier*
	62151	Tenaza cortacables / *Cable cutters*
	65167	Flexómetro / *Measuring tape*
	65293	Nivel trapezoidal profesional / *Professional bridge type spirit level*
	65480	Calibre / *Caliper*
	66073	Buscapolos / *Voltage tester*

MOBILIARIO INDUSTRIAL MODULAR / *MODULAR INDUSTRIAL FURNITURE* / MOBILIER INDUSTRIEL MODULAIRE / *MODULARE INDUSTRIEMÖBEL* / MOBILIO INDUSTRIALE MODULARE / *MOBILIÁRIO INDUSTRIAL MODULAR* / МОДУЛЬНАЯ ПРОИЗВОДСТВЕННАЯ МЕБЕЛЬ

ARMARIO ALTO / *TALL CABINET* / ARMOIRE HAUTE / *GROSSE WERKZEUGSCHRANK* / ARMADIO ALTO / *ARMÁRIO VERTICAL 2 PORTAS* / ВЫСОКИЙ ШКАФ-КАБИНЕТ

915 × 458 × 2000

COD.	L x W x H (mm)	Kg
50111	915 x 458 x 2000	78

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

4 baldas incluidas / *4 shelves included* / 4 étagères incluses



600 × 458 × 2000

COD.	L x W x H (mm)	Kg
50112	600 x 458 x 2000	55

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

4 baldas incluidas / *4 shelves included* / 4 étagères incluses



BALDA / *SHELF* / ÉTAGÈRE / *REGAL* / RIPIANO / *PRATELEIRA* / ПОЛКА

COD.	L x W x H (mm)	Válido para / *Valid for* / Valable pour
50110	913 x 456 X 30	50111



ARMARIO DE PARED / *WALL CABINET* / ARMOIRE MURALE / *WANDSCHRANK* / ARMADIO DA PARETE / *ARMÁRIO DE PAREDE* / НАСТЕННЫЙ ШКАФ-КАБИНЕТ

680 × 281 × 350

COD.	L x W x H (mm)	Kg
50113	680 x 281 x 350	10

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Puerta abatible hacia arriba / *Lift up door* / Porte rabattable vers le haut



COD.	L x W x H (mm)	Kg
50114	680 x 281 x 350	8,5

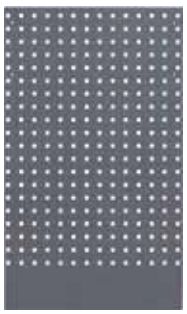
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Puerta corredera / *Sliding door* / Porte coulissante



PANEL COLGADOR / *HANGING PANEL* / PANNEAU ACROCHABLE / *RÜCKWANDTAFEL* / PANNELLI FORATI / *PAINEL PARA FERRAMENTAS* / НАСТЕННАЯ ПАНЕЛЬ

COD.	L x W x H (mm)	Kg
50137	1052 x 614,5 x 24	5,5
50136	1052 x 800 x 24	7,0



GANCHOS OPCIONALES / *OPTIONAL HOOKS* / CROCHETS OPTIONNELS / *OPTIONALE HAKEN* / GANCI OPZIONALI / *GANCHOS OPCIONAIS* / ДОПОЛНИТЕЛЬНЫЕ КРЮЧКИ

COD.	L x W x H (mm)
90312	60 x 35 x 58



COD.	L x W x H (mm)
90313	60 x 41 x 58



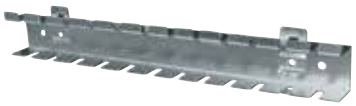
COD.	L x W x H (mm)
90315	60 x 35 x 25



COD.	L x W x H (mm)
90316	60 x 87 x 58



COD.	L x W x H (mm)
90314	370 x 34 x 48



BALDA / *SHELF* / ÉTAGÈRE / *REGAL* / MENSOLA / *PRATELEIRA* / ПОЛКА

COD.	L x W x H (mm)	Kg
50138	602 x 281 x 178	3,0



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Máx. capacidad de carga / *Max. weight capacity* / Capacité maximum de charge	5 kg

COLUMNA / *PILLAR* / COLONNE / *SAÜLE* / COLONNA / *COLUNA* / РЕЙКА

32,5 × 30 × 1420

COD.	L x W x H (mm)	Kg
50117	32,5 x 30 x 1420	1,5



ARMARIO DOBLE PUERTA / *2 DOOR CABINET* / ARMOIRE À DOUBLE PORTE / *2 TURIGE SCHRANK* / ARMADIO A DUE PORTE / *ARMÁRIO BAIXO COM PORTA SIMPLES* / ДВУДВЕРНЫЙ КАБИНЕТ

680 × 458 × 910

COD.	L x W x H (mm)	Kg
50118	680 x 458 x 910	38

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
1 balda incluida / *1 shelf included* / 1 étagère incluse



BALDA / *SHELF* / ÉTAGÈRE / *REGAL* / RIPIANO / *PRATELEIRA* / ПОЛКА

N!	COD.	L x W x H (mm)	Válido para / *Valid for* / Valable pour
	50109	67 x 42 x 2,5	50118



PAPELERA CON SUJETAPAPEL / *TRASH BIN WITH PAPER HOLDER* / CORBEILLE A PRESSE-PAPIER / *MÜLLEIMER MIT PAPIERHALTER* / MODULO FISSO DI SERVIZIO PER ARREDO OFFICINA / *CAIXOTE DO LIXO COM SUPORTE DE PAPEL* / МУСОРОСБОРНИК С ВСТРОЕННЫМ ДЕРЖАТЕЛЕМ РУЛОННОЙ БУМАГИ

680 × 458 × 910

COD.	L x W x H (mm)	Kg
50119	680 x 458 x 910	55



ARMARIO DE 4 CAJONES / *4 DRAWER CABINET* / SERVANTES DE 4 TIROIRS / *WERKZEUGWAGEN MIT 4 SCHUBLADEN* / ARMADIO CON 4 CASSETTI / *CARROS + 4 GAVETAS* / ШКАФ-КАБИНЕТ С ЧЕТЫРЬМЯ ВЫДВИЖНЫМИ ЯЩИКАМИ

680 × 458 × 910

COD.	L x W x H (mm)	Kg
50120	680 x 458 x 910	55



ARMARIO DE 5 CAJONES / *5 DRAWER CABINET* / SERVANTES DE 5 TIROIRS / *WERKZEUGWAGEN MIT 5 SCHUBLADEN* / ARMADIO CON 5 CASSETTI / *CARROS + 5 GAVETAS* / ШКАФ-КАБИНЕТ С ПЯТЬЮ ВЫДВИЖНЫМИ ЯЩИКАМИ

680 × 458 × 910

COD.	L x W x H (mm)	Kg
50121	680 x 458 x 910	60



680 × 458 × 731,5

COD.	L x W x H (mm)	Kg
50122	680 x 458 x 731,5	46

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con ruedas / *With wheels* / Avec roues



SOPORTE / *SUPPORT* / SUPPORT / *HALTER* / SUPPORTO / *SUPORTE* / СРЕДНЯЯ

COD.	L x W x H (mm)	Válido para / *Valid for* / Valable pour	Kg
50135	450 x 330 x 32	50122	1,5



TABLERO LAMINADO / *PRESSED WOODEN BOARD* / PLATEAU BOIS / *HOLZ-ARBEITSPLATTE* / PANNELLO LAMINATO / *TAMPO EM MADEIRA* / СТОЛЕШНИЦА ИЗ ПРЕССОВАННОЙ ДРЕВЕСИНЫ

COD.	L x W x H (mm)	Kg
50123	680,5 x 463 x 36	6,0
50124	1361 x 463 x 36	13
50125	2041,5 x 463 x 36	19



TABLERO INOXIDABLE / *STAINLESS BOARD* / PLATEAU INOX / *EDELSTAHL BRETT* / PANNELLO INOX / *TAMPO EM AÇO INOXIDÁVEL* / СТОЛЕШНИЦА ИЗ Н/Ж СТАЛИ

COD.	L x W x H (mm)	Kg
50126	680,5 x 463 x 38	11
50127	1361 x 463 x 38	21
50128	2041,5 x 463 x 38	32



ARMARIO DE PARED EN ESQUINA / *CORNER WALL CABINET* / ARMOIRE MURALE D'ANGLE / *ECKWAND KABINETT* / ARMADIO DA PARETE AD ANGOLO / *ARMÁRIO DE ESQUINA* / УГЛОВОЙ НАСТЕННЫЙ КАБИНЕТ

865 × 865 × 350

COD.	L x W x H (mm)	Kg
50130	865 x 865 x 350	21



MADERA LAMINADA EN ESQUINA / *CORNER PRESSED WOOD* / PLATEAU D'ANGLE BOIS / *ECKIG GEPRESSTEM HOLZBRETT* / COPERCHIO IN LEGNO LAMINATO AD ANGOLO / *TABULEIRO ANGULAR EM MADEIRA* / УГЛОВАЯ СТОЛЕШНИЦА ИЗ ПРЕССОВАННОЙ ДРЕВЕСИНЫ

865 × 865 × 36

COD.	L x W x H (mm)	Kg
50131	865 x 865 x 36	13



TAPA INOXIDABLE EN ESQUINA / *CORNER STAINLESS TOP* / COUVERCLE INOX, D`ÀNGLE / *ECKIGE EDELSTAHL BRETT* / COPERCHIO IN INOX AD ANGOLO / *TABULEIRO ANGULAR EM AÇO INOXIDÁVEL* / УГЛОВАЯ СТОЛЕШНИЦА ИЗ Н/Ж СТАЛИ

865 × 865 × 38,6

COD.	L x W x H (mm)	Kg
50133	865 x 865 x 38,6	18



ARMARIO BAJO EN ESQUINA / *CORNER BASE CABINET* / MEUBLE D'ANGLE BAS / *ECKUNTERSCHRANK* / ARMADIO BASSO AD ANGOLO / *ARMÁRIO BAIXO DE ESQUINA* / УГЛОВОЙ СТОЛ-КАБИНЕТ

865 × 865 × 910

COD.	L x W x H (mm)	Kg
50134	865 x 865 x 910	42



COMBINATION 1

2275 × 2000

COD.	L x H (mm)
50101	2275 x 2000

PCS.	COD. PCS.
1	50111
	50113
	50114
2	50137
5	50117
1	50124
	50121
	50118



COMBINATION 2

2640 × 2000

COD.	L x H (mm)
50102	2640 x 2000

PCS.	COD. PCS.
1	50112
2	50113
1	50114
3	50137
7	50117
1	50125
	50121
	50122
	50118



COMBINATION 3

2955 × 2000

COD.	L x H (mm)
50103	2955 x 2000

PCS.	COD. PCS.
1	50111
2	50113
1	50114
3	50137
7	50117
1	50125
	50121
	50119
	50118

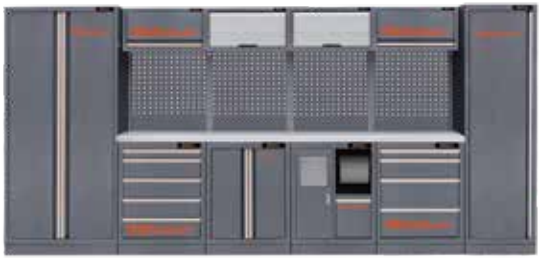


COMBINATION 4

4235 × 2000

COD.	L x H (mm)
50104	4235 x 2000

PCS.	COD. PCS.
1	50111
	50112
2	50113
	50114
4	50137
10	50117
2	50127
1	50121
	50119
	50118
	50120



COMBINATION 5

4915 × 2000

COD.	L x H (mm)
50105	4915 x 2000

PCS.	COD. PCS.
1	50111
	50112
	50121
	50118
	50120
	50122
	50119
2	50114
3	50113
5	50137
12	50117
1	50128
	50127



COMBINACIÓN DE ALMACENAJE EN ESQUINA / *CORNER STORAGE COMBINATION* / COMBINAISON DE STOCKAGE D'ANGLE / *ECKIGE LAGERUNGSKOMBINATION* / COMBINAZIONE STOCCAGGIO AD ANGOLO / *COMBINAÇAO DE ARMAZÉM DE ESQUINA* / УГЛОВОЙ КОМПЛЕКТ МЕБЕЛИ

865 × 2000

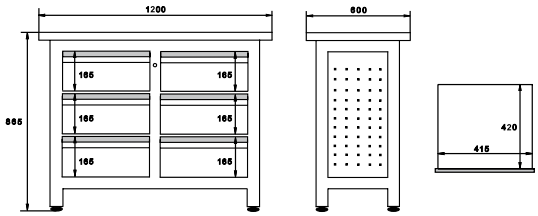
COD.	L x H (mm)
50106	865 x 2000

PCS.	COD. PCS.
1	50130
6	50117
1	50131
2	50136
1	50134



MESAS DE TRABAJO / *WORK BENCHES* / TABLES DE MONTEUR / *ARBEITSTISCHE* / TAVOLI DI LAVORO / *BANCADAS DE TRABALHO* / РАБОЧИЕ ВЕРСТАКИ

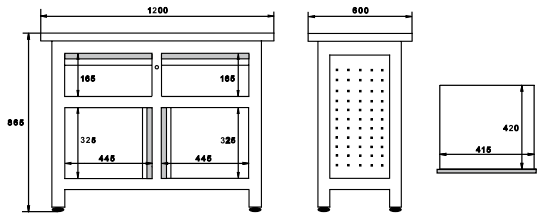
1200 × 600 × 865



COD.	L x W x H (mm)	Kg
51557	1200 x 600 x 865	80



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	6
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 Kg

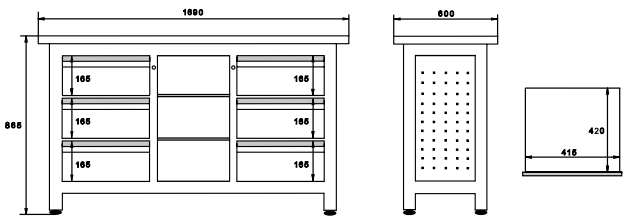


COD.	L x W x H (mm)	Kg
51556	1200 x 600 x 865	70



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Puertas / *Doors* / Portes	2
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	2
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 Kg

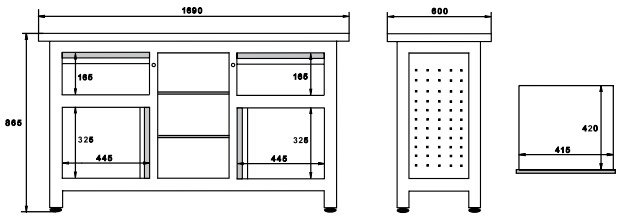
1690 × 600 × 865



COD.	L x W x H (mm)	Kg
51578	1690 x 600 x 865	100



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Baldas / *Shelves* / Étagères	3
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	6
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 Kg



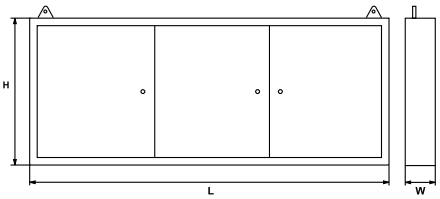
COD.	L x W x H (mm)	Kg
51577	1690 x 600 x 865	85

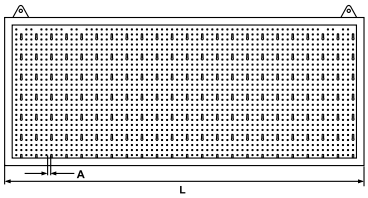


ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Baldas / *Shelves* / Étagères	3
Puertas / *Doors* / Portes	2
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	2
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 Kg

ARMARIOS DE PARED / *WALL CABINETS* / ARMOIRES MURALES / *WANDWERKZEUGSCHRANK* / ARMADI DA PARETE / *ARMÁRIO DE PAREDE* / ШКАФ ИНТРУМЕНТАЛЬНЫЙ НАСТЕННЫЙ

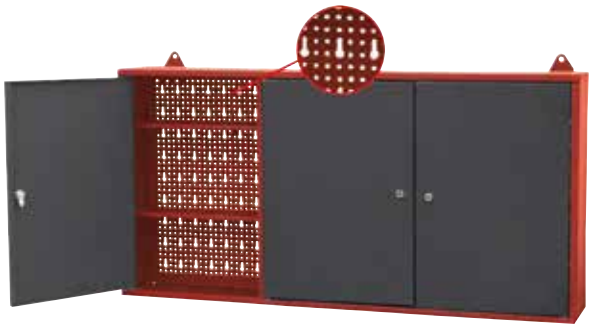
1200 × 200 × 600

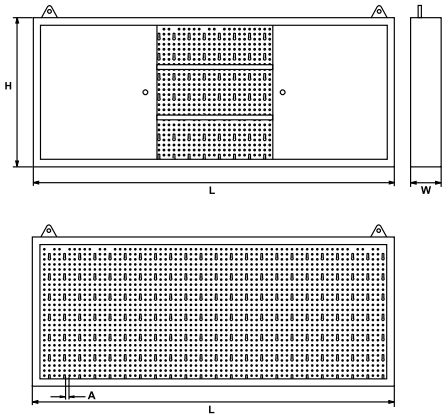




COD.	L x W x H (mm)	A (mm)	Kg
51475	1200 x 200 x 600	10	18

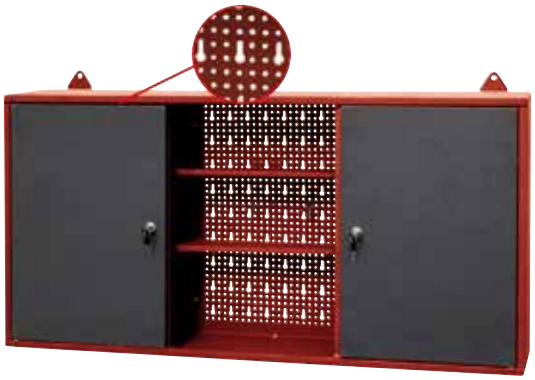
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Baldas / *Shelves* / Étagères	3
Puertas / *Doors* / Portes	3
Ganchos incluidos / *Hook included* / Crochets inclus	6 cortos: cod. 90172 - 12 largos: cod. 90173 / *6 shorts: cod. 90172 - 12 longs: cod. 90173* / 6 courts: cod. 90172 - 12 longs: cod. 90173
Cerradura con llave / *Key lock* / Serrure avec clé	●





COD.	L x W x H (mm)	A (mm)	Kg
51476	1200 x 200 x 600	10	16

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Baldas / *Shelves* / Étagères	3
Puertas / *Doors* / Portes	2
Ganchos incluidos / *Hook included* / Crochets inclus	6 cortos: cod. 90172 - 12 largos: cod. 90173 / *6 shorts: cod. 90172 - 12 longs: cod. 90173* / 6 courts: cod. 90172 - 12 longs: cod. 90173
Cerradura con llave / *Key lock* / Serrure avec clé	●

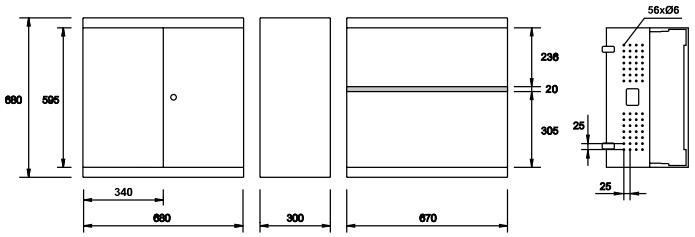


REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	
90172	Ganchos / *Hooks* / Crochets	Cortos / *Shorts* / Courts
90173		Largos / *Longs* / Longs



680 × 300 × 680



COD.	L x W x H (mm)	Kg
50976	680 x 300 x 680	17

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Baldas / *Shelves* / Étagères	1
Cerradura con llave / *Key lock* / Serrure avec clé	●

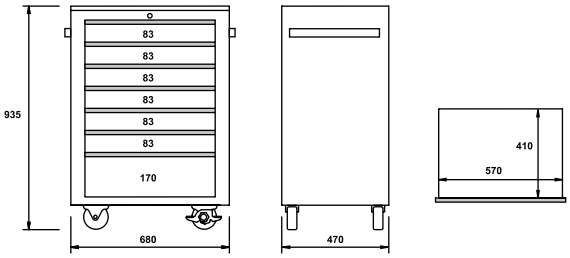


ARMARIOS-CARROS DE HERRAMIENTAS 100% INOX / *ROLLER CABINETS 100% INOX* / SERVANTES À ROUES 100% INOX / *WERKZEUGWAGEN 100% INOX* / CASSETTIERE MOBILI 100% INOX / *CARRO DE FERRAMENTAS 100% INOX* / ШКАФЫ-ТЕЛЕЖКИ ДЛЯ ИНСТРУМЕНТОВ 100% НЕРЖАВЕЮЩАЯ СТАЛЬ

680 × 470 × 935



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Kg
51558	680 x 470 x 935	Inox 304	65

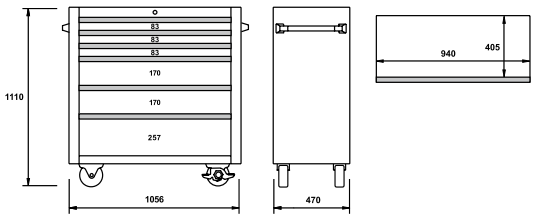
INOX

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	Exterior e interior 100% INOX / *Exterior and interior 100% INOX* / Extérieur et intérieur 100% INOX
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	7
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	320 Kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

1056 × 470 × 1110



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Kg
51559	1056 x 470 x 1110	Inox 304	95

INOX

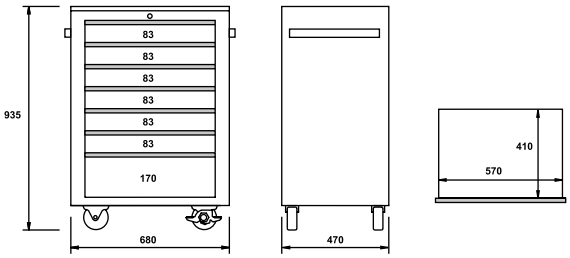
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	Exterior e interior 100% INOX / *Exterior and interior 100% INOX* / Extérieur et intérieur 100% INOX
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	6
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad cajones de altura 257 mm / *Capacity in 257 mm height drawers* / Capacité des tiroirs de 257 mm de haut	30 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	500 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

ARMARIOS-CARROS DE HERRAMIENTAS DE SUPERFICIES INOX* / *INOX SURFACE ROLLER CABINETS** / SERVANTES À ROUES AVEC SURFACE INOX* / *WERKZEUGWAGEN MIT INOX OBERFLÄCHE** / CASSETTIERE MOBILI PORTAUTENSILI DI SUPERFICI INOX* / *ARMÁRIOS-CARROS DE FERRAMENTA DE SUPERFÍCIE INOX** / ШКАФЫ-ТЕЛЕЖКИ ДЛЯ ИНСТРУМЕНТОВ С ПОКРЫТИЕМ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ*

680 × 470 × 935



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Material ruedas / *Wheel material* / Matière roues	Kg
51478	680 x 470 x 935	Inox 430	Inox 304	65

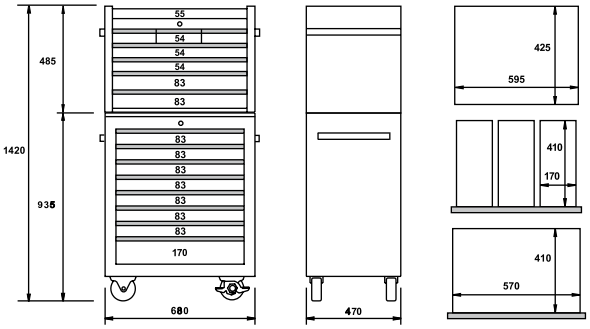
INOX

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / *Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel* / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	7
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	320 Kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

680 × 470 × 1420



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



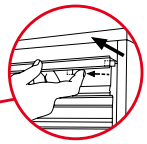
COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Material ruedas / *Wheel material* / Matière roues	Kg
51563	680 x 470 x 1420	Inox 430	Inox 304	110

INOX

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / *Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel* / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	14
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones 170 x 410 x 54 mm / *Drawer capacity 170 x 410 x 54 mm* / Capacité des tiroirs de 170 x 410 x 54 mm	15 kg
Capacidad cajones 570 x 410 x 54 mm / *Drawer capacity 570 x 410 x 54 mm* / Capacité des tiroirs de 570 x 410 x 54 mm	25 kg
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	470 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Tapa con doble pistón neumático / *Double pneumatic absorber equipped lid* / Couvercle avec double piston pneumatique	●

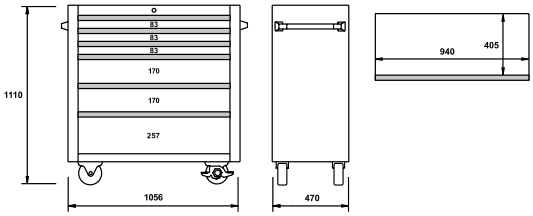
1056 × 470 × 1110







Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Material ruedas / *Wheel material* / Matière roues	Kg
51561	1056 x 470 x 1110	Inox 430	Inox 304	95

INOX

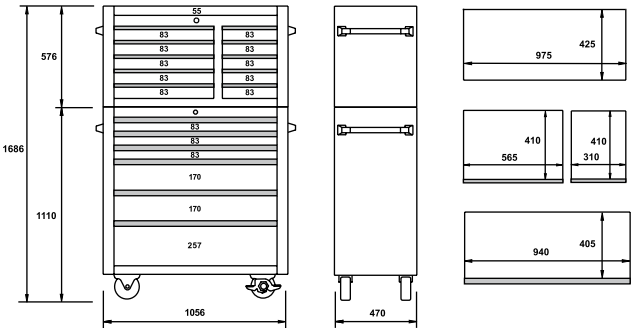
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / *Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel* / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	6
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad cajones de altura 257 mm / *Capacity in 257 mm height drawers* / Capacité des tiroirs de 257 mm de haut	30 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	500 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

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1056 × 470 × 1686



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Material ruedas / *Wheel material* / Matière roues	Kg
51564	1056 x 470 x 1686	Inox 430	Inox 304	170

INOX

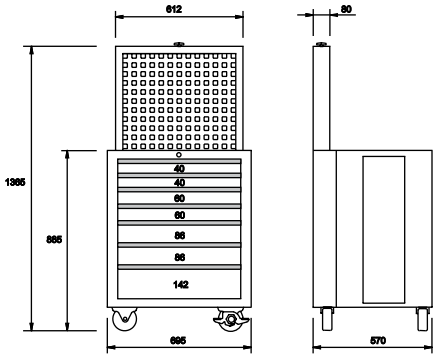
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / *Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel* / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	16
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 55 mm / *Capacity in 55 mm height drawers* / Capacité des tiroirs de 55 mm de haut	30 kg
Capacidad cajón 310 x 410 x 83 mm / *Drawer capacity 310 x 410 x 83 mm* / Capacité du tiroir 310 x 410 x 83 mm	25 kg
Capacidad cajón 565 x 410 x 83 mm / *Drawer capacity 565 x 410 x 83 mm* / Capacité du tiroir 565 x 410 x 83 mm	25 kg
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad cajones de altura 257 mm / *Capacity in 257 mm height drawers* / Capacité des tiroirs de 257 mm de haut	30 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	700 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

ARMARIOS-CARROS DE HERRAMIENTAS / *ROLLER CABINETS* / SERVANTES À ROUES / *WERKSTATTWAGEN* / CASSETTIERE MOBILI / *CARRO DE FERRAMENTAS COM GAVETAS* / ТЕЛЕЖКИ НА РОЛИКАХ

695 × 570 × 1365









Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs

COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
51045	695 x 570 x 1365	60	
51305			
51306			
51307			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
7 cajones con rodamientos / *7 ball-bearing slides* / 7 tiroirs à roulement	●
Número de agujeros del panel / *Number of holes of the panel* / Nombre de trous du panneau	12 x 12
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Sistema de cierre centralizado en el panel y en el carro / *Central locking system in the panle and in the cabinet* / Systéme de fermeture centralisée dans le panneau et la servante	●
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	500 kg
Capacidad cajones de altura 142 mm / *Capacity in 142 mm height drawers* / Capacité des tiroirs de 142 mm de haut	50 kg
Capacidad cajones de altura 86 mm / *Capacity in 86 mm height drawers* / Capacité des tiroirs de 86 mm de haut	40 kg
Capacidad cajones de altura 60 mm / *Capacity in 60 mm height drawers* / Capacité des tiroirs de 60 mm de haut	30 kg
Capacidad cajones de altura 40 mm / *Capacity in 40 mm height drawers* / Capacité des tiroirs de 40 mm de haut	30 kg
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Panel accionado neumáticamente / *Pneumatically operated panel* / Panneau actionné pneumatiquement	●

CAJAS DE PLÁSTICO / *PLASTIC BINS* / CAISSES EN PLASTIQUE / *KUNSTOFF BEHÄLTER* / CASSETTE DI PLASTICA / *CAIXA DE PLÁSTICO* / ПЛАСТИКОВЫЕ ЯЩИКИ

COD.	L x W x H (mm)		g	Color / *Colour* / Couleur
90185	140 x 105 x 75	90184	80	
90186	220 x 140 x 125		180	
90187	270 x 140 x 125		260	





SOPORTE PARA CAJAS DE PLÁSTICO / *BIN HOLDER FOR PLASTIC BINS* / SUPPORT POUR CAISSE EN PLASTIQUE / *HALTER FÜR KUNSTOFF BEHÄLTER* / SUPPORTO PER CASSETTE DI PLASTICA / *SUPORTE PARA CAIXAS PLÁSTICAS* / ПОДСТАВКА ДЛЯ ПЛАСТИКОВЫХ ЯЩИКОВ

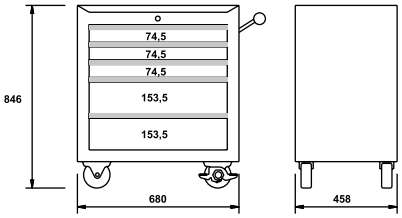
COD.	L x W x H (mm)		g
90184	440 x 39 x 19,5	90185, 90186, 90187	260

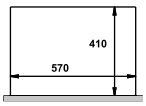


680 × 458 × 846











Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs

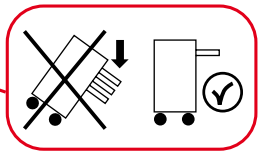
COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
51674	680 x 458 x 846	43	
51675			
51676			
51677			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
5 cajones con rodamientos / *5 ball-bearing slides* / 5 tiroirs à roulement	●
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Capacidad cajones de altura 74,5 mm / *Capacity in 74,5 mm height drawers* / Capacité des tiroirs de 74,5 mm de haut	20 kg
Capacidad cajones de altura 153,5 mm / *Capacity in 153,5 mm height drawers* / Capacité des tiroirs de 153,5 mm de haut	25 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●

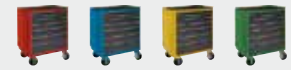
695 × 470 × 885



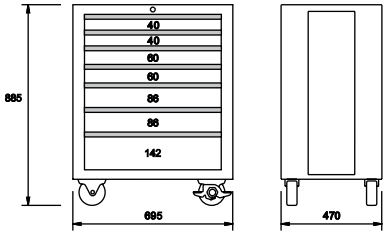


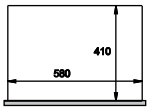


Sistema OODO Antivuelco
OODO Antioverturn System
(Only One Drawer Open)
Sistéme OODO Anti-renversement



Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs





COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
51025	695 x 470 x 885	50	
51484			
51496			
51508			

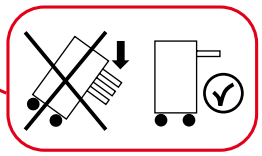
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
7 cajones con rodamientos */ 7 ball-bearing slides* / 7 tiroirs à roulement	●
2 ruedas fijas y 2 giratorias con freno */ 2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Capacidad cajones de altura 40 mm */ Capacity in 40 mm height drawers* / Capacité des tiroirs de 40 mm de haut	30 kg
Capacidad cajones de altura 60 mm */ Capacity in 60 mm height drawers* / Capacité des tiroirs de 60 mm de haut	30 kg
Capacidad cajones de altura 86 mm */ Capacity in 86 mm height drawers* / Capacité des tiroirs de 86 mm de haut	40 kg
Capacidad cajones de altura 142 mm */ Capacity in 142 mm height drawers* / Capacité des tiroirs de 142 mm de haut	50 kg
Capacidad de carga estática total */ Total static weight capacity* / Capacité totale de charge statique	500 kg
Sistema de cierre centralizado */ Central locking system* / Système de fermeture centralisée	●
Estructura reforzada */ Reinforced heavy duty structure* / Structure renforcée	●

EGA Master
ART IN INNOVATION

730 × 475 × 1030



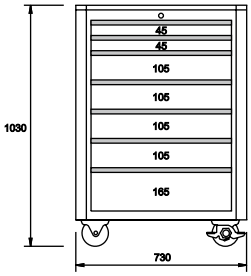


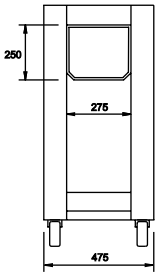


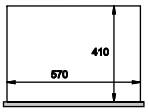
Sistema OODO Antivuelco
OODO Antioverturn System
(Only One Drawer Open)
Sistéme OODO Anti-renversement



Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs







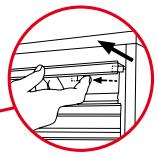
COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
51039	730 x 475 x 1030	50	
51486			
51498			
51510			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
7 cajones con rodamientos / *7 ball-bearing slides* / 7 tiroirs à roulement	●
Bandeja lateral plegable / *Lateral foldable tray* / Plateau lateral pliable	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	500 kg
Capacidad cajones de altura 165 mm / *Capacity in 165 mm height drawers* / Capacité des tiroirs de 165 mm de haut	50 kg
Capacidad cajones de altura 105 mm / *Capacity in 105 mm height drawers* / Capacité des tiroirs de 105 mm de haut	40 kg
Capacidad cajones de altura 45 mm / *Capacity in 45 mm height drawers* / Capacité des tiroirs de 45 mm de haut	30 kg
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Colgador lateral para herramientas / *Lateral tool holder* / Rangement latéral d'outils	●

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730 × 475 × 1500

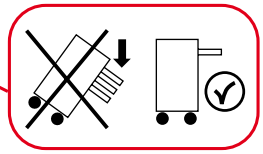




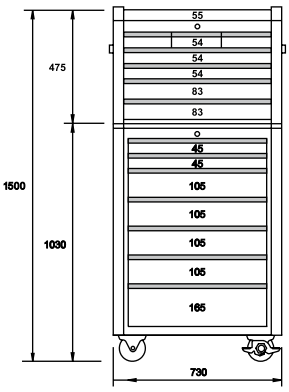
Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir

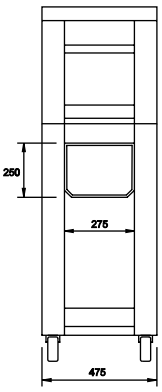


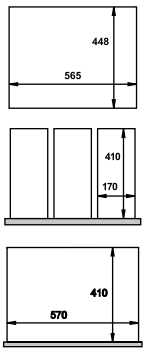
Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs



Sistema OODO Antivuelco
OODO Antioverturn System
(Only One Drawer Open)
Sistéme OODO Anti-renversement







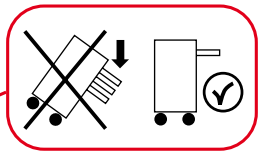
COD.	L x W x H (mm)			Kg	Color / *Colour* / Couleur
51117	730 x 475 x 1500	51039	51075	95	
51516		51486	51490		
51519		51498	51502		
51522		51510	51514		

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	●
Bandeja lateral plegable / *Lateral foldable tray* / Plateau lateral pliable	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Cofre con asas laterales / *Chest with side handles* / Coffre avec poignées latérales	●
Cofre: Capacidad de carga estática total / *Chest: Total static weight capacity* / Coffre: Capacité totale de charge statique	140 kg
Cofre: Capacidad cajones de 570 x 410 x 54 mm / *Chest: Capacity in 570 x 410 x 54 mm drawers* / Coffre: Capacité des tiroirs de 570 x 410 x 54 mm	20 kg
Cofre: Capacidad cajones de 170 x 410 x 54 mm / *Chest: Capacity in 170 x 410 x 54 mm drawers* / Coffre: Capacité des tiroirs de 170 x 410 x 54 mm	15 kg
Cofre: Capacidad cajón de altura 83 mm / *Chest: Capacity in 83 mm height drawer* / Coffre: Capacité du tiroir de 83 mm de haut	25 kg
Cofre: Capacidad cajón de altura 55 mm / *Chest: Capacity in 55 mm height drawer* / Coffre: Capacité du tiroir de 55 mm de haut	20 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	640 kg
Capacidad cajones de altura 165 mm / *Capacity in 165 mm height drawers* / Capacité des tiroirs de 165 mm de haut	50 kg
Capacidad cajones de altura 105 mm / *Capacity in 105 mm height drawers* / Capacité des tiroirs de 105 mm de haut	40 kg
Capacidad cajones de altura 45 mm / *Capacity in 45 mm height drawers* / Capacité des tiroirs de 45 mm de haut	30 kg
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Colgador lateral para herramientas / *Lateral tool holder* / Rangement latéral d'outils	●

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

722 × 482 × 1013

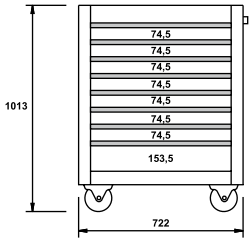


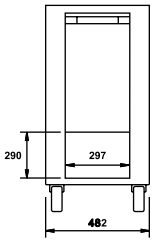


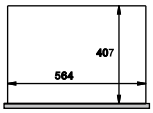
Sistema OODO Antivuelco
OODO Antioverturn System
(Only One Drawer Open)
Sistéme OODO Anti-renversement



Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs







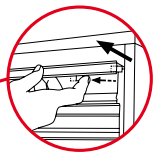
COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
50977	722 x 482 x 1013	75	
50978			
50979			
50980			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad cajon 564 x 407 x 153,5 mm / *Drawer capacity 564 x 407 x 153,5 mm* / Capacité du tiroir 564 x 407 x 153,5 mm	30 Kg
Capacidad cajones 564 x 407 x 74,5 mm / *Drawer capacity 564 x 407 x 74,5 mm* / Capacité des tiroirs de 564 x 407 x 74,5 mm	25 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	500 kg
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Papelera / *Trash tray* / Poubelle	●

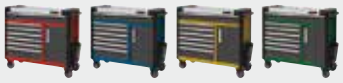
BE SAFE...BE EFFICIENT

1110 × 480 × 1015

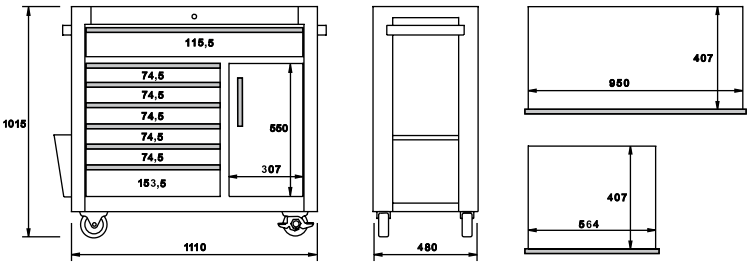




Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs



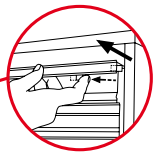
COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
50950	1110 x 480 x 1015	100	
50951			
50952			
50953			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad cajón 950 x 407 x 115,5 mm / *Drawer capacity 950 x 407 x 115,5 mm* / Capacité du tiroir 950 x 407 x 115,5 mm	30 kg
Capacidad cajon 564 x 407 x 153,5 mm / *Drawer capacity 564 x 407 x 153,5 mm* / Capacité du tiroir 564 x 407 x 153,5 mm	30 Kg
Capacidad cajones 564 x 407 x 74,5 mm / *Drawer capacity 564 x 407 x 74,5 mm* / Capacité des tiroirs de 564 x 407 x 74,5 mm	25 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	800 kg
7 cajones y 1 armario / *7 drawers and 1 closet* / 7 tiroirs et une armoire	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Papelera / *Trash tray* / Poubelle	●

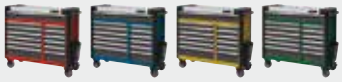
EGA Master
ART IN INNOVATION

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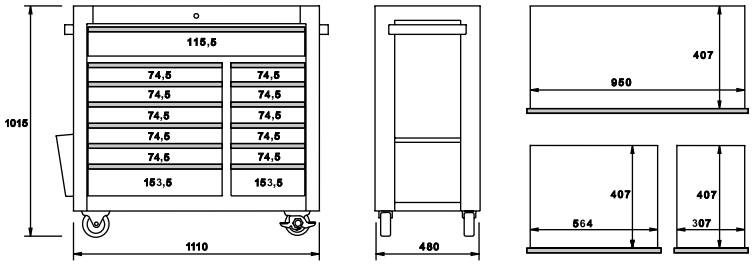




Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs

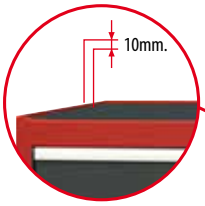


COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
50954	1110 x 480 x 1015	100	
50955			
50956			
50957			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad cajón 950 x 407 x 115,5 mm / *Drawer capacity 950 x 407 x 115,5 mm* / Capacité du tiroir 950 x 407 x 115,5 mm	30 kg
Capacidad cajon 564 x 407 x 153,5 mm / *Drawer capacity 564 x 407 x 153,5 mm* / Capacité du tiroir 564 x 407 x 153,5 mm	30 Kg
Capacidad cajones 564 x 407 x 74,5 mm / *Drawer capacity 564 x 407 x 74,5 mm* / Capacité des tiroirs de 564 x 407 x 74,5 mm	25 Kg
Capacidad cajon 307 x 407 x 153,5 mm / *Drawer capacity 307 x 407 x 153,5 mm* / Capacité du tiroir 307 x 407 x 153,5 mm	25 Kg
Capacidad cajon 307 x 407 x 74,5 mm / *Drawer capacity 307 x 407 x 74,5 mm* / Capacité du tiroir 307 x 407 x 74,5 mm	20 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	800 kg
13 cajones / *13 drawers* / 13 tiroirs	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Papelera / *Trash tray* / Poubelle	●

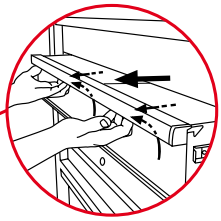
BE SAFE...BE EFFICIENT

1434 × 560 × 1075

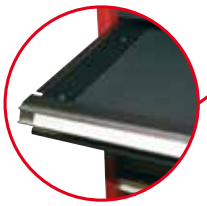


Zona de acople de seguridad para evitar que el cofre superior se caiga
Safety coupling area to prevent the upper chest to fall
Zone d'assemblage de sécurité pour éviter que le coffre supérieur tombe



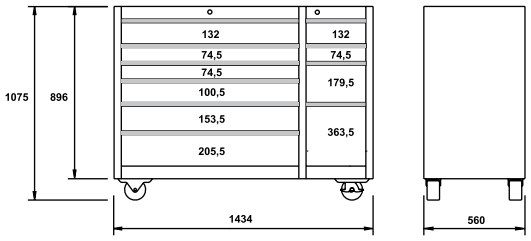


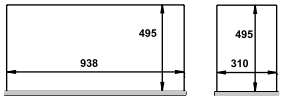
Sistema antivuelco con barra longitudinal de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open longitudinal bar in each tray
Système anti-renversement avec barre longitudinale de sécurité d'ouverture individuelle par tiroir

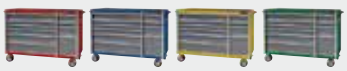


Protección de espuma EVA en cajones
Protecting EVA foam in drawer
Protection en mousse EVA dans les tiroirs

6"x2"
PARA MÁXIMA ESTABILIDAD
FOR THE BEST STABILITY
POUR UNE STABILITÉ, MAXIMALE







Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs

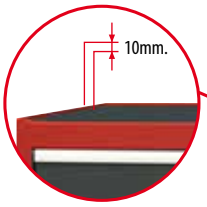
COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
57060	1434 x 560 x 1075	175	
57048			
57088			
57068			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	6" x 2"
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad cajón 938 x 495 x 205,5 mm / *Drawer capacity 938 x 495 x 205,5 mm* / Capacité du tiroir 938 x 495 x 205,5 mm	40 kg
Capacidad cajón 938 x 495 x 153,5 mm / *Drawer capacity 938 x 495 x 153,5 mm* / Capacité du tiroir 938 x 495 x 153,5 mm	35 kg
Capacidad cajón 938 x 495 x 132 mm / *Drawer capacity 938 x 495 x 132 mm* / Capacité du tiroir 938 x 495 x 132 mm	30 Kg
Capacidad cajón 938 x 495 x 100,5 mm / *Drawer capacity 938 x 495 x 100,5 mm* / Capacité du tiroir 938 x 495 x 100,5 mm	25 kg
Capacidad cajones 938 x 495 x 74,5 mm / *Drawer capacity 938 x 495 x 74,5 mm* / Capacité des tiroirs de 938 x 495 x 74,5 mm	20 Kg
Capacidad cajón 310 x 495 x 363,5 mm / *Drawer capacity 310 x 495 x 363,5 mm* / Capacité du tiroir 310 x 495 x 363,5 mm	40 Kg
Capacidad cajón 310 x 495 x 179,5 mm / *Drawer capacity 310 x 495 x 179,5 mm* / Capacité du tiroir 310 x 495 x 179,5 mm	30 Kg
Capacidad cajón 310 x 495 x 132 mm / *Drawer capacity 310 x 495 x 132 mm* / Capacité du tiroir 310 x 495 x 132 mm	25 Kg
Capacidad cajón 310 x 495 x 74,5 mm / *Drawer capacity 310 x 495 x 74,5 mm* / Capacité du tiroir 310 x 495 x 74,5 mm	20 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	400 kg
10 cajones / *10 drawers* / 10 tiroirs	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Equipable con rueda motorizada 51648 / *Equippable with 51648 driving kit* / Équipé d'une roue motorisée 51648	●

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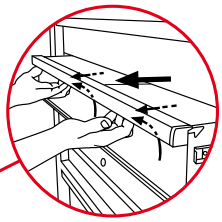
1434 × 560 × 1720

Zona de acople de seguridad para evitar que el cofre superior se caiga
Safety coupling area to prevent the upper chest to fall
Zone d'assemblage de sécurité pour éviter que le coffre supérieur tombe

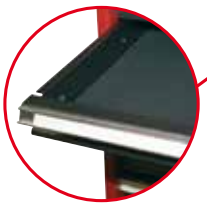




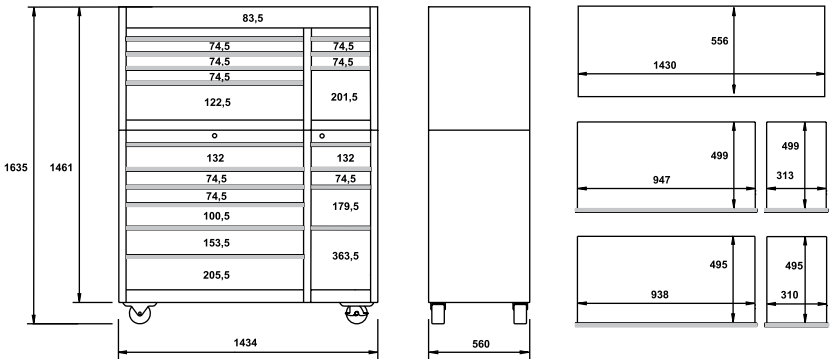
Sistema antivuelco con barra longitudinal de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open longitudinal bar in each tray
Système anti-renversement avec barre longitudinale de sécurité d'ouverture individuelle par tiroir



Protección de espuma EVA en cajones
Protecting EVA foam in drawer
Protection en mousse EVA dans les tiroirs



6"x2"
PARA MÁXIMA ESTABILIDAD
FOR THE BEST STABILITY
POUR UNE STABILITÉ, MAXIMALE





Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs

COD.	L x W x H (mm)			Kg	Color / *Colour* / Couleur
51074	1434 x 560 x 1720	57060	57061	290	
51517		57048	57049		
51520		57088	57089		
51523		57068	57069		

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	6" x 2"
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Capacidad cajón 1430 x 556 x 83,5 mm / *Drawer capacity 1430 x 556 x 83,5 mm* / Capacité du tiroir 1430 x 556 x 83,5 mm	35 Kg
Capacidad cajón 947 x 499 x 122,5 mm / *Drawer capacity 947 x 499 x 122,5 mm* / Capacité du tiroir 947 x 499 x 122,5 mm	40 kg
Capacidad cajones 947 x 499 x 74,5 mm / *Drawer capacity 947 x 499 x 74,5 mm* / Capacité des tiroirs de 947 x 499 x 74,5 mm	30 kg
Capacidad cajón 938 x 495 x 205,5 mm / *Drawer capacity 938 x 495 x 205,5 mm* / Capacité du tiroir 938 x 495 x 205,5 mm	45 Kg
Capacidad cajón 938 x 495 x 153,5 mm / *Drawer capacity 938 x 495 x 153,5 mm* / Capacité du tiroir 938 x 495 x 153,5 mm	40 Kg
Capacidad cajón 938 x 495 x 132 mm / *Drawer capacity 938 x 495 x 132 mm* / Capacité du tiroir 938 x 495 x 132 mm	35 Kg
Capacidad cajón 938 x 495 x 100,5 mm / *Drawer capacity 938 x 495 x 100,5 mm* / Capacité du tiroir 938 x 495 x 100,5 mm	30 Kg
Capacidad cajones 938 x 495 x 74,5 mm / *Drawer capacity 938 x 495 x 74,5 mm* / Capacité des tiroirs de 938 x 495 x 74,5 mm	20 Kg
Capacidad cajón 313 x 499 x 201,5 mm / *Drawer capacity 313 x 499 x 201,5 mm* / Capacité du tiroir 313 x 499 x 201,5 mm	35 Kg
Capacidad cajones 313 x 499 x 74,5 mm / *Drawer capacity 313 x 499 x 74,5 mm* / Capacité des tiroirs de 313 x 499 x 74,5 mm	20 Kg
Capacidad cajón 310 x 495 x 363,5 mm / *Drawer capacity 310 x 495 x 363,5 mm* / Capacité du tiroir 310 x 495 x 363,5 mm	45 Kg
Capacidad cajón 310 x 495 x 179,5 mm / *Drawer capacity 310 x 495 x 179,5 mm* / Capacité du tiroir 310 x 495 x 179,5 mm	30 Kg
Capacidad cajón 310 x 495 x 132 mm / *Drawer capacity 310 x 495 x 132 mm* / Capacité du tiroir 310 x 495 x 132 mm	25 Kg
Capacidad cajón 310 x 495 x 74,5 mm / *Drawer capacity 310 x 495 x 74,5 mm* / Capacité du tiroir 310 x 495 x 74,5 mm	20 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	660 kg
17 cajones con rodamientos / *17 drawer with ball bearings* / 17 tiroirs à roulement	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Equipable con rueda motorizada 51648 / *equippable with 51648 driving kit* / Équipé d'une roue motorisée 51648	●

RUEDA MOTORIZADA / *MOTORIZED WHEEL* / ROUE MOTORISÉE / *MOTORISIERTES RAD* / RUOTA MOTORIZZATA / *RODA MOTORIZADA* / ПРИВОДНОЕ КОЛЕСО

KIT DE RUEDA MOTORIZADA / *MOTORIZED WHEEL KIT* / KIT DE ROUE MOTORISÉE / *MOTORISIERTES RADSATZ* / KIT RUOTA MOTORIZZATA / *KIT DE RODA MOTORIZADA* / КОМПЛЕКТ ПРИВОДНОГО КОЛЕСА

COD.	V	L x W x H (mm)	Kg
87997	24V	280 x 185 x 140	6,0

12M



EQUIPADO CON / *EQUIPED WITH* / EQUIPE
Actuador / *Actuator* / Actionneur
Unidad de control / *Control box* / Unité de contrôle
Cargador / *Charger* / Chargeur
Mando / *Handle* / Commande
Cable / *Cable* / Câble
Bateria / *Battery* / Batterie

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	V	L x W x H (mm)	Kg
87996	Batería / *Battery* / Batterie	24V	380 x 95 x 85	2,5



KIT DE RUEDA MOTORIZADA (MONTAJE EN CARRO INCLUIDO) / *MOTORIZED WHEEL KIT (INCLUDED ASSEMBLY IN CABINET)* / KIT DE ROUE MOTORISÉE (MONTAGE SUR SERVANTE INCLUS) / *MOTORISIERTES RAD-KIT (MONTAGE IM SCHRANK ENTHALTEN)* / KIT RUOTA MOTORIZZATA (MONTAGGIO SU CARRELLO INCLUSO) / *KIT DE RODA MOTORIZADA (MONTAGEM EM CARRO INCLUÍDA)* / КОМПЛЕКТ ПРИВОДНОГО КОЛЕСА (МОНТАЖ КОЛЕСА К ТЕЛЕЖКЕ ВКЛЮЧЁН)

COD.	PCS.	Kg
51648	2	9,5

12M | Montaje en carro incluido / *Included assembly in cabinet* / Montage sur servante inclus

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	87997	Conjunto rueda motorizada / *Motorized wheel kit*
	87998	Soporte batería litio rueda motorizada / *Lithium-ion battery holder for motorized wheel*



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ESTANTERIAS MÓVILES CON MÉNSULAS / *TROLLEYS WITH SHELVES* / RAYONNAGES MOBILES AVEC ÉTAGÈRES / *MOBILE REGALE MIT KONSOLEN* / SCAFFALI MOBILI CON MENSOLE / *ESTANTE MÓVEL COM PRATELEIRAS* / ТЕЛЕЖКА С ПОЛКАМИ

COMPONENTES / *COMPONENTS* / COMPOSANTS / *KOMPONENTEN* / COMPONENTI / *COMPONENTES* / КОМПОНЕНТЫ

ESTRUCTURAS / *FRAMES* / STRUCTURES / *GESTELL* / STRUTTURE / *ESTRUTURA* / ТЕЛЕЖКА С РАМОЙ

COD.	L x W x H (mm)	Kg - MAX	Kg
50093	725x613x1430	300	25
50088	1023x613x1430		28

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	●



MÉNSULAS / *SHELVES* / ÉTAGÈRES / *KONSOLEN* / MENSOLE / *PRATELEIRAS* / ПОЛКИ

COD.	L x W x H (mm)	Kg - MAX	Kg	Válido para / *Valid for* / Valable pour
50095	657x220x30	50	2,3	50093
50094	657x420x30		3,4	
50090	955x320x30		4,0	50088
50089	955x600x30		7,0	



COMBINACIONES / *COMBINATIONS* / COMBINAISONS / *KOMBINATIONEN* / COMBINAZIONI / *COMBINAÇÕES* / КОМПЛЕКТЫ

725 MM

PROFUNDIDAD DE 220 MM / *220 MM DEPTH* / PROFONDEUR DE 220 MM / *220 MM TIEFE* / PROFONDITÀ DI 220 MM / *PROFUNDIDADE DE 220 MM* / ГЛУБИНА 220 MM

COD.	L x W x H (mm)			Kg
50140	725x613x1430	2 x 50095	50093	29
50141		3 x 50095		32
50142		4 x 50095		34

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	4"
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 kg



PROFUNDIDAD DE 420 MM / *420 MM DEPTH* / PROFONDEUR DE 420 MM / *420 MM TIEFE* / PROFONDITÀ DI 420 MM / *PROFUNDIDADE DE 420 MM* / ГЛУБИНА 420 MM

COD.	L x W x H (mm)			Kg
50143	725x613x1430	2 x 50094	50093	32
50144		3 x 50094		35
50145		4 x 50094		38

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	4"
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 kg



1023 MM

PROFUNDIDAD DE 320 MM / *320 MM DEPTH* / PROFONDEUR DE 320 MM / *320 MM TIEFE* / PROFONDITÀ DI 320 MM / *PROFUNDIDADE DE 320 MM* / ГЛУБИНА 320 ММ

COD.	L x W x H (mm)			Kg
50149	1023x613x1430	2 x 50090	50088	37
50150		3 x 50090		41
50151		4 x 50090		45

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	4"
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 kg



PROFUNDIDAD DE 600 MM / *600 MM DEPTH* / PROFONDEUR DE 600 MM / *600 MM TIEFE* / PROFONDITÀ DI 600 MM / *PROFUNDIDADE DE 600 MM* / ГЛУБИНА 600 ММ

COD.	L x W x H (mm)			Kg
50152	1023x613x1430	2 x 50089	50088	42
50153		3 x 50089		49
50154		4 x 50089		55

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	4"
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	300 kg



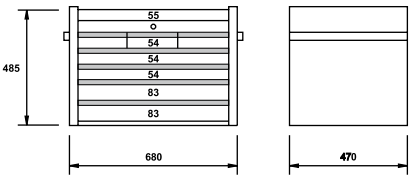
ARCONES Y COFRES / *JOBSITE BOXES AND CHESTS* / COFFRES MÉTALLIQUES / *WERKZEUGKISTEN AUS STAHL* / CASSETTIERE PORTATILE IN METALLO / *CAIXAS E BAÚS PARA FERRAMENTA* / ЯЩИКИ И СУНДУКИ

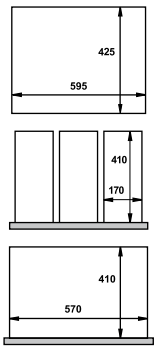
COFRES PORTAHERRAMIENTAS DE SUPERFICIES INOX* / *INOX SURFACE TOOL CHEST** / COFFRE À TIROIRS AVEC SURFACE INOX* / *WERKSTATTKASTEN MIT INOX OBERFLÄCHE** / CASSETTI PORTAUTENSILI DI SUPERFICI INOX* / *BAÚ PORTA-FERRAMENTAS DE SUPERFÍCIE INOX** / ПОРТАТИВНЫЕ ЯЩИКИ С ПОКРЫТИЕМ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ*

680 × 470 × 485



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir





COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Kg
51560	680 x 470 x 485	Inox 430	46

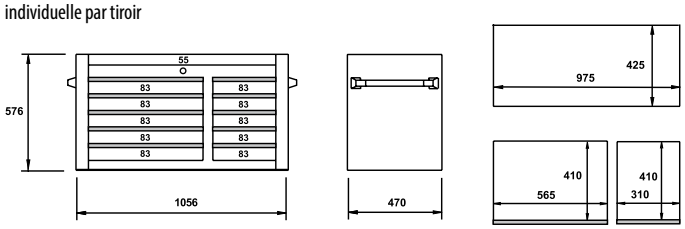
INOX

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior: 100% INOX – Interior: Acero pintado / *Exterior 100% INOX – Interior: Painted Steel* / Extérieur 100% INOX - Intérieur: Acier peint
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	7
Capacidad cajones de altura 55 mm / *Capacity in 55 mm height drawers* / Capacité des tiroirs de 55 mm de haut	20 kg
Capacidad cajones 170 x 410 x 54 mm / *Drawer capacity 170 x 410 x 54 mm* / Capacité des tiroirs de 170 x 410 x 54 mm	15 kg
Capacidad cajones 570 x 410 x 54 mm / *Drawer capacity 570 x 410 x 54 mm* / Capacité des tiroirs de 570 x 410 x 54 mm	25 kg
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	150 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Tapa con doble pistón neumático / *Double pneumatic absorber equipped lid* / Couvercle avec double piston pneumatique	●

1056 × 470 × 576



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Kg
51562	1056 x 470 x 576	Inox 430	95

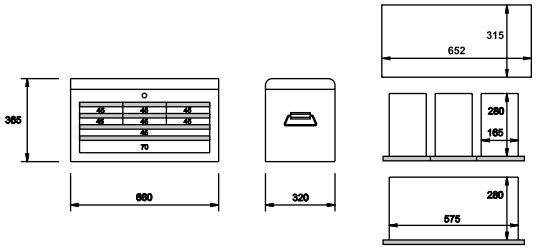
INOX

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior: 100% INOX – Interior: Acero pintado / *Exterior 100% INOX – Interior: Painted Steel* / Extérieur 100% INOX - Intérieur: Acier peint
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	10
Capacidad cajones de altura 55 mm / *Capacity in 55 mm height drawers* / Capacité des tiroirs de 55 mm de haut	30 kg
Capacidad cajón 310 x 410 x 83 mm / *Drawer capacity 310 x 410 x 83 mm* / Capacité du tiroir 310 x 410 x 83 mm	25 kg
Capacidad cajón 565 x 410 x 83 mm / *Drawer capacity 565 x 410 x 83 mm* / Capacité du tiroir 565 x 410 x 83 mm	25 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	200 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

COFRE PORTAHERRAMIENTAS / *TOOL CHEST* / COFFRE À TIROIRS / *WERKSTATT KASTEN MIT SCHUBLADEN* / CASSETTIERE PORTAUTENSILI / *BAÚS DE FERRAMENTAS* / ЯЩИКИ ДЛЯ ИНСТРУМЕНТА

660 × 320 × 365





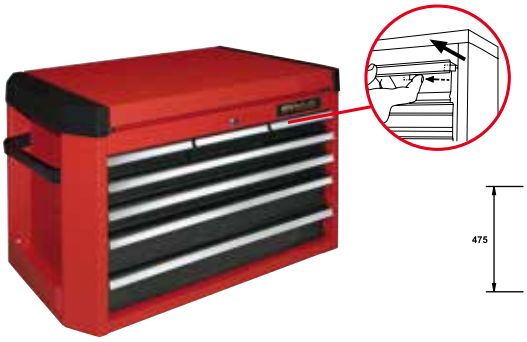


Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs

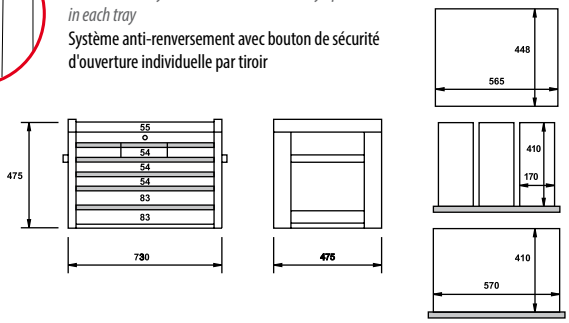
COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
51011	660 x 320 x 365	24	
51480			
51492			
51504			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	●
Cerradura con llave / *Key lock* / Serrure avec clé	●
Capacidad cajon 575 x 280 x 70 mm / *Drawer capacity 575 x 280 x 70 mm* / Capacité du tiroir 575 x 280 x 70 mm	20 Kg
Capacidad cajon 575 x 280 x 45 mm / *Drawer capacity 575 x 280 x 45 mm* / Capacité du tiroir 575 x 280 x 45 mm	10 Kg
Capacidad cajones 165 x 280 x 45 mm / *Drawer capacity 165 x 280 x 45 mm* / Capacité du tiroir 165 x 280 x 45 mm	9 Kg
Asas laterales / *Lateral handles* / Anses latérales	●

730 × 475 × 475



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir





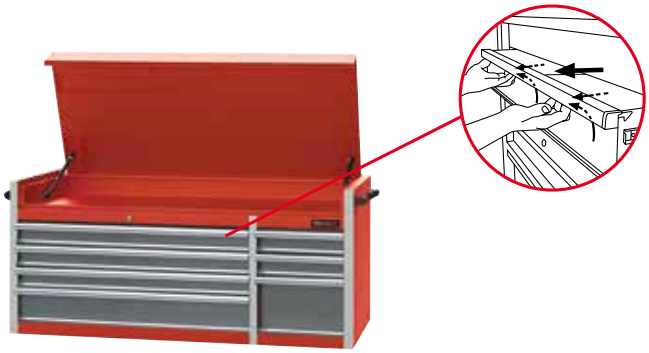
Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs

COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
51075	730 x 475 x 475	47	
51490			
51502			
51514			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
7 cajones con rodamientos / *7 ball-bearing slides* / 7 tiroirs à roulement	●
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 kg
Capacidad cajones de altura 55 mm / *Capacity in 55 mm height drawers* / Capacité des tiroirs de 55 mm de haut	20 kg
Capacidad cajones 570 x 410 x 54 mm / *Drawer capacity 570 x 410 x 54 mm* / Capacité des tiroirs de 570 x 410 x 54 mm	20 kg
Capacidad cajones 170 x 410 x 54 mm / *Drawer capacity 170 x 410 x 54 mm* / Capacité des tiroirs de 170 x 410 x 54 mm	15 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	140 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Asas laterales / *Lateral handles* / Anses latérales	●

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

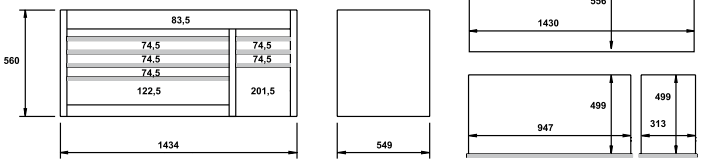
1434 × 560 × 549



Sistema antivuelco con barra longitudinal de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open longitudinal bar in each tray
Système anti-renversement avec barre longitudinale de sécurité d'ouverture individuelle par tiroir



Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs



COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
57061	1434 x 560 x 549	130	
57049			
57089			
57069			

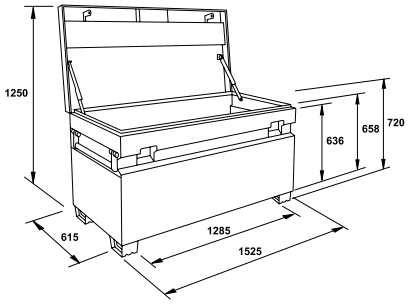
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
7 cajones con rodamientos / *7 ball-bearing slides* / 7 tiroirs à roulement	●
Estructura reforzada / *Reinforced heavy duty structure* / Structure renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Cerradura con llave / *Key lock* / Serrure avec clé	●
Tapa con doble pistón neumático / *Double pneumatic absorber equipped lid* / Couvercle avec double piston pneumatique	●
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	260 kg
Capacidad cajones 947 x 499 x 74,5 mm / *Drawer capacity 947 x 499 x 74,5 mm* / Capacité des tiroirs de 947 x 499 x 74,5 mm	30 kg
Capacidad cajón 947 x 499 x 122,5 mm / *Drawer capacity 947 x 499 x 122,5 mm* / Capacité du tiroir 947 x 499 x 122,5 mm	40 kg
Capacidad cajones 313 x 499 x 74,5 mm / *Drawer capacity 313 x 499 x 74,5 mm* / Capacité des tiroirs de 313 x 499 x 74,5 mm	25 kg
Capacidad cajón 313 x 499 x 201,5 mm / *Drawer capacity 313 x 499 x 201,5 mm* / Capacité du tiroir 313 x 499 x 201,5 mm	40 kg
Asas laterales / *Lateral handles* / Anses latérales	●
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●



NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
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ARCONES METÁLICOS / *METALLIC JOBSITE BOXES* / COFFRES METALLIQUES / *METALLARBEITSCHRÄNKE* / CASSONI METALLICI / *BAÚS METÁLICOS* / МЕТАЛЛИЧЕСКИЕ ЯЩИКИ ДЛЯ ИНСТРУМЕНТОВ

1525 × 615 × 720



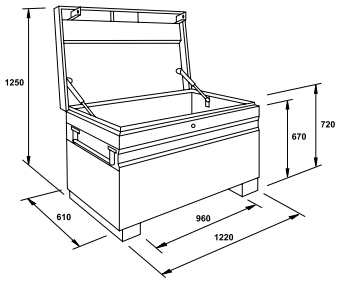


COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Espesor base (mm) / *Base thickness (mm)* / Épaisseur de base (mm)	Kg - MAX	Kg
50989	1525 x 615 x 720	1,5	2,5	300	75

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Patas especialmente diseñadas para transpalet / *Prepared to be used with pallet truck* / Coffres gerbables	●
Fabricado en acero de alta calidad / *Manufactured in high quality steel* / Fabriqué en acier de haute qualité	●
Cierre para candado / *Prepared for padlock* / Fermeture cadenas	●
Asas laterales / *Lateral handles* / Anses latérales	●



1220 × 610 × 720





COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Espesor base (mm) / *Base thickness (mm)* / Épaisseur de base (mm)	Kg - MAX	Kg
51046	1220 x 610 x 720	1,5	2,5	300	80

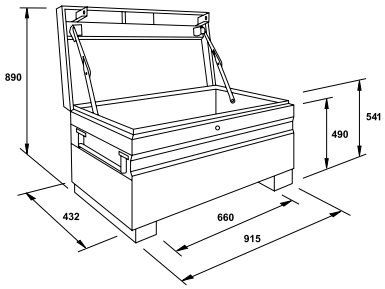
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tapa con doble pistón neumático / *Double pneumatic absorber equipped lid* / Couvercle avec double piston pneumatique	●
Refuerzos laterales / *Lateral reinforcement* / Renforcements latéraux	●
Cerradura en el centro del panel frontal con juego de dos llaves / *Central safety lock (2 keys)* / Serrure centrale (2 clés)	●
Patas especialmente diseñadas para transpalet / *Prepared to be used with pallet truck* / Coffres gerbables	●
Fabricado en acero de alta calidad / *Manufactured in high quality steel* / Fabriqué en acier de haute qualité	●
Asas laterales / *Lateral handles* / Anses latérales	●



- Los arcones EGA Master están especialmente diseñados para poder estar contenidos el arcón de menor tamaño dentro del siguiente en dimensiones, esto es: / *EGA Master jobsite boxes are specially designed to transport the smaller one into the next bigger one:* / Les coffres EGA Master sont spécialement conçus pour contenir le coffre de dimension inférieure à l'intérieur:
- código 51048 dentro del código 51047. / *code 51048 into code 51047.* / code 51048 à l'intérieur du code 51047.
- código 51047 dentro del código 51046. / *code 51047 into code 51046.* / code 51047 à l'intérieur du code 51046.
- Esta ventaja permite reducir ampliamente los costes de transporte y ahorrar espacio de almacenamiento. / *That allows reducing largely transport costs and saves storaging space.* / Cet avantage pernet de réduire considérablement les coûts de transport et d'économiser l'espace de stockage.



915 × 432 × 541



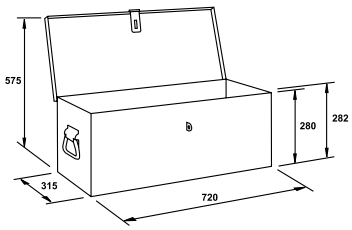


COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Espesor base (mm) / *Base thickness (mm)* / Épaisseur de base (mm)	Kg - MAX	Kg
51047	915 x 432 x 541	1,5	2,5	200	40

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Refuerzos laterales / *Lateral reinforcement* / Renforcements latéraux	●
Cerradura en el centro del panel frontal con juego de dos llaves / *Central safety lock (2 keys)* / Serrure centrale (2 clés)	●
Patas especialmente diseñadas para transpalet / *Prepared to be used with pallet truck* / Coffres gerbables	●
Fabricado en acero de alta calidad / *Manufactured in high quality steel* / Fabriqué en acier de haute qualité	●
Asas laterales / *Lateral handles* / Anses latérales	●



720 × 315 × 282





COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Kg - MAX	Kg
51048	720 x 315 x 282	1,5	80	13

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fabricado en acero de alta calidad / *Manufactured in high quality steel* / Fabriqué en acier de haute qualité	●
Cierre para candado / *Prepared for padlock* / Fermeture cadenas	●
Asas laterales / *Lateral handles* / Anses latérales	●

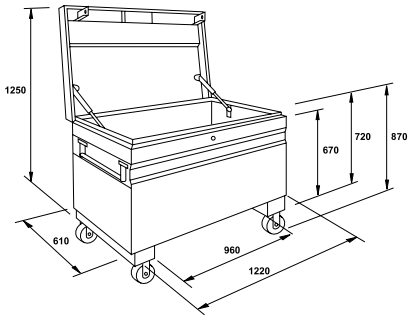


- Los arcones EGA Master están especialmente diseñados para poder estar contenidos el arcón de menor tamaño dentro del siguiente en dimensiones, esto es: / *EGA Master jobsite boxes are specially designed to transport the smaller one into the next bigger one:* / Les coffres EGA Master sont spécialement conçus pour contenir le coffre de dimension inférieure à l'intérieur:
- código 51048 dentro del código 51047. / *code 51048 into code 51047.* / code 51048 à l'intérieur du code 51047.
- código 51047 dentro del código 51046. / *code 51047 into code 51046.* / code 51047 à l'intérieur du code 51046.
- Esta ventaja permite reducir ampliamente los costes de transporte y ahorrar espacio de almacenamiento. / *That allows reducing largely transport costs and saves storaging space.* / Cet avantage pernet de réduire considérablement les coûts de transport et d'économiser l'espace de stockage.



ARCONES METÁLICOS CON RUEDAS / *METALLIC JOBSITE BOXES WITH ROLLERS* / COFFRES METALLIQUES À ROUES / *METALLARBEITSCHRÄNKE MIT RÄDER* / CASSONI METALLICI CON ROUTE / *BAÚS METÁLICOS COM RODAS* / МЕТАЛЛИЧЕСКИЕ КОНТЕЙНЕРЫ ДЛЯ ХРАНЕНИЯ ИНСТРУМЕНТА НА КОЛЕСАХ

1220 × 610 × 870



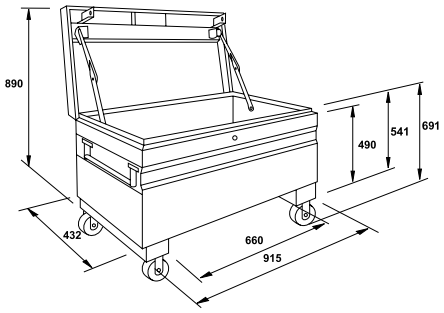


COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Espesor base (mm) / *Base thickness (mm)* / Épaisseur de base (mm)	Kg - MAX	Kg
50991	1220 x 610 x 870	1,5	2,5	300	85

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Tapa con doble pistón neumático / *Double pneumatic absorber equipped lid* / Couvercle avec double piston pneumatique	●
Refuerzos laterales / *Lateral reinforcement* / Renforcements latéraux	●
Cerradura en el centro del panel frontal con juego de dos llaves / *Central safety lock (2 keys)* / Serrure centrale (2 clés)	●
Fabricado en acero de alta calidad / *Manufactured in high quality steel* / Fabriqué en acier de haute qualité	●
Asas laterales / *Lateral handles* / Anses latérales	●



915 × 432 × 691





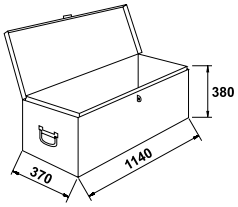
COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Espesor base (mm) / *Base thickness (mm)* / Épaisseur de base (mm)	Kg - MAX	Kg
50992	915 x 432 x 691	1,5	2,5	200	40

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 2"
Refuerzos laterales / *Lateral reinforcement* / Renforcements latéraux	●
Cerradura en el centro del panel frontal con juego de dos llaves / *Central safety lock (2 keys)* / Serrure centrale (2 clés)	●
Fabricado en acero de alta calidad / *Manufactured in high quality steel* / Fabriqué en acier de haute qualité	●
Asas laterales / *Lateral handles* / Anses latérales	●



ARCONES GALVANIZADOS / *GALVANIZED JOBSITE BOXES* / COFFRES GALVANISÉS / *VERZINKTE ARBEITS-KISTE* / CASSONI GALVANIZZATI / *BAÚS GALVANIZADOS* / ИНСТРУМЕНТАЛЬНЫЙ ЯЩИК С ЗАЩИТНЫМ ПОКРЫТИЕМ

1140 × 370 × 380



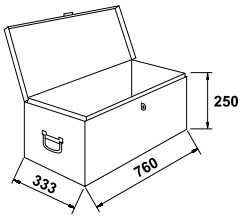




COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Kg - MAX	Kg
50939	1140 x 370 x 380	0,6	45	13

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fabricado en acero galvanizado de alta calidad / *Manufactured in high quality galvanized steel* / Fabriqué en acier galvanisé d'haute qualité	●
Cierre para candado / *Prepared for padlock* / Fermeture cadenas	●
Asas laterales / *Lateral handles* / Anses latérales	●

760 × 330 × 250



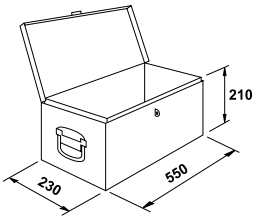




COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Kg - MAX	Kg
50938	760 x 330 x 250	0,6	32	6,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fabricado en acero galvanizado de alta calidad / *Manufactured in high quality galvanized steel* / Fabriqué en acier galvanisé d'haute qualité	●
Cierre para candado / *Prepared for padlock* / Fermeture cadenas	●
Asas laterales / *Lateral handles* / Anses latérales	●
1 bandeja / *1 tray* / 1 plateau	●

550 × 230 × 210







COD.	L x W x H (mm)	Espesor general (mm) / *General thickness (mm)* / Épaisseur générale (mm)	Kg - MAX	Kg
50937	550 x 230 x 210	0,5	20	2,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fabricado en acero galvanizado de alta calidad / *Manufactured in high quality galvanized steel* / Fabriqué en acier galvanisé d'haute qualité	●
Cierre para candado / *Prepared for padlock* / Fermeture cadenas	●
Asas laterales / *Lateral handles* / Anses latérales	●

- Los arcones EGA Master están especialmente diseñados para poder estar contenidos el arcón de menor tamaño dentro del siguiente en dimensiones, esto es: / *EGA Master jobsite boxes are specially designed to transport the smaller one into the next bigger one:* / Les coffres EGA Master sont spécialement conçus pour contenir le coffre de dimension inférieure à l'intérieur:
- código 50937 dentro del código 50938. / *code 50937 into code 50938.* / code 50937 à l'intérieur du code 50938.
- código 50938 dentro del código 50939. / *code 50938 into code 50939.* / code 50938 à l'intérieur du code 50939.
- Esta ventaja permite reducir ampliamente los costes de transporte y ahorrar espacio de almacenamiento. / *That allows reducing largely transport costs and saves storaging space.* / Cet avantage pernet de réduire considérablement les coûts de transport et d'économiser l'espace de stockage.



MALETAS, CAJAS DE HERRAMIENTAS Y ACCESORIOS / *TOOL BOXES AND ACCESORIES* / VALISES, CAISSES À OUTILS ET ACCESOIRES / *WERKZEUGKOFFER UND ZUBEHÖR* / VALIGIE, CASSETTE PORTAUTENSILI ED ACCESSORI / *MALAS, CAIXAS E ACESSÓRIOS* / ЧЕМОДАНЫ, ЯЩИКИ ДЛЯ ИНСТРУМЕНТОВ И ЗАПАСНЫЕ ЧАСТИ

MALETA DE ALUMINIO PORTAHERRAMIENTAS / *ALUMINIUM TOOL CASE* / MALLETTE PORTE-OUTILS / *ALUMINIUMKOFFER ZUM ROLLEN* / VALIGIA PORTAUTENSILI IN ALLUMINO / *MALA DE ALUMINIO PORTAFERRAMENTAS* / АЛЮМИНИЕВЫЙ ИНСТРУМЕНТАЛЬНЫЙ КЕЙС

1350 × 356 × 114

COD.	L x W x H (mm)	Kg - MAX	Kg
51055	1350 x 356 x 114	18	7,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cerradura con llave / *Key lock* / Serrure avec clé	●
Con cierres en zamak / *Zinc alloy lockers* / Casiers en alliage de zinc	●



665 × 500 × 110

COD.	L x W x H (mm)	Kg - MAX	Kg
51054	665 x 500 x 110	10	3,4



650 × 250 × 115

COD.	L x W x H (mm)	Kg - MAX	Kg
50947	650 x 250 x 115	10	3,0



520 × 330 × 152

COD.	L x W x H (mm)	Kg - MAX	Kg
51056	520 x 330 x 152	13	3,6

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cerradura con llave / *Key lock* / Serrure avec clé	●
Con cierres en zamak / *Zinc alloy lockers* / Casiers en alliage de zinc	●



455 × 205 × 320

COD.	L x W x H (mm)	Kg - MAX	Kg
51012	455 x 205 x 320	15	4,0

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ruedas / *Wheels* / Roues	●
Cerradura de combinación / *Number combination lock* / Fermeture sécuriseé par combinaison	●
Asa telescópica / *Telescopic handle* / Anse teléscopique	●



450 × 300 × 85

COD.	L x W x H (mm)	Kg - MAX	Kg
50974	450 x 300 x 85	5	1,5



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365 × 240 × 75

COD.	L x W x H (mm)	Kg - MAX	Kg
51053	365 x 240 x 75	5	1,2




288 × 180 × 53

COD.	L x W x H (mm)	Kg - MAX	Kg
51079	288 x 180 x 53	5	0,6




250 × 145 × 53

COD.	L x W x H (mm)	Kg - MAX	Kg
51071	250 x 145 x 53	5	0,4




MALETA PORTAHERRAMIENTAS / *TOOL CASE* / MALLETTE PORTE-OUTILS / *WERKZEUGKOFFER* / VALIGIA PORTAUTENSILI / *MALA PORTAFERRAMENTAS* / КЕЙС ДЛЯ ИНСТРУМЕНТА

470 × 355 × 160

COD.	L x W x H (mm)	Kg
51010	470 x 355 x 160	3,2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	15 kg
ABS extra resistente / *Extra-resistant ABS* / ABS extra-résistant	●
Cerradura con llave / *Key lock* / Serrure avec clé	●




470 × 355 × 220

COD.	L x W x H (mm)	Kg
50993	470 x 355 x 220	5,0

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ruedas / *Wheels* / Roues	●
Capacidad / *Capacity* / Capacité	15 kg
ABS extra resistente / *Extra-resistant ABS* / ABS extra-résistant	●
Cerradura con llave / *Key lock* / Serrure avec clé	●
Cerradura de combinación / *Number combination lock* / Fermeture sécuriseé par combinaison	●
Resistencia / *Resistance* / Résistance	>90 kg
Asa telescópica / *Telescopic handle* / Anse teléscopique	560 mm




CARROS PORTAMALETAS / *PLASTIC TOOL BOXES WITH TROLLEY* / CHARIOTS PORTE-MALETTES / *WERKZEUGKÄSTEN AUS KUNSTSTOFF MIT WAGEN* / TROLLEY PORTAUTENSILI A 2 MODULI / *CAIXAS DE FERRAMENTA COM TROLLEY* / КОМПЛЕКТ ПЛАСТИКОВЫХ КЕЙСОВ НА ТЕЛЕЖКЕ

470 × 290 × 630

COD.	L x W x H (mm)	Kg
50968	470 x 290 x 630	4,0

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ruedas / *Wheels* / Roues	●
Capacidad / *Capacity* / Capacité	60 L
Mat: PP	●
2 asas plegables / *2 folding handle* / 2 anses pliables	●
1 bandeja / *1 tray* / 1 plateau	●



500 × 410 × 770

COD.	L x W x H (mm)	Kg
50966	500 x 410 x 770	15

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cajones y tapa transparente / *Drawer and transparent cover* / Tiroir avec couvercle transparent	Poliestireno (PS) / *Polystyrene (PS)* / Polystyrène (PS)
1 maleta + 1 maleta con cajón / *1 case + 1 drawer case* / 1 mallette + 1 mallette avec tiroir	●
Ruedas / *Wheels* / Roues	●
Capacidad / *Capacity* / Capacité	40 kg
Estuche / *Case* / Étui	430 x 370 x 85 mm (2 pcs) - 430 x 370 x 55 mm (1 pcs)
Cajas / *Boxes* / Caisses	55 x 39 x 47 mm (10 pcs) & 79 x 55 x 47 mm (10 pcs) & 109 x 79 x 47 mm (5 pcs) & 79 x 55 x 76 mm (5 pcs) & 109 x 79 x 76 mm (6 pcs) & 157 x 109 x 76 mm (2 pcs)
Mat: PP	●





REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

ESTUCHE / *CASE* / COFFRET / *FALL* / VALIGIA / *CASO* / КЕЙС

COD.	L x W x H (mm)	Válido para / *Valid for* / Valable pour
89541	430 x 370 x 55	50966
89542	430 x 370 x 85	



CAJÓN / *DRAWER* / TIROIR / *SCHUBLADE* / CASSETTO / *GAVETA* / ЯЩИК

COD.	L x W x H (mm)	Válido para / *Valid for* / Valable pour
89535	55 x 39 x 47	50966
89536	79 x 55 x 47	
89537	109 x 79 x 47	
89538	79 x 55 x 76	
89539	109 x 79 x 76	
89540	157 x 109 x 76	



MALETAS ROBUST / *ROBUST CASES* / VALISES ROBUST / *ROBUSTER KOFFER* / VALIGIE ROBUST / *MALAS ROBUST* / УДАРОПРОЧНЫЕ КЕЙСЫ

445 × 345 × 125

COD.	L x W x H (mm)	Kg
58590	445 × 345 × 125	3,4

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	-
Grado de protección / *Ingress protection* / Grade de protection	IP67
Ruedas / *Wheels* / Roues	-





MALETAS ROBUST CON RUEDAS / *ROBUST CASES WITH TROLLEY* / VALISES ROBUST À ROULETTES / *ROBUSTER KOFFER MIT ROLLER* / VALIGIE ROBUST CON RUOTE / *TROLLEY ROBUST* / УДАРОПРОЧНЫЙ КЕЙС С ТЕЛЕЖКОЙ

581 × 381 × 455



COD.	L x W x H (mm)	Kg
58594	581 × 381 × 455	15
58605		18

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS		
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils		8 × 58620
Grado de protección / *Ingress protection* / Grade de protection		
	58594	IP67
	58605	-
Ruedas / *Wheels* / Roues		●

COD.	L x W x H (mm)	Kg
58595	581 × 381 × 455	14
58606		18

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS		
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils		6 × 58620 + 1 × 58621
Grado de protección / *Ingress protection* / Grade de protection		
	58595	IP67
	58606	-
Ruedas / *Wheels* / Roues		●

COD.	L x W x H (mm)	Kg
58596	581 × 381 × 455	14
58607		17

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	4 × 58620 + 2 × 58621
Grado de protección / *Ingress protection* / Grade de protection	
58596	IP67
58607	-
Ruedas / *Wheels* / Roues	●

COD.	L x W x H (mm)	Kg
58597	581 × 381 × 455	14
58608		17

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	2 × 58620 + 3 × 58621
Grado de protección / *Ingress protection* / Grade de protection	
58597	IP67
58608	-
Ruedas / *Wheels* / Roues	●

COD.	L x W x H (mm)	Kg
58598	581 × 381 × 455	13
58609		17

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	4 × 58621
Grado de protección / *Ingress protection* / Grade de protection	
58598	IP67
58609	-
Ruedas / *Wheels* / Roues	●

COD.	L x W x H (mm)	Kg
58599	581 × 381 × 455	14
58610		17

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	5 × 58620 + 1 × 58622
Grado de protección / *Ingress protection* / Grade de protection	
58599	IP67
58610	-
Ruedas / *Wheels* / Roues	●

COD.	L x W x H (mm)	Kg
58600	581 × 381 × 455	13
58611		17

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	2 × 58620 + 2 × 58622
Grado de protección / *Ingress protection* / Grade de protection	
58600	IP67
58611	-
Ruedas / *Wheels* / Roues	●

COD.	L x W x H (mm)	Kg
58601	581 × 381 × 455	13
58612		16

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	1 × 58621 + 2 × 58622
Grado de protección / *Ingress protection* / Grade de protection	
58601	IP67
58612	-
Ruedas / *Wheels* / Roues	●

COD.	L x W x H (mm)	Kg
58602	581 × 381 × 455	13
58613		17

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	1 × 58620 + 2 × 58621 + 1 × 58622
Grado de protección / *Ingress protection* / Grade de protection	
58602	IP67
58613	-
Ruedas / *Wheels* / Roues	●

COD.	L x W x H (mm)	Kg
58603	581 × 381 × 455	14
58614		17

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS	
Ruedas / *Wheels* / Roues	●
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	3 × 58620 + 1 × 58621 + 1 × 58622
Grado de protección / *Ingress protection* / Grade de protection	
58603	IP67
58614	-

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REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

BANDEJAS / *TRAYS* / PLATEAUX / *ABLAGEKASTEN* / PANNELLO / *TABULEIROS* / ПОДДОНЫ



COD.	L x W x H (mm)
58620	467 × 255 × 30



COD.	L x W x H (mm)
58621	467 × 255 × 60



COD.	L x W x H (mm)
58622	467 × 255 × 95

670 × 510 × 372

COD.	L x W x H (mm)	Kg	Grado de protección / *Degree of protection* / Grade de protection
58592	670 x 510 x 372	11	IP67

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	-
Grado de protección / *Ingress protection* / Grade de protection	IP67
Ruedas / *Wheels* / Roues	●





546 × 347 × 247

COD.	L x W x H (mm)	Kg	Grado de protección / *Degree of protection* / Grade de protection
58591	546 x 347 x 247	6,5	IP67

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	-
Grado de protección / *Ingress protection* / Grade de protection	IP67
Ruedas / *Wheels* / Roues	●
Asa telescópica / *Telescopic handle* / Anse teléscopique	●





MOCHILA / *BACKPACK* / SAC À DOS / *RUCKSACK* / ZAINO / *MOCHILA* / РЮКЗАК

COD.	Válido para / *Valid for* / Valable pour
58589	58591



MALETA ABS APILABLE Y CASI INDESTRUCTIBLE / *ABS TOOL CASE STACKABLE AND ALMOST INDESTRUCTIBLE* / VALISE ABS EMPILABLE ET PRESQUE INDESTRUCTIBLE / *ABS-WERKZEUGKOFFER STAPELBAR UND FAST UNZERSTÖRBAR* / VALIGIA IN ABS IMPILABILE E QUASI INDISTRUTTIBILE / *MALA ABS EMPILHÁVEL E QUASE INDESTRUTÍVEL* / СВЕРХПРОЧНЫЙ ШТАБЕЛИРУЕМЫЙ ЯЩИК АБС

COD.	L x W x H (mm)	Kg
50994	464 x 335 x 142	2,2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	60 kg
ABS extra resistente / *Extra-resistant ABS* / ABS extra-résistant	Hasta 90 kg / *Up to 90 kg* / Jusqu'à 90 kg
Mat: PP	●
Apilables / *Stackables* / Empilables	●
Auto-basculante / *Self-balancing* / Auto-basculant	●
Ergonómicamente diseñada para que el agua y el polvo resbalen por el rail / *Construction will guide rain and dust away* / Ergoniquement conçu pour que l'eau et la poussière glisse sur le rebord	●



COD.	L x W x H (mm)	Kg
50995	464 x 335 x 212	2,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	60 kg
ABS extra resistente / *Extra-resistant ABS* / ABS extra-résistant	Hasta 90 kg / *Up to 90 kg* / Jusqu'à 90 kg
Apilables / *Stackables* / Empilables	●
Auto-basculante / *Self-balancing* / Auto-basculant	●
Ergonómicamente diseñada para que el agua y el polvo resbalen por el rail / *Construction will guide rain and dust away* / Ergoniquement conçu pour que l'eau et la poussière glisse sur le rebord	●



COD.	L x W x H (mm)	Kg
50996	464 x 335 x 362	3,2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	60 kg
ABS extra resistente / *Extra-resistant ABS* / ABS extra-résistant	Hasta 90 kg / *Up to 90 kg* / Jusqu'à 90 kg
Apilables / *Stackables* / Empilables	●
Auto-basculante / *Self-balancing* / Auto-basculant	●
Ergonómicamente diseñada para que el agua y el polvo resbalen por el rail / *Construction will guide rain and dust away* / Ergoniquement conçu pour que l'eau et la poussière glisse sur le rebord	●



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description
50981	Panel superior fijo / *Fixed upper panel* / Panneau supérieur fixe
50982	Panel inferior móvil / *Movable lower panel* / Panneau inférieur amovible

MALETA ABS APILABLE Y CASI INDESTRUCTIBLE CON PANELES / *ABS TOOL CASE STACKABLE AND ALMOST INDESTRUCTIBLE WITH PANELS* / VALISE ABS EMPILABLE ET PRESQUE INDESTRUCTIBLE AVEC PANNEAUX / *ABS-WERKZEUGKASTE STAPELBAR UND MIT PANEELEN FAST UNZERSTÖRBAR* / VALIGIA IN ABS IMPILABILE E QUASI INDISTRUTTIBILE CON PANNELLI / *MALA ABS EMPILHÁVEL E QUASE INDESTRUTÍVEL COM PAINÉIS* / СВЕРХПРОЧНЫЙ ШТАБЕЛИРУЕМЫЙ ЯЩИК АБС С ПАНЕЛЯМИ

COD.	L x W x H (mm)		Kg
50983	464 x 335 x 142	1	2,6



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	60 kg
ABS extra resistente / *Extra-resistant ABS* / ABS extra-résistant	Hasta 90 kg / *Up to 90 kg* / Jusqu'à 90 kg
Panel / *Panel* / Panneau	Superior: cod. 50981 | Inferior: cod. 50982 / *Upper: cod. 50981 | Lower: cod. 50982* / Supérieur: cod. 50981 | Inférieur: cod. 50982
Apilables / *Stackables* / Empilables	●
Auto-basculante / *Self-balancing* / Auto-basculant	●
Ergonómicamente diseñada para que el agua y el polvo resbalen por el rail / *Construction will guide rain and dust away* / Ergoniquement conçu pour que l'eau et la poussière glisse sur le rebord	●

COD.	L x W x H (mm)		Kg
50984	464 x 335 x 212	1	3,1



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	60 kg
ABS extra resistente / *Extra-resistant ABS* / ABS extra-résistant	Hasta 90 kg / *Up to 90 kg* / Jusqu'à 90 kg
Panel / *Panel* / Panneau	Superior: cod. 50981 | Inferior: cod. 50982 / *Upper: cod. 50981 | Lower: cod. 50982* / Supérieur: cod. 50981 | Inférieur: cod. 50982
Apilables / *Stackables* / Empilables	●
Auto-basculante / *Self-balancing* / Auto-basculant	●
Ergonómicamente diseñada para que el agua y el polvo resbalen por el rail / *Construction will guide rain and dust away* / Ergoniquement conçu pour que l'eau et la poussière glisse sur le rebord	●

COD.	L x W x H (mm)			Kg
50985	464 x 335 x 362	1	2	5,0



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Posibilidad de incorporar más paneles en el fondo / *Possibility to place more panels on the bottom* / Possibilité d'incorporer plus de panneaux au fond	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	60 kg
ABS extra resistente / *Extra-resistant ABS* / ABS extra-résistant	Hasta 90 kg / *Up to 90 kg* / Jusqu'à 90 kg
Panel / *Panel* / Panneau	Superior: cod. 50981 | Inferior: cod. 50982 / *Upper: cod. 50981 | Lower: cod. 50982* / Supérieur: cod. 50981 | Inférieur: cod. 50982
Apilables / *Stackables* / Empilables	●
Auto-basculante / *Self-balancing* / Auto-basculant	●
Ergonómicamente diseñada para que el agua y el polvo resbalen por el rail / *Construction will guide rain and dust away* / Ergoniquement conçu pour que l'eau et la poussière glisse sur le rebord	●

CARRO DE TRANSPORTE PARA MALETAS ABS APILABLES / *TROLLEY FOR ABS STACKABLE TOOL CASES* / CHARIOT POUR TRANSPORT DE VALISES ABS EMPILABLES / *WAGEN FÜR STAPELBARE WERKZEUGKOFFER* / CARRELLO PER TRASPORTO DI VALIGIE ABS IMPILABILI / *CARRO DE TRANSPORTE PARA MALAS ABS EMPILHÁVEIS* / ТЕЛЕЖКА ДЛЯ ПЛАСТИКОВЫХ ИНСТРУМЕНТАЛЬНЫХ ЯЩИКОВ

SIN MANGO / *WITHOUT HANDLE* / SANS MANCHE / *OHNE GRIFF* / SENZA MANICO / *SEM CABO* / БЕЗ РУКОЯТКИ

COD.	L x W x H (mm)	Kg
50988	470 x 350 x 110	3,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas giratorias y 2 giratorias con freno / *2 revolving and 2 revolving with break wheels* / 2 roues giratoires et 2 giratoires avec frein	●
Capacidad / *Capacity* / Capacité	200 kg





CON MANGO / *WITH HANDLE* / AVEC MANCHE / *MIT GRIFF* / CON MANICO / *COM CABO* / С РУКОЯТКОЙ

COD.	L x W x H (mm)	Kg
50964	430 X 560 X 910	9,0

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	200 kg



MALETA APILABLE / *STACKABLE TOOL CASE* / VALISE EMPILABLE / *STAPELBARER WERKZEUGKOFFER* / CASSETTO PORTAUTENSILI IMPILABILE / *MALA EMPILHÁVEL* / ШТАБЕЛИРУЕМЫЙ КЕЙС

585 × 385 × 190

COD.	L x W x H (mm)	Kg
58870	585 x 385 x 190	5,0

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Apilables / *Stackables* / Empilables	●
Mat: PP	●
Capacidad / *Capacity* / Capacité	12 L





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Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
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585 × 385 × 320

COD.	L x W x H (mm)	Kg
58871	585 x 385 x 320	5,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Apilables / *Stackables* / Empilables	●
Mat: PP	●
Capacidad / *Capacity* / Capacité	38 L



585 × 385 × 420

COD.	L x W x H (mm)	Kg
58872	585 x 385 x 420	6,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Apilables / *Stackables* / Empilables	●
Mat: PP	●
Capacidad / *Capacity* / Capacité	52 L





PLATAFORMA PARA MALETAS APILABLES / *PLATFORM FOR STOCKABLE CASES* / PLATEFORME POUR MALETTES EMPILABLES / *PLATTFORM FÜR STAPELBARE KOFFER* / PIATTAFORMA PER CASSETTE PORTAUNTENSILI IMPILABILI / *PLATAFORMA PARA MALAS MODULARES* / ПЛАТФОРМА ДЛЯ ШТАБЕЛИРУЕМЫХ КЕЙСОВ

COD.	L x W x H (mm)	Kg
58873	745 x 510 x 180	4,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Apilables / *Stackables* / Empilables	●
Mat: PP	●
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	●

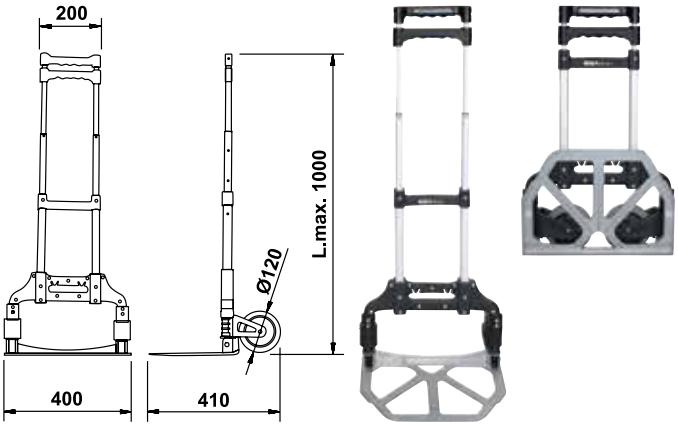


JUEGO DE MALETAS APILABLES CON PLATAFORMA / *STOCKABLE CASE SET WITH PLATFORM* / JEU DE MALETTES EMPILABLES AVEC PLATEFORME / *STAPELBARE KOFFER MIT PLATTFORM* / KIT CASSETTE PORTAUNTENSILI IMPILABILI CON PIATTAFORMA / *CONJUNTO DE MALAS MODULARES COM PLATAFORMA* / КОМПЛЕКТ КЕЙСОВ НА ПЛАТФОРМЕ

COD.	L x W x H (mm)	Kg
58874	745 x 510 x 1000	22



CARRO DE TRANSPORTE UNIVERSAL / *UNIVERSAL TROLLEY* / CHARIOT POUR TRANSPORT UNIVERSEL / *UNIVERSALWAGEN* / CARRELLO PER TRASPORTO UNIVERSALE / *CARRO DE TRANSPORTE MANUAL* / УНИВЕРСАЛЬНАЯ ТЕЛЕЖКА



COD.	L x W x H (mm)		Kg
50986	1000 x 400 x 410	630 x 390 x 60	3,2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 ruedas / *2 wheels* / 2 roues	●
Capacidad / *Capacity* / Capacité	60 kg
Material / *Material* / Matière	Aluminio / *Aluminum* / Aluminium
Cuerda para amarre / *Mooring rope* / Corde pour amarrage	●

CAJAS DE HERRAMIENTAS / *TOOL BOXES* / CAISSES À OUTILS / *WERKZEUGKASTEN* / CASSETTE PORTAUTENSILI / *CAIXAS DE FERRAMENTAS* / ЯЩИКИ ДЛЯ ИНСТРУМЕНТА



Disponible en 4 colores
Available in 4 colors
Disponible en 4 couleurs

COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
51023	495 x 200 x 293	4,5	
51482			
51494			
51506			



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	25 kg
Elementos / *Compartments* / Cases	5

COD.	L x W x H (mm)	Kg	Color / *Colour* / Couleur
51038	404 x 200 x195	3,3	
51485			
51497			
51509			



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	20 kg
Elementos / *Compartments* / Cases	5

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
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COD.	L x W x H (mm)	Kg
64648	550 x 245 x 250	4,0



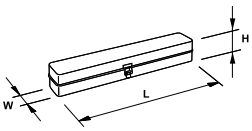
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	20 kg
Elementos / *Compartments* / Cases	1



COD.	L x W x H (mm)	Kg
86280	305 x 50 x 45	0,25
86281	315 x 80 x 40	0,30
86282	410 x 75 x 65	0,56
86283	370 x 100 x 60	0,75
86284	280 x 130 x 75	1,00
86285	540 x 95 x 75	1,25
86286	305 x 45 x 40	0,20
86287	310 x 85 x 40	0,30
86288	380 x 65 x 60	0,65
86289	380 x 100 x 60	0,75
86290	280 x 130 x 75	1,00
86291	540 x 95 x 75	1,25







COD.	L x W x H (mm)	CAP. (kg)	g
51058	400 x 206 x 188	15	950

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Mat: PP	●
Compartimentos / *Compartments* / Cases	8
1 bandeja / *1 tray* / 1 plateau	●





COD.	L x W x H (mm)	CAP. (kg)	Kg
51059	480 x 258 x 255	30	2,2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Estuche / *Case* / Étui	1
Mat: PP	●
Compartimentos / *Compartments* / Cases	8, 16
1 bandeja / *1 tray* / 1 plateau	●





CANDADOS / *PADLOCKS* / UN CADENAS / *VORHÄNGESCHLOSSE* / LUCCHETTI / *CADEADOS* / ЗАМКИ

COD.	L (mm)	O.D. mm	g
11130	32	4,2	28
11131	42	4,6	46



BOLSAS, MOCHILAS Y CHALECOS / *BAGS, POUCHES BACKPACKS AND VESTS* / SACS À DOS ET GILLETS / *TASCHEN, RÜCKSACK UND VESTS* / BORSE, ZAINI E GILET / *BOLSAS, MOCHILAS E COLETES* / СУМКИ, РЮКЗАКИ И ЖИЛЕТЫ

BOLSAS PORTAHERRAMIENTAS / *TOOL BAGS* / SACS PORTE-OUTILS / *WERKZEUGTASCHE* / BORSA PORTAUTENSILI / *BOLSA PORTA FERRAMENTAS* / ИНСТРУМЕНТАЛЬНЫЕ СУМКИ

COD.	L x W x H (mm)	Kg - MAX		
51014	495 x 265 x 340	20	50	●



COD.	L x W x H (mm)	Kg - MAX		
51034	400 x 265 x 295	15	32	●



COD.	L x W x H (mm)	Kg - MAX		
51013	400 x 215 x 305	15	22	●



COD.	L x W x H (mm)	Kg - MAX		
51033	400 x 230 x 295	15	16	●



COD.	L x W x H (mm)	Kg - MAX		
50960	415 x 230 x 260	15	15	●



COD.	L x W x H (mm)	Kg - MAX		
50961	495 x 245 x 290	15	36	●



COD.	L x W x H (mm)	Kg - MAX		
50962	510 x 290 x 360	15	4	●



MOCHILA PORTAHERRAMIENTA / *TOOL BACKPACK* / SAC À DOS PORTE-OUTILS / *WERKZEUG RUCKSACK* / ZAINO PORTA UTENSILI / *MOCHILA PORTA-FERRAMENTA* / РЮКЗАК ДЛЯ ИНСТРУМЕНТОВ

COD.	L x W x H (mm)	Kg - MAX		Kg
50963	390 x 220 x 480	20	66	2,1

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Correas acolchadas ajustables / *Adjustable padded straps* / Bretelles matelassées ajustables	●
Cintas para la fijación de objetos / *Strap to tie objects* / Sangle pour fixation des objets	●
Bolsillos laterales / *Side compartments* / Poches latérales	2
Bolsillo interior en la parte delantera / *Internal pocket at the front of the pack* / Poche intérieure sur la partie avant	1
Bolsillos interiores / *Internal pockets* / Poches intérieures	63





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Management System ISO 9001:2015 ISO 14001:2015
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BOLSA PARA SETS DE LLAVES FIJAS / *BAG FOR OPEN-END WRENCH SETS* / TROUSSE POUR SET DE CLÉS À FOURCHES / *TASCHE F-MAULSCHLÜSSEL* / BORSA PER SET DI CHIAVI FISSE / *BOLSA PARA CONJUNTO DE CHAVES DE BOCA* / СУМКА ДЛЯ НАБОРА РОЖКОВЫХ КЛЮЧЕЙ



COD.	L x W (mm)	PCS.
90052	290 x 250	6
90053	425 x 295	8
90054	510 x 330	10
90055	700 x 370	12

BOLSA PARA SETS DE LLAVES COMBINADAS / *BAG FOR COMBINATION WRENCH SETS* / TROUSSE POUR SET DE CLÉS MIXTES / *TASCHE F-RINGMAULSCHLÜSSEL* / BORSA PER SET DI CHIAVI COMBINATE / *BOLSA PARA CONJUNTO DE CHAVES COMBINADAS* / СУМКА ДЛЯ НАБОРА КОМБИНРОВАННЫХ КЛЮЧЕЙ



COD.	L x W (mm)	PCS.
90080	245 x 280	6
90081	315 x 300	8
90082	435 x 300	10
90083	505 x 360	12
90060	660 x 490	13
90063	775 x 490	14
90061	710 x 490	15
90064	770 x 440	17
90065	740 x 580	26

BOLSA PARA SETS DE LLAVES ACODADAS / *BAG FOR DOUBLE OFFSET RING WRENCH SETS* / TROUSSE POUR SET DE CLÉS POLYGONALES CONTRE-COUDÉES / *TASCHE F-RINGSCHLÜSSEL* / BORSA PER SET DI CHIAVI POLIGONALI / *BOLSA PARA CONJUNTO DE CHAVES DE LUNETA* / СУМКА ДЛЯ НАБОРА НАКИДНЫХ КЛЮЧЕЙ



COD.	L x W (mm)	PCS.
90056	325 x 325	6
90057	500 x 370	8
90058	615 x 440	10
90059	755 x 495	12

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Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
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CHALECO PORTAHERRAMIENTAS / *TOOL VEST* / VESTE PORTE - OUTILS / *WERKZEUGWESTE* / GILET PORTAUTENSILI / *COLETE PORTA FERRAMENTAS* / ЖИЛЕТ ДЛЯ НОШЕНИЯ ИНСТРУМЕНТА

COD.	L x W (mm)
51015	510 x 600



CINTURÓN PORTAHERRAMIENTAS / *TOOL BELT* / CEINTURE PORTE - OUTILS / *WERKZEUGGÜRTEL* / CINTURA PORTAUTENSILI / *CINTURAO PORTA FERRAMENTAS* / ИНСТРУМЕНТАЛЬНЫЙ ПОЯС

COD.	L (inch)	Kg - MAX
51009	32-44	15



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Bolsillos laterales / *Side compartments* / Poches latérales	21

BOLSA 14 BOLSILLOS / *14 POCKETS NYLON BAG* / TROUSSE 14 POCHES / *NYON TASCHE MIT 14 FÄCHER* / BORSA CON 14 TASCHE / *BOLSA 14 BOLSOS* / НЕЙЛОНОВАЯ СУМКА (14 ОТДЕЛЕНИЙ)

COD.		g
50930	14	280



BOLSA 7 BOLSILLOS / *7 POCKETS NYLON BAG* / TROUSSE 7 POCHES / *NYLON TASCHE MIT 7 FÄCHER* / BORSA CON 7 TASCHE / *BOLSA 7 BOLSOS* / НЕЙЛОНОВАЯ СУМКА (7 ОТДЕЛЕНИЙ)

COD.		g
50931	7	250



BOLSA 6 BOLSILLOS / *6 POCKETS NYLON BAG* / TROUSSE 6 POCHES / *NYLON TASCHE MIT 6 FÄCHER* / BORSA CON 6 TASCHE / *BOLSA 6 BOLSOS* / НЕЙЛОНОВАЯ СУМКА (6 ОТДЕЛЕНИЙ)

COD.		g
90162	6	115



ACCESORIO PARA MARTILLO / *ACCESORY FOR HAMMER* / ACCESSOIRE POUR MARTEAU / *ZUBEHÖR F/HAMMER* / ACCESSORIO PER MARTELLO / *ACESSÓRIO PARA MARTELO* / ПОЯСНОЙ КАРМАН ДЛЯ МОЛОТКА

COD.	g
50932	90



CINTO / *BELT* / CEINTURE / *RIEM* / CINTURONE / *CINTO* / ПОЯС

COD.	L (mm)	g
50933	135	260



PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

AERO CONTRACTORS
AERONAÚTICA / AEROSPACE/ AÉRONAUTIQUE
NIGERIA







3

ALICATES Y TENAZAS
PLIERS AND PINCERS
PINCES ET TENAILLES
ZANGEN
PINZE E TENAGLIE
ALICATES E TURQUESES
ПЛОСКОГУБЦЫ И КЛЕЩИ



3 ALICATE MASTERCUT
MASTERCUT PLIER
PINCE MASTERCUT



Premio a la Innovación
Certamen Metalmaq
Lisboa 2001

Innovation Award
Metalmaq
Lisbon 2001

Prix a l'Innovation
Metalmaq
Lisbonne 2001

Medalla de Bronce
Salón Internacional de la Invención
París 2004

Bronze Medal
International Inventors Competition
Paris 2004

Medaille de Bronze
Salon International de l'Invention
Paris 2004



El más eficiente / *The most efficient* / Le plus efficient

Capacidad de corte
Cutting capacity
Capacité de coupe

60 % +



1

Gracias a su sistema de eje desplazado y a la tecnología aplicada en sus bocas, la capacidad de corte se ha incrementado en un 60 % respecto a los alicates tradicionales. Corta clavos de hasta 5 mm de diámetro.

Displaced joint axle high-leverage system, together with the applied technology on the jaws, provides 60% higher cutting capacity than traditional pliers. Cuts nails up to 5mm.

Grâce à un système d'axe deplacé, la capacité de coupe est augmentée de 60% par rapport à une pince traditionnelle. Coupe des clous de 5 mm de diamètre.

2

Eje poligonal extrafuerte para larga duración y suavidad de funcionamiento sin holgura.

Polygonal super-resistant axle pin, long lasting and smooth action.

Axe polygonal extrafort longue durée.

3

Sistema de engastar terminales en los alicates universales.

Terminal Crimping system for combination pliers.

Incluent la fonction sertissage de terminaux.

4

TITACROM® - Tratamiento superficial especial, resistente a la corrosión y a los golpes y roces, es antireflectante y de gran atractivo.

TITACROM® - Special surface treatment, rust-proof and anti-chipping off , it is non-reflecting and with very attractive finishing.

TITACROM® - Traitement superficiel spécial, résistant à la corrosion et aux coups, anti-réfléchissant et au desing attirant.

5

Mango bicomponente BIMAT® ergonómico para un agarre ideal, antideslizante y cómodo.

BIMAT® 2 component ergonomic and anti-slippery handles provide comfortable gripping.

Manche bi-matière ergonomique pour la meilleure accroche.

6

Patentado.
Patented.
Breveté.

ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

CARACTERÍSTICAS

- Sistema de eje desplazado, incrementando la capacidad de corte hasta en un 60 % respecto a los alicates tradicionales.
- Corta clavos de hasta 5 mm de diámetro.
- Eje poligonal extrafuerte para larga duración y suavidad.
- Los alicates universales incorporan una zona de engastar terminales.
- Titacrom®: tratamiento superficial especial, resistente a la corrosión y a los golpes, es antirreflectante y de gran atractivo.
- Mango bicomponente BIMAT ergonómico para un agarre ideal.
- Patentado.

FEATURES

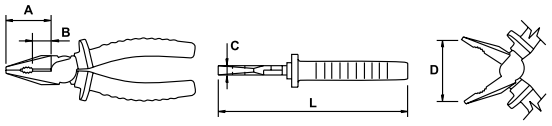
- *Displaced joint axle provides high leverage system and 60% more cutting power than standard pliers. Nails of diameter up to 5mm.*
- *Extraresistant poligonal axle pin, long lasting and smooth action.*
- *Crimping system incorporated in combination pliers for different crimping actions.*
- *Titacrom® special surface treatment, antirusty, non peel off, non reflecting and attractive finishing.*
- *Bimat ergonomic two component handle for ideal grip.*
- *Patented.*

CARACTERISTIQUES

- Grâce à un système d'axe deplacé, la capacité de coupe est augmentée de 60% par rapport à une pince traditionnelle.
- Coupe des clous de 5mm de diamètre.
- Axe polygonal extrafort longue durée.
- Les pinces universelles incluent la fonction sertissage de terminaux.
- Titacrom® traitement superficiel spécial, résistant à la corrosion et aux coups, anti-réfléchissant et au design attirant.
- Manche bi-matière BIMAT ergonomique pour la meilleure accroche.
- Breveté.

MASTERCUT TITACROM® BIMAT

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

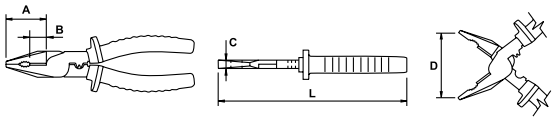


COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62495	165	35	14	10	39	3,5	2,5	2	220	6	●
62496	180	40	16	11	50	4			230		
62479	210	44	19		60	4,5	2,8	2,2	280		



TITACROM® BIMAT | DIN 5746 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62480	235	43	19	13	55	5	3	2,5	380	6	●

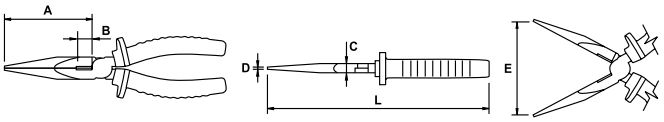


TITACROM® BIMAT | DIN 5746 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	mm	mm	mm	g		
62498	160	55	11	9,5	2,5	46	3	2	1,5	170	6	●
62499	200	75	15		3	70	3,5	2,5	2	210		

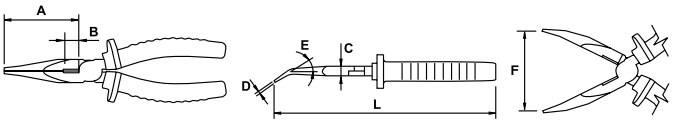


TITACROM® BIMAT ⬡ | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (°)	F (mm)	mm	mm	mm	g		
62500	160	50	13	9,5	3	32	41	3	2	1,5	170	6	●
62501	200	75	14				90	3,5	2,5	2	210		

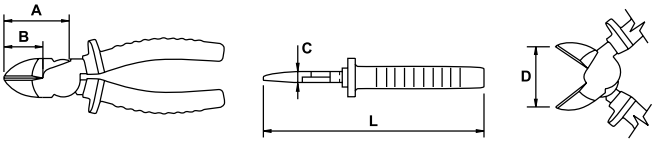


TITACROM® BIMAT ⬡ | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62299	160	37	23	11	35	3	2,5	2	210	6	●
62350	190	40	25		29	3,5	2,7	2,2	250		



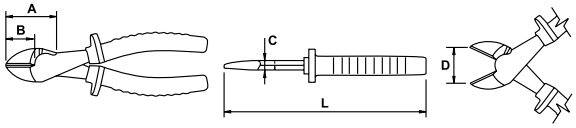
TITACROM® BIMAT ⬡ | DIN 5749 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62300	180	40	21	12	24	3,5	2,7	2,2	350	6	●
62598	200				22	4	3	2,5	380		



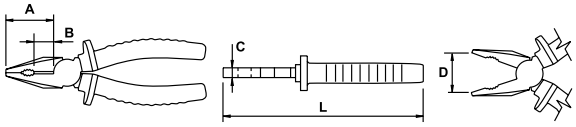
TITACROM® BIMAT | DIN 5749 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TITACROM® BIMAT

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62331	165	36	15	10	38	3	2	1,5	240	6	●
62332	180	38	14	11	41	3,5	2,2		280		
62333	200	43	17	12	50	4	2,5	2	330		

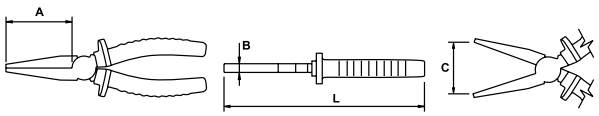


TITACROM® BIMAT | DIN 5746 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	g		
62337	160	55	8,5	40	170	6	●

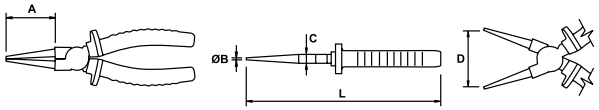


TITACROM® BIMAT | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62338	160	41	2	10	39	160	6	●



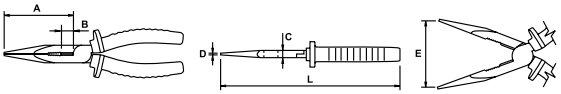
TITACROM® BIMAT | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	mm	mm	mm	g		
62339	160	48	12	9,5	2,3	50	2,5	1,6	1	170	6	●
62340	200	70	14	10,5	2,6	80	3,2	2,2	1,5	210		

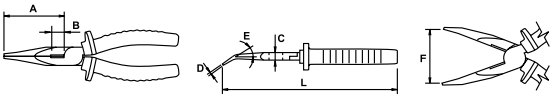


TITACROM® BMAT | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (°)	F (mm)	mm	mm	mm	g		
62341	160	41	12	9,0	2,7	32	47	2,5	1,6	1	170	6	●
62342	200	65	14	11	3,3		70	3,2	2,2	1,5	210		

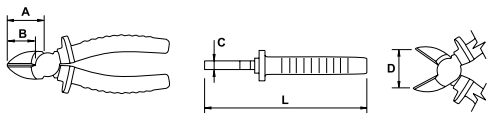


TITACROM® BMAT | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62343	160	25	20	10	25	3	2,2	1,5	210	6	●
62540	190	32	26	11	29	3,2	2,5	2	250		

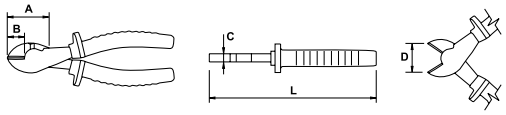


TITACROM® BMAT | DIN 5749 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62344	180	43	21	11	25	3,2	2,5	2	350	6	●
62370	200	48			21	3,5	2,7	2,2	380		



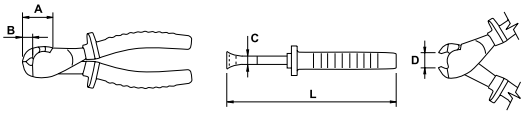
TITACROM® BMAT | DIN 5749 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62345	160	27	9	11	9	3	2,5	2	250	6	●

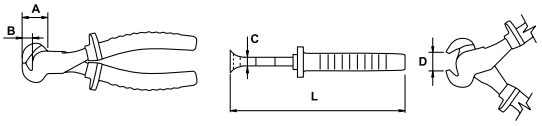


TITACROM® BMAT | DIN 5748 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE FRONTAL ELECTRICISTA / *END CUTTING NIPPER (ELECTRICIAN)* / COUPANTES DEVANT ELECTRICIEN / *ELEKTRIKER VORSCHNEIDER* / TAGLIO FRONTALE PER ELETTRICISTI / *CORTE FRONTAL ELETRICISTA* / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62346	160	20	9	11	19	3	2,3	2	250	6	●
62348	200	22	11	14		3,5	2,8		410		

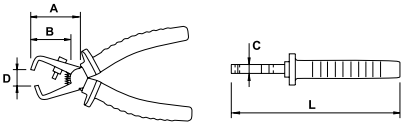


TITACROM® BMAT | DIN 5748 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	O.D. mm	g		
62349	160	44	37	9	21	0,5-6	170	6	●



TITACROM® BMAT | DIN 5743 | Modelo registrado / *Registered model* / Modèle enregistré

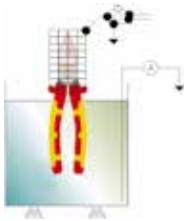
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

MASTERCUT TITACROM® BIMAT 1000V

1000 V IEC 60900



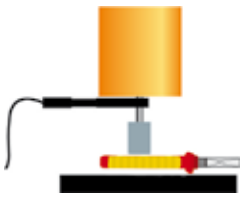
Test dieléctrico a 10.000V
Dielectric test at 10.000V
Test dielectrique a 10.000V
Hochspannungstest 10.000V
Test dielettrico a 10.000V
Teste electrico 10.000V
Диэлектрический тест на 10.000в



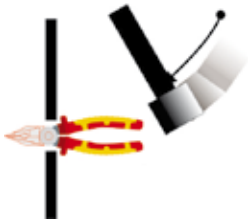
Test de adherencia de mangos
Testing of adhesiveness
Test d'adherence
Klebtest
Test di aderenza dei manici
Teste de aderência dos cabos
Тест проскальзывание



Test de propagación de llama
Heat resistance test
Test de combustibilite
Hitzenbestängigkeitsprüfung
Test di diffusione della fiamma
Teste de propagação de chama
Тест на термическую стойкость

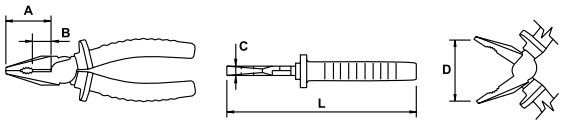


Test de penetración
Penetration test
Test de penetration
Di-Elektrische Prüfung
Prova dielettrica
Teste de penetração
Тест на антикоррозионную устойчивость



Test de impacto
Impact test
Test d'impact
Schlagbiegfestigkeitsprüfung
Test di resa ad impatto
Teste de impacto
Ударный тест

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76606	-	165	35	14	10	39	3,5	2,5	2	220	6	●
76607	VDE	180	40	16	11	50	4			230		
76609		210	44	19		60	4,5	2,8	2,2	280		

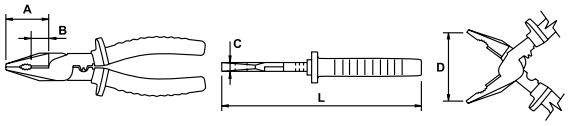


TITACROM® BIMAT 1000V | DIN 5746 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76611	235	43	19	13	55	5	3	2,5	380	6	●



TITACROM® BIMAT 1000V | DIN 5746 | IEC 60900

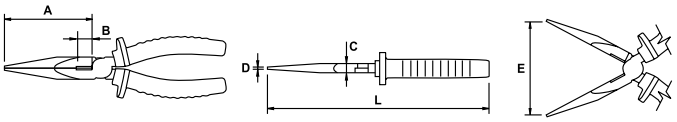
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre 20 Kg/mm²
Medio / *Medium* / Moyen 75 Kg/mm²
Duro / *Hard* / Dur 180 Kg/mm²
Cuerda piano / *Piano wire* / Corde de piano 230 Kg/mm²

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	mm	mm	mm	g		
76612		160	55	11	9,5	2,5	46	3	2	1,5	170	6	●
76613		200	75	15		3	70	3,5	2,5	2	210		



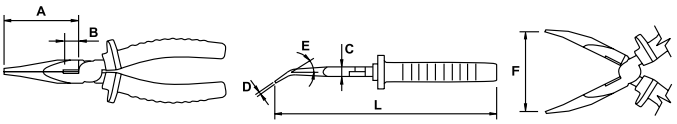
TITACROM® BIMAT 1000 V | DIN 5745 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (°)	F (mm)	mm	mm	mm	g		
76614	160	50	13	9,5	3	32	41	3	2	1,5	170	6	●
76615	200	75	14				90	3,5	2,5	2	210		



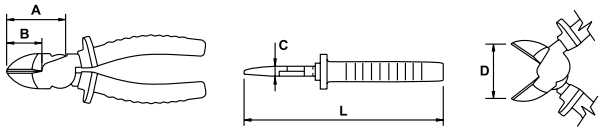
TITACROM® BIMAT 1000 V | DIN 5745 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76616	160	37	23	11	35	3	2,5	2	210	6	●
76617	190	40	25		29	3,5	2,7	2,2	250		



TITACROM® BIMAT 1000 V | DIN 5749 | IEC 60900

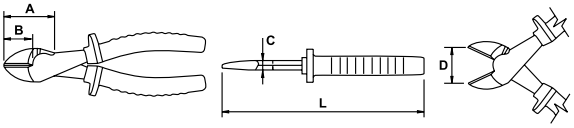
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76618	180	40	21	12	24	3,5	2,7	2,2	350	6	●
76619	200				22	4	3	2,5	380		



TITACROM® BIMAT 1000V | DIN 5749 | IEC 60900

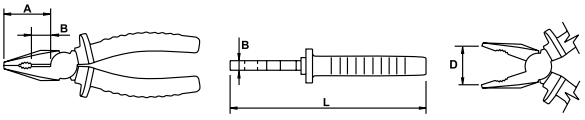
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TITACROM® BIMAT 1000V

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76582	VDE	165	36	15	10	38	3	2	1,5	240	6	●
76583		180	38	14	11	41	3,5	2,2		280		
76584		200	43	17	12	50	4	2,5	2	330		



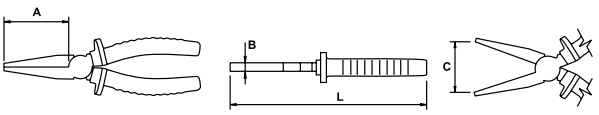
TITACROM® BIMAT 1000V | DIN 5746 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
76589	VDE	160	55	8,5	40	170	6	●



TITACROM® BIMAT 1000V | DIN 5745 | IEC 60900

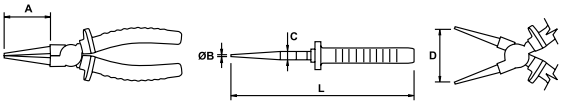
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre 20 Kg/mm² | Medio / *Medium* / Moyen 75 Kg/mm² | Duro / *Hard* / Dur 180 Kg/mm² | Cuerda piano / *Piano wire* / Corde de piano 230 Kg/mm²

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
76590	VDE	160	41	2	10	39	160	6	●



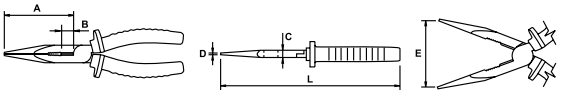
TITACROM BMAT 1000V | DIN 5745 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	mm	mm	mm	g		
76591	VDE	160	48	12	9,5	2,3	50	2,5	1,6	1	170	6	●
76592		200	70	14	10,5	2,6	80	3,2	2,2	1,5	210		



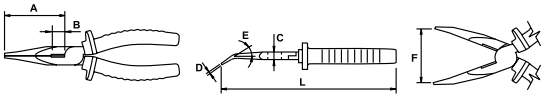
TITACROM BMAT 1000V | DIN 5745 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (°)	F (mm)	mm	mm	mm	g		
76593	VDE	160	41	12	9,0	2,7	32	47	2,5	1,6	1	160	6	●
76594		200	65	14	11	3,3		70	3,2	2,2	1,5	210		



TITACROM BMAT 1000V | DIN 5745 | IEC 60900

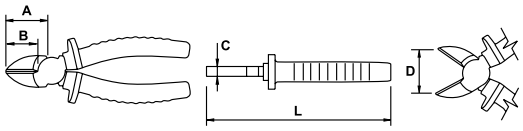
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76595	VDE	160	25	20	10	25	3	2,2	1,5	205	6	●
76596		190	32	26	11	29	3,2	2,5	2	250		



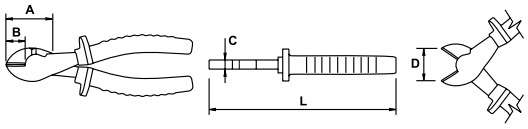
TITACROM BIMAT 1000 V | DIN 5749 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76597	VDE	180	43	21	11	25	3,2	2,5	2	350	6	●
76598		200	48			21	3,5	2,7	2,2	380		



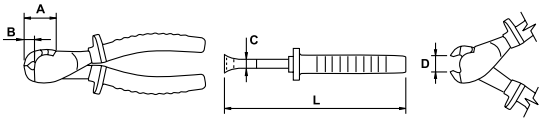
TITACROM BIMAT 1000 V | DIN 5749 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76599	VDE	160	27	9	11	9	3	2,5	2	250	6	●



TITACROM BIMAT 1000 V | DIN 5748 | IEC 60900

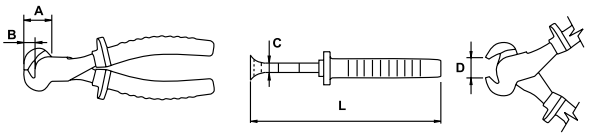
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

CORTE FRONTAL ELECTRICISTA / *END CUTTING NIPPER (ELECTRICIAN)* / COUPANTES DEVANT ELECTRICIEN / *ELEKTRIKER VORSCHNEIDER* / TAGLIO FRONTALE PER ELETTRICISTI / *CORTE FRONTAL ELETRICISTA* / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76600	VDE	160	20	9	11	19	3	2,3	2	250	6	●
76602		200	22	11	14		3,5	2,8		410		



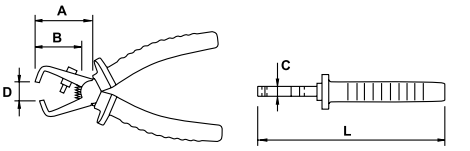
TITACROM® BIMAT 1000 V | DIN 5748 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	O.D. mm	g		
76603	VDE	160	44	37	9	21	0,5-6	170	6	●



TITACROM® BIMAT 1000 V | DIN 5743 | IEC 60900

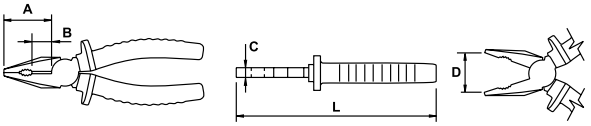
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

PULIDOS BIMAT / *POLISHED BIMAT* / POLIE BIMAT / *GESCHLIEFEN BIMAT* / FINITURA LUCIDA BIMAT / *POLIDOS BIMAT* / ОТПОЛИРОВАНО BIMAT

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62450	160	36	15	10	38	3	2	1,5	240	6	●
62452	200	43	17	12	50	4	2,5	2	330		



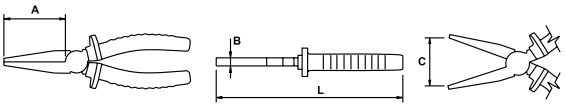
BIMAT | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	g		
62453	160	55	8,5	40	150	6	●

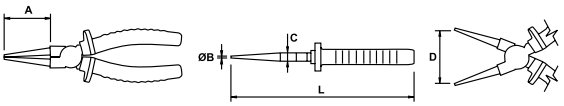
BMAT | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62454	160	41	2	10	39	140	6	●

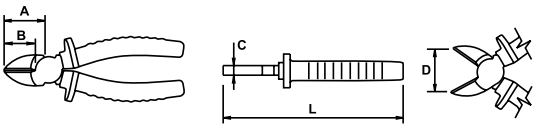
BMAT | DIN 5745 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
62459	160	25	20	10	25	3	2,2	1,5	210	6	●

BMAT | DIN 5749 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

UNIVERSAL MOD. ELECTRICISTA / *LINESMAN'S* / ELECTRICIEN / *KOMBIZANGEN* / UNIVERSALE MOD. PER ELETTRICISTI / *UNIVERSAL MOD. ELETRICISTA* / ЭЛЕКТРИЧЕСКИЕ ПЛОСКОГУБЦЫ

COD.	L (mm)	g		
62074	250	480	6	●

BMAT



Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

ALICATES CIRCLIPS / *CIRCLIPS PLIERS* / PINCES POUR CIRCLIPS / *ZANGEN FÜR SICHERUNGSRINGE* / PINZE PER ANELLI / *ALICATES FREIOS* / СЪЕМНИК КОЛЕЦ

PAVONADO / *BLACK FINISHED* / BRUNIE / *BRÜNIERT* / BRUNITO / *BRUNIDO* / ЧЕРНЕННЫЕ

EXTERIOR RECTO / *EXTERNAL STRAIGHT* / EXTERIEUR DROIT / *AUSSENSICHERUNGSRINGE, GERADE* / DIRITTA PER ESTERNI / *EXTERIOR DIREITO* / НАРУЖНЫЕ ПРЯМЫЕ

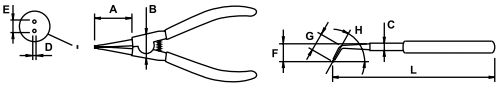


COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	O.D. mm	g		
62214	150	36	23	8,5	0,9	3,8	3-10	105	6	•
62215				9,5	1,2	4,5	10-25			
62183	175	43	25		1,8	5,5	19-60	140		
62216	230	55	29	11	2,4		40-100	280		
62217	320	75	37	13	3,1	9,0	85-200	470		-

DIN 5254



EXTERIOR CURVO / *EXTERNAL BENT* / EXTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATO PER ESTERNI / *EXTERIOR CURVO* / НАРУЖНИЕ ИЗОГНУТЫЕ

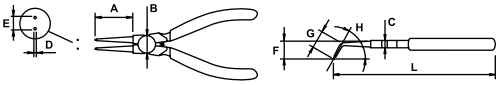


COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (°)	O.D. mm	g		
62218	140	30	22	8,5	0,9	4,5	14	15	50	3-10	105	6	•
62219	145				1,3	5,0	15			10-25			
62182	170	37	25	9,5	1,8	7,0	18	18		19-60	140		
62220	210		28	11	2,2		24	20	90	40-100	280		
62221	300	49	37	14	3,2	9,5	34	30		85-200	490		-

DIN 5254



INTERIOR CURVO / *INTERNAL BENT* / INTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATTO PER INTERNI / *INTERIOR CURVO* / ВНУТРЕННИЕ ИЗОГНУТЫЕ

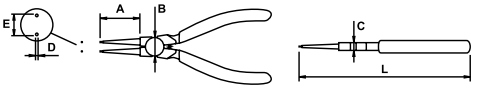


COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (°)	O.D. mm	g		
62226	150	28	16	9,0	1,3	15	16	15	50	8-13	100	6	•
62227						16				12-25			
62180	170	33	18	10,0	1,7		20	17		19-60	150		
62228	215	35	25	11	2,1	50	24	24	90	40-100	270		
62229	300	48	28	13	3	75	33	33		85-200	420		-

DIN 5256



INTERIOR RECTO / *INTERNAL STRAIGHT* / INTERIEUR DROIT / *INNENSICHERUNGSRINGE, GERADE* / DIRITTO PER INTERNI / *INTERIOR DIREITO* / ВНУТРЕННИЕ ПРЯМЫЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	O.D. mm	g		
62222	150	36	16	8,5	1,2	17	8-13	100	6	•
62223					1,3	19	12-25			
62181	175	44	18	9,5	1,8	21	19-60	145		
62224	230	50	24	11	2,2	75	40-100	270		
62225	330	70	27	13	2,9	80	85-200	420		-

DIN 5256



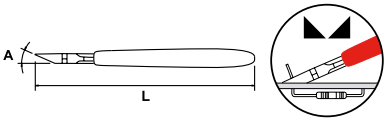
MULTI CIRCLIPS





COD.	L (mm)	O.D. mm	g		
62213	160	10-50	200	3	●

ALICATES DE "CORTE AL RAS" / *FLUSH CUTTING PLIERS* / PINCES COUPANTES À RAS DIAGONALES / *SEITENSCHNEIDER* / PINZA A TAGLIO RASO / *ALICATE DE CORTA DIAGONAL* / БЫСТРОРЕЖУЩИЕ КУСАЧКИ

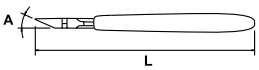


COD.	L (mm)	Max ∅ Cu-Ni	A (°)	g		
63950	130	1,2	25	70	12	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cabeza redondeada / *Rounded hèad* / Tête ronde

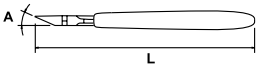


COD.	L (mm)	Max ∅ Cu-Ni	A (°)	g		
63951	125	1,2	25	75	12	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cabeza triangular / *Triangle shaped head* / Tête triangulaire



COD.	L (mm)	Max ∅ Plastic	A (°)	g		
63952	130	7	15	100	12	●



ALICATE DE BOCAS SEMI-REDONDAS Y EXTRA LARGO / *EXTRA-LONG REACH HALFROUND NOSE PLIER* / PINCES À BEC DEMI-RONDES EXTRA-LONGUES / *STORCHSCHNABELZANGE EXTRA LANG* / PINZA A BECCHI MEZZATONDA EXTRA-LUNGA / *ALICATE DE PONTAS SEMI REDONDAS EXTRA LONGO* / СВЕРХДЛИННЫЕ КРУГЛОГУБЦЫ

COD.	L (mm)	°C	g		
63954	280	0	300	6	●



COD.	L (mm)	°C	g		
63955	275	45	250	6	●



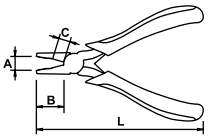
COD.	L (mm)	°C	g		
63956	260	90	270	6	●



MINIS PARA ELECTRÓNICA / *ELECTRONIC PLIERS* / PINCES ELECTRONIQUES / *ELEKTRONIK-ZANGEN* / PINZE PER ELETTRONICA / *ALICATE DE CORTE DIAGONAL TRIANGULAR PARA ELECTRÓNICA* / ПЛОСКОГУБЦЫ ДЛЯ ЭЛЕКТРОНИКИ

TITACROM® BIMAT

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

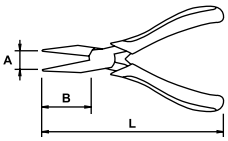


COD.	L (mm)	A (mm)	B (mm)	C (mm)	mm	mm	mm	g		
62241	125	19	21	8	2	1,5	1	70	6	●

TITACROM® BIMAT | DIN 9655



BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ

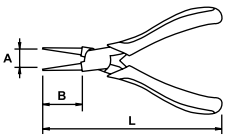


COD.	L (mm)	A (mm)	B (mm)	g		
62242	125	21	28	65	6	●

TITACROM® BIMAT | DIN 9655



BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ



COD.	L (mm)	A (mm)	B (mm)	g		
62243	125	40	25	60	6	●

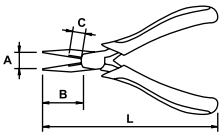
TITACROM® BIMAT | DIN 9655



Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
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ISO 14001:2015
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TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

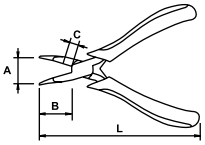


COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
62244	125	42	28	8	2	1,5	1	65	6	●

TITACROM® BMAT | DIN 9655



TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

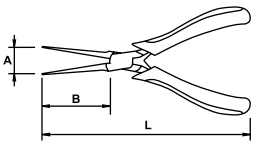


COD.	L (mm)	A (mm)	B (mm)	C (mm)	g		
62245	125	44	26	9	65	6	●

TITACROM® BMAT | DIN 9655



BOCA AGUJA / *LONG NEEDLE NOSE* / LONG BECS DEMI-RONDS / *FLACHZANGE MIT LANGEM MAUL* / BECCHI TONDI AFFUSOLATI / *PONTAS AGULHA* / УДЛИНЕННЫЕ ТОНКИЕ

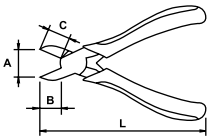


COD.	L (mm)	A (mm)	B (mm)	g		
62246	150	65	48	65	6	●

TITACROM® BMAT | DIN 9655



CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



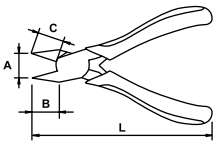
COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
62247	115	13	15	13	1,6	1,2	0,5	60	6	●

TITACROM® BMAT | DIN 9654



○ Blando / *Soft* / Tendre **20 Kg/mm²**
◑ Medio / *Medium* / Moyen **75 Kg/mm²**
◕ Duro / *Hard* / Dur **180 Kg/mm²**
● Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

CORTE DIAGONAL TRIANGULAR / *DIAGONAL CUTTING TRIANGULAR* / COUPANTES DIAGONALE TRIANGULAIRE / *SEITENSCHNEIDER* / TAGLIO LATERALE TRIANGOLARE / *CORTE DIAGONAL TRIANGULAR* / БОКОРЕЗЫ ТРЕУГОЛЬНЫЕ

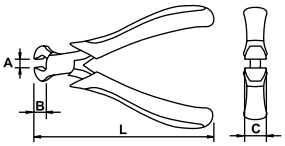


COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
62248	115	25	14	13	1,6	1,2	0,5	60	6	●

TITACROM® BIMAT | DIN 9654



CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ



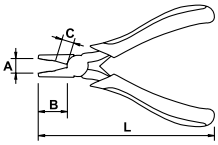
COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
62249	110	19	7,5	17	2	1	0,5	60	6	●

TITACROM® BIMAT | DIN 9654



DESCARGA ELECTROSTÁTICA / *ELECTRO STATIC DISCHARGE* / DÉCHARGE ÉLECTROSTATIQUE / *ELEKTROSTATISCHE ABLADUNG* / SCARICA ELETTRICITA STATICA / *DESCARGA ELECTROSTÁTICA* / РАЗРЯЖАТЕЛЬ СТАТИЧЕСКОГО ЭЛЕКТРИЧЕСТВА

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

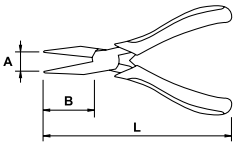


COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
64730	120	25	22	8	2	1,5	1	75	12	●

ESD BIMAT



BOCA PLANA / *FLAT NOSE* / BEC PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ



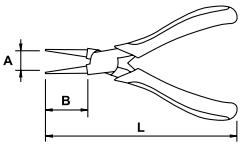
COD.	L (mm)	A (mm)	B (mm)	g		
64731	135	38	36	90	12	●

ESD BIMAT



○ Blando / *Soft* / Tendre **20 Kg/mm²**
◑ Medio / *Medium* / Moyen **75 Kg/mm²**
◕ Duro / *Hard* / Dur **180 Kg/mm²**
● Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ

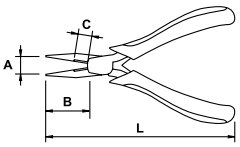


COD.	L (mm)	A (mm)	B (mm)	g		
64732	130	47	27	75	12	●

ESD BIMAT



TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

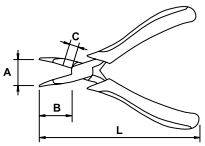


COD.	L (mm)	A (mm)	B (mm)	C (mm)	mm	mm	mm	g		
64733	135	33	40	9	2	1,5	1	90	12	●

ESD BIMAT



TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

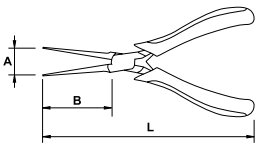


COD.	L (mm)	A (mm)	B (mm)	C (mm)	mm	mm	mm	g		
64734	135	31	36	9	2	1,5	1	90	12	●

ESD BIMAT



BOCA AGUJA / *LONG NEEDLE NOSE* / LONG BECS DEMI-RONDS / *FLACHZANGE MIT LANGEM MAUL* / BECCHI TONDI AFFUSOLATI / *PONTAS AGULHA* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)	A (mm)	B (mm)	g		
64735	155	70	47	85	10	●

ESD BIMAT



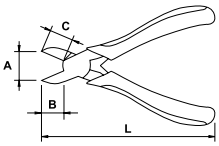
Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

NATO OTAN
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Management System
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CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИ

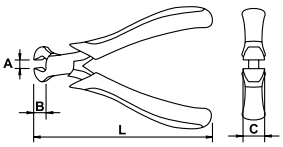


COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g	▬	▮
64736	120	18	14	13	1,6	1,2	0,5	75	12	●

ESD BIMAT



CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g	▬	▮
64737	110	10	9	18	2	1	0,5	90	12	●

ESD BIMAT





○ Blando / *Soft* / Tendre **20 Kg/mm²**
◑ Medio / *Medium* / Moyen **75 Kg/mm²**
◕ Duro / *Hard* / Dur **180 Kg/mm²**
● Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

TITACROM® BIMAT

COD.	PCS.
62330	36

TITACROM® BIMAT

PCS.	COD. PCS.	
3	62331	165 mm
	62332	180 mm
	62333	200 mm
	62337	160 mm
	62338	
	62339	
	62340	200 mm
	62341	160 mm
	62342	200 mm
	62343	160 mm
	62344	180 mm
	62345	160 mm



MINIS PARA ELECTRÓNICA / *ELECTRONIC PLIERS* / PINCES ELECTRONIQUES / *ELEKTRONIK-ZANGEN* / PINZE PER ELETTRONICA / *ALICATE DE CORTE DIAGONAL TRIANGULAR PARA ELECTRÓNICA* / ПЛОСКОГУБЦЫ ДЛЯ ЭЛЕКТРОНИКИ

TITACROM® BIMAT

COD.	PCS.
62265	36

TITACROM® BIMAT

PCS.	COD. PCS.	
6	62241	125 mm
3	62242	
	62243	
	62244	
	62245	
6	62246	150 mm
	62247	115 mm
3	62248	
	62249	110 mm



KITS

TITACROM® BIMAT

COD.	PCS.	
69365	3	A
68475		B

TITACROM® BIMAT

PCS.	COD. PCS.	
1	62332	180 mm
	62343	160 mm
	62349	



TITACROM® BIMAT

COD.	PCS.	
69370	3	A
68476		B

TITACROM® BIMAT

PCS.	COD. PCS.	
1	62332	180 mm
	62343	160 mm
	62446	250 mm



Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

TITACROM® BIMAT

COD.	PCS.	
69375	3	A
68477		B

TITACROM® BIMAT

PCS.	COD. PCS.	
1	62332	180 mm
	62343	160 mm
	62340	200 mm



TITACROM® BIMAT

COD.	PCS.	
69380	3	A
68478		B

TITACROM® BIMAT

PCS.	COD. PCS.	
1	62332	180 mm
	62343	160 mm
	62142	250 mm



TITACROM® BIMAT 1000V

COD.	PCS.	
76604	3	A
76605		B

TITACROM® BIMAT

PCS.	COD. PCS.	
1	76607	180 mm
	76616	160 mm
	76603	



CIRCLIPS

COD.	PCS.
68540	4

PCS.	COD. PCS.	O.D. mm	
1	62214	3-10	150 mm
	62218		
	62222	8-13	
	62226		



COD.	PCS.
68542	4

PCS.	COD. PCS.	O.D. mm	
1	62183	19-60	180 mm
	62182		170 mm
	62181		180 mm
	62180		170 mm

COD.	PCS.
68541	4

PCS.	COD. PCS.	O.D. mm	
1	62215	10-25	150 mm
	62219		
	62223	12-25	
	62227		

COD.	PCS.
62209	4

PCS.	COD. PCS.	O.D. mm	
1	62216	40-100	230 mm
	62220		210 mm
	62224		220 mm
	62228		210 mm

MINIS PARA ELECTRÓNICA / *ELECTRONIC PLIERS* / PINCES ELECTRONIQUES / *ELEKTRONIK-ZANGEN* / PINZE PER ELETTRONICA / *ALICATE DE CORTE DIAGONAL TRIANGULAR PARA ELECTRÓNICA* / ПЛОСКОГУБЦЫ ДЛЯ ЭЛЕКТРОНИКИ

TITACROM® BIMAT

COD.	PCS.
69434	3

TITACROM® BIMAT

PCS.	COD. PCS.	
1	62249	110 mm
	62241	125 mm
	62247	115 mm



COD.	PCS.
69433	8

TITACROM® BIMAT

PCS.	COD. PCS.	
1	62244	125 mm
	62245	
	62246	150 mm
	62247	115 mm
	62249	110 mm
	66846	50 x 2
	66850	PH-00
	69530	-



DESCARGA ELECTROSTÁTICA / *ELECTRO STATIC DISCHARGE* / DÉCHARGE ÉLECTROSTATIQUE / *ELEKTROSTATISCHE ABLADUNG* / SCARICA ELETTRICITA STATICA / *DESCARGA ELECTROSTÁTICA* / РАЗРЯЖАТЕЛЬ СТАТИЧЕСКОГО ЭЛЕКТРИЧЕСТВА

COD.	PCS.
68898	8

ESD BIMAT

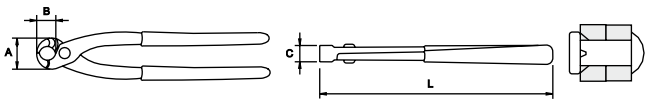
PCS.	COD. PCS.	Descripción / *Description* / Description		
1	64730	Alicate universal ESD / *ESD Combination plier*	115 mm	-
	64736	Alicate corte diagonal ESD / *ESD Diagonal cutting plier*		
	64733	Alicate telefonista ESD / *ESD Long nose plier*	135 mm	
	64742	Destornilladores ESD / *ESD Screwdrivers*	2 x 60 mm	
	64744		3 x 60 mm	
	64747		PH00	
	64748		PH0	
	64749		PH1	



TENAZAS / *PINCERS* / TENAILLES / *ZANGEN* / TENAGLIE / *ALICATES* / КЛЕЩИ

TENAZA RUSA / *TOWER PINCER* / PINCE RUSSE / *RABITZZANGE* / TENAGLIA PER CEMENTISTI / *TURQUES RUSSA* / КЛЕЩИ

MASTERPLUS TITACROM®

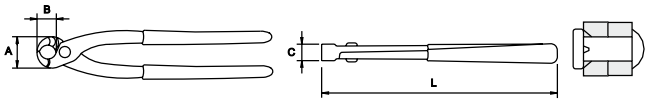


COD.	L (inch)	A (mm)	B (mm)	C (mm)	g		
62123	9	35	12	23	400	6	●
62124	10				410		
62125	11	37	16	26	470		



TITACROM® | DIN 9242

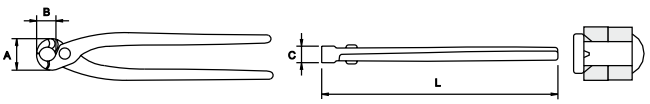
MASTERPLUS



COD.	L (inch)	A (mm)	B (mm)	C (mm)	g		
62140	9	35	12	23	400	6	●
62142	10				410		
62138	11	37	16	26	470		



DIN 9242

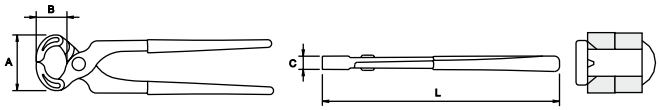


COD.	L (inch)	A (mm)	B (mm)	C (mm)	g		
62126	13	40	19	22	740	6	●



DIN 9242

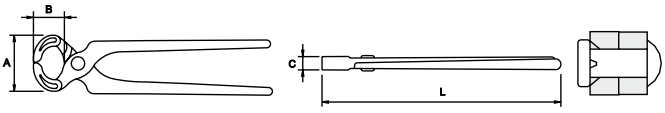
TENAZA DE CARPINTERO / *CARPENTER PINCER* / PINCE DE MENUISIER / *KANTENZANGE* / TENAGLIA PER CARPENTIERI / *TURQUES DE CARPINTEIRO* / КЛЕЩИ ДЛЯ ПЛИТКИ



COD.	L (inch)	A (mm)	B (mm)	C (mm)	g		
62437	6	47	20	19	250	6	●
62438	7	50	24	20	310		
62439	8	55	26	21	380		
62440	9		27	25	400		



DIN 9243

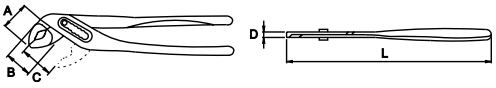


COD.	L (inch)	A (mm)	B (mm)	C (mm)	g		
62144	6	47	20	19	250	10	
62145	7	50	24	20	310		●
62146	8	55	26	21	360	6	



DIN 9243

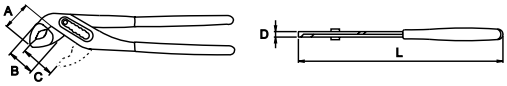
TENAZA DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ШАРНИРНЫЕ



COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62133	7	28	28	25	7,0	165	12	
62135	10	32	36	34		400		●
62134	12	43	38	46	8,0	600	6	



DIN 8976

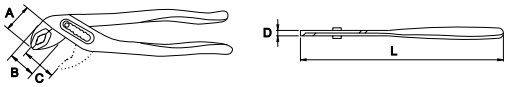


COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62127	7	28	28	25	7,0	165	12	
62128	10	32	36	34		350		●
62129	12	43	46	46	8,0	500	6	



DIN 8976

BOCA FINA / *NEAT TIPS* / BECS FINS / *FEINE BACKEN* / A PUNTA FINE / *PONTAS FINAS* / ПИНЦЕТ ЗАОСТРЕННЫЙ

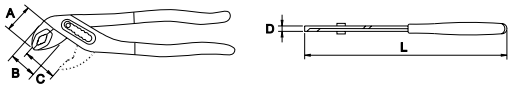


COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62793	7	27	27	25	7,0	170	12	
62794	10	32	33	32		360		●
62795	12	40	35	43	9,0	570	6	



DIN 8976

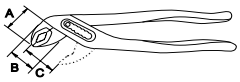
CON MANGO / *WITH HANDLE* / AVEC MANCHE / *MIT GRIFF* / CON MANICO / *COM CABO* / С РУКОЯТКОЙ



COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
68555	7	27,5	27	27	5	190		
68556	10	32	33	36	7	380	6	●
68557	12	43	35,5	39	9	610		



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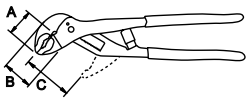


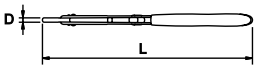
COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
68558	7	27,5	27	27	5	170	6	●
68559	10	32	33	36	7	350		
68560	12	43	35,5	39	9	560		



TITACROM®

AUTO GRIP





COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62706	7	24	30	47	6	200	6	●
62707	10	30	39	59	7,5	350		
62708	12	36	46	71	8	550		

DIN 8976

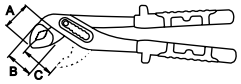


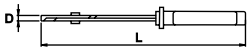


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con efecto muelle / *With spring effect* / Avec effet ressort

TITACROM® BIMAT



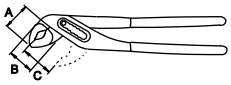


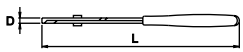
COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62297	10	32	36	34	7,0	400	5	●
62298	12	43	46	46	8,0	610		



TITACROM® BIMAT | DIN 8976

TITACROM®

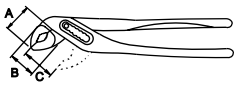




COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62294	10	32	36	34	7,0	400	6	●
62295	12	43	46	46	8,0	610		



TITACROM® | DIN 8976





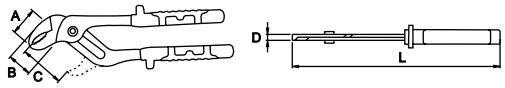
COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62291	10	32	36	34	7,0	400	12	●
62292	12	43	46	46	8,0	600	6	



TITACROM® | DIN 8976

PICO DE LORO / *GROOVE JOINT* / MULTIPRISE À CRÉMAILLÈRE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ЖЕЛОБКОВОГО ТИПА

TITACROM® BIMAT

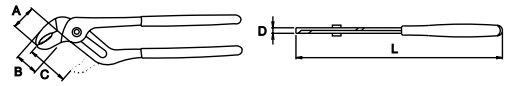


COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62445	8	30	36	30	9,0	300	5	●
62446	10	34	40	36	10	460		
62447	12	43	48	48	11	700		

TITACROM® BIMAT | DIN 8976



TITACROM®

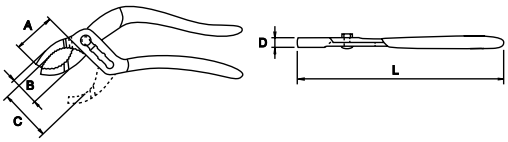


COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62105	8	30	36	30	9,0	240	6	●
62106	10	34	40	36	10	390		
62107	12	43	48	48	11	600		
62108	16	70	60	85	12	1300		-

TITACROM® | DIN 8976



TENAZA DE SIFÓN / *SYPHON PLIER* / PINCE SANIGRIP / *SIPHONZANGE* / PINZA PER SIFONI / *ALICATE DE SIFÃO* / КЛЕЩИ ДЛЯ СИФОНОВ



COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62136	10	45	36	60	15	300	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fundas blandas / *Soft sleeves* / Mâchoires de protection en plastique molle

ALICATE TIPO FORD / *SLIP JOINT PLIER* / PINCE MOTORISTE / *MECHANIKERZANGE* / PINZE PER GASISTI / *ALICATE MOTORISTA* / СКОЛЬЗЯЩИЕ КЛЕЩИ

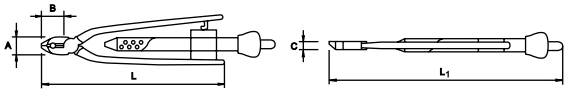


COD.	L (inch)	A (mm)	B (mm)	C (mm)	g		
62090	6	29	3,0	10	200	6	●
62091	8	31	8,0		275	7	
62092	10	39		12	430	8	

TITACROM®



ALICATE TRENZADOR DE ALAMBRE / *WIRE TWIST PLIER* / PINCE À FREINER / *DRAHTWIRBELZANGE* / PINZA TORCIFILO / *ALICATE TORCEDOR DE ARAME* / КЛЕЩИ ДЛЯ ТРОСОВ

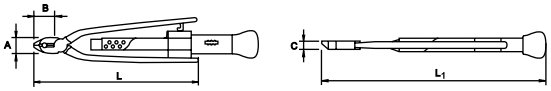


COD.	L (inch)	A (mm)	B (mm)	C (mm)	L1 (mm)	g		
62624	6	215	17	23	210	250	6	●
62625	9	270	21	29	270	380		



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Resistencia a la tracción / *Tensile strenght-break* / Résistance à la traction	75 kg/mm2: hasta 1,5 mm - 120 Kg/mm2: hasta 1 mm - 200 Kg/mm2: hasta 0, 5 mm alambre / *75 kg/mm2: up to 1.5 mm - 120 Kg/mm2: up to 1 mm - 200 Kg/mm2: up to 0, 5 mm wire* / 75 kg/mm2: jusqu'à 1.5 mm - 120 Kg/mm2: jusqu'à 1 mm - 200 Kg/mm2: jusqu'à 0, 5 mm fil de fer

REVERSIBLE / *REVERSIBLE* / RÉVERSIBLE / *UMSCHALTBAR* / REVERSIBILE / *REVERSÍVEL* / РЕВЕРСИВНЫЙ



COD.	L (inch)	L1 (mm)	A (mm)	B (mm)	C (mm)	g		
62627	6"	235	17	23	10	330	6	●
62628	9"	285	21	29	12	450		



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Resistencia a la tracción / *Tensile strenght-break* / Résistance à la traction	75 kg/mm2: hasta 1,5 mm - 120 Kg/mm2: hasta 1 mm - 200 Kg/mm2: hasta 0, 5 mm alambre / *75 kg/mm2: up to 1.5 mm - 120 Kg/mm2: up to 1 mm - 200 Kg/mm2: up to 0, 5 mm wire* / 75 kg/mm2: jusqu'à 1.5 mm - 120 Kg/mm2: jusqu'à 1 mm - 200 Kg/mm2: jusqu'à 0, 5 mm fil de fer

REMACHADORAS / *RIVETERS* / PINCES À RIVETER / *NIETER* / RIVETTATRICI / *ALICATES DE REBITAR* / ЗАКЛЕПОЧНИКИ

REMACHADORA MANUAL / *HAND RIVETER* / PINCE À RIVETER MANUELLE / *HANDNIETZANGE POP* / RIVETTATRICE / *REBITADORA MANUAL* / ЗАКЛЕПОЧНИК РУЧНОЙ

COD.	L (mm)	CAP. Ø		g	
61340	260	2,4-5	2,4-3,2-4-4,8	550	●



REMACHADORA DE BRAZOS LARGOS / *LONG ARM RIVETER* / PINCE À RIVETER LONGS BRAS / *LANGARM NIETZANGE* / RIVETTATRICE CON BRACCIA LUNGHE / *REBITADORA DE BRAÇOS* / ЗАКЛЕПОЧНИК С УДЛИНЕННЫМИ РУКОЯТКАМИ

COD.	L (mm)	CAP. Ø		g	
65858	560	3,2-6,4	3,2-4-4,8-6-6,4	1800	●



REMACHADORA EXTENSIBLE / *EXTENDIBLE RIVETER* / PINCE À RIVETER EXTENSIBLE / *AUSZIEHBARE NIETZANGE* / RIVETTATRICE ESTENSIBILE / *REBITADORA EXTENSÍVEL* / ЗАКЛЕПОЧНИК-ГАРМОШКА

COD.	L (mm)	CAP. Ø		g	
65859	820	3,2-6,4	3,2-4-4,8-6-6,4	1950	●



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ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

TENAZA RUSA+TENAZA DE CARPINTERO / *TOWER PINCER+CARPENTER PINCER* / PINCE RUSSE+PINCE DE MENUISIER / *RABITZZANGE+KANTENZANGE* / TENAGLIA PER CEMENTISTI+TENAGLIA PER CARPENTIERI / *TURQUES RUSSA+TURQUES DE CARPINTEIRO* / КЛЕЩИ+КЛЕЩИ ДЛЯ ПЛИТКИ

36 PCS.



COD.	PCS.
69427	36

PCS.	COD. PCS.	
12	62140	9"
	62142	10"
6	62123	9"
	62124	10"





COD.	PCS.
69430	36

PCS.	COD. PCS.	
6	62123	9"
	62124	10"
	62140	9"
	62142	10"
	62438	7"
	62439	8"







COD.	PCS.
69429	36

PCS.	COD. PCS.	
6	62437	6"
12	62438	7"
	62439	8"
6	62440	9"



COD.	PCS.
69425	36

PCS.	COD. PCS.	
12	62140	9"
	62142	10"
	62138	11"



COD.	PCS.
69426	36

PCS.	COD. PCS.	
12	62123	9"
	62124	10"
	62125	11"



DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ШАРНИРНЫЕ

36 PCS.



COD.	PCS.
69416	36

PCS.	COD. PCS.		
6	62133	7"	
	62135	10"	
	62134	12"	
	62127	7"	
	62128	10"	
	62129	12"	

COD.	PCS.
69417	36

PCS.	COD. PCS.		
6	62291	10"	
	62292	12"	
	62294	10"	
	62295	12"	
	62297	10"	
	62298	12"	

COD.	PCS.
69420	36

PCS.	COD. PCS.		
18	62291	10"	
	62292	12"	

COD.	PCS.
69421	36

PCS.	COD. PCS.		
18	62294	10"	
	62295	12"	

COD.	PCS.
69418	36

PCS.	COD. PCS.		
12	62133	7"	
	62135	10"	
	62134	12"	

COD.	PCS.
69419	36

PCS.	COD. PCS.		
12	62127	7"	
	62128	10"	
	62129	12"	

COD.	PCS.
69422	36

PCS.	COD. PCS.		
12	62105	8"	
	62106	10"	
	62107	12"	

COD.	PCS.
69423	36

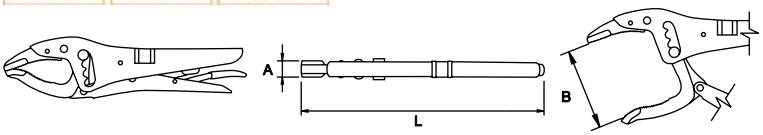
PCS.	COD. PCS.	
12	62445	8"
	62446	10"
	62447	12"



GRIP TITACROM®

TENAZA GRIP MULTIPOSICIÓN DE GRAN CAPACIDAD / *MULTIPOSITION LARGE CAPACITY GRIP PLIER* / PINCE ÉTAU GRANDE CAPACITÉ, MULTIPOSITIONS / *GRIPZANGE FÜR GROSSE DURCHMESSER* / PINZA AUTOBLOCCANTE A DOPPIA REGOLAZIONE / *ALICATE DE GRIF MULTIPOSIÇÃO DE GRANDE CAPACIDADE* / МНОГОПОЗИЦИОННЫЕ ЗАЖИМНЫЕ ЩИПЦЫ GRIP С БОЛЬШОЙ ЕМКОСТЬЮ





COD.	L (inch)	A (mm)	B (mm)	Max. (kg)	g		
62097	10	18	100	1135	650	8	●

*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)

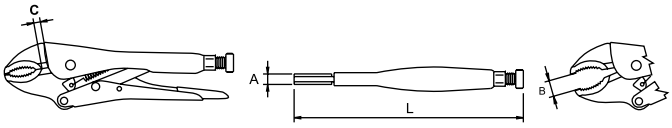


COD.	L (inch)	L (mm)	A (mm)	B (mm)	Max. (daN) *	g		
62096	10	250	18	80	310	760	8	●

*: Máxima presión (daN) / *Maximum pressure (daN)* / Pression maximale (daN)



TENAZA GRIP CON CORTACABLES / *GRIP PLIER WITH WIRE CUTTER* / PINCE ÉTAU À COUPE / *GRIPZANGE MIT DRAHTSCHNEIDER* / PINZE A MORSETTO CON TAGLIACAVI / *ALICATE DE GRIF CORTA CABOS* / КЛЕЩИ ДЛЯ СВАРКИ С РЕЗКОЙ ПРОВОДОВ

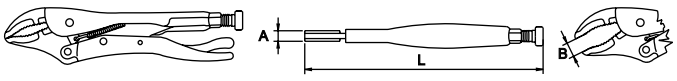


COD.	L (inch)	A (mm)	B (mm)	Boca / *Jaw* / Bec	Max. (kg)	g		
62179	4	7,0	25	Curva / *Curved* / Courbée	363	100	6	●
62177	5	8,0	35		408	160		
62178	7	13	42		1135	360		
62172	10	14	65			550		

*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)



TENAZA GRIP BOCA CURVA SIN CORTACABLES / *CURVED JAW GRIP PLIER WITHOUT WIRE CUTTER* / PINCE ÉTAU SANS COUPE CABLE / *GRIPZANGE MIT GEBOGEN BACKEN OHNE DRAHTSCHNEIDER* / PINZE GRIP BOCCA CURVA SENZA TAGLIACAVI / *ALICATE DE GRIF BOCA CURVA SEM CORTA CABOS* / ИЗОГНУТЫЕ КЛЕЩИ ДЛЯ СВАРКИ С РЕЗКОЙ ПРОВОДОВ

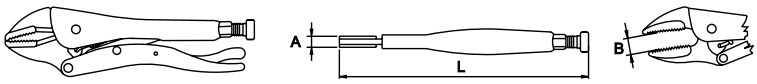


COD.	L (inch)	A (mm)	B (mm)	Boca / *Jaw* / Bec	Max. (kg)	g		
62260	7	9,0	42	Curva / *Curved* / Courbée	1135	350	6	●
62261	9	11	52			500		

*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)



TENAZA GRIP BOCA RECTA / *STRAIGHT JAW GRIP PLIER* / PINCE ÉTAU BECS DROITS / *GRIPZANGE MIT GERADE BACKEN* / PINZE A MORSETTO DIRITTE / *ALICATES DE GRIF BOCA RECTA* / ПРЯМЫЕ КЛЕЩИ ДЛЯ СВАРКИ

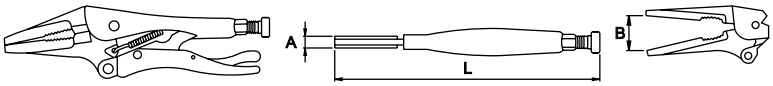


COD.	L (inch)	A (mm)	B (mm)	Boca / *Jaw* / Bec	Max. (kg)	g		
62414	7	14	45	Recta / *Straight* / Droite	1135	350	6	●
62231	10	16	60			500		



*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)

BOCAS LARGAS / *LONG NOSE JAWS* / BECS LONGS / *GRIPZANGE MIT LANGEN BACKEN* / PINZE A MORSETTO PIATTO / *PONTAS COMPRIDAS* / КЛЕЩИ ДЛЯ СВАРКИ С ДЛИННЫМИ НОСАМИ

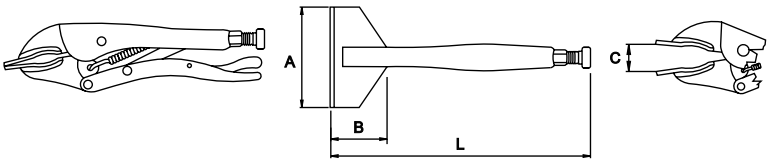


COD.	L (inch)	A (mm)	B (mm)	Max. (kg)	g		
62485	6,5	8,0	60	204	185	6	●
62486	8,5	10	75	408	360		



*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)

CON MORDAZAS PARA CHAPA / *SHEET METAL GRIP PLIER* / POUR TOLE / *GRIPZANGE FÜR STAHLPLATTEN* / CON MORSA PER LAMIERE / *COM MORDENTES PARA CHAPA* / КЛЕЩИ ДЛЯ СВАРКИ ЛИСТОВ МЕТАЛЛА

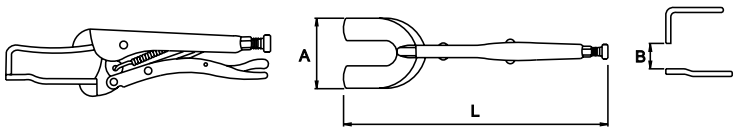


COD.	L (inch)	A (mm)	B (mm)	C (mm)	Max. (kg)	g		
62487	8	80	42	17	454	490	4	●



*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)

CON MORDAZAS PARA SOLDADURA / *WELDING GRIP PLIER* / POUR CORNIERE / *SCHWEISSERGRIPZANGE* / CON MORSA PER SOLDATURA / *COM MORDENTES PARA SOLDADURA* / КЛЕЩИ ДЛЯ СВАРКИ

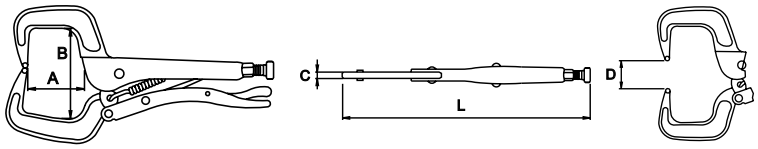


COD.	L (inch)	A (mm)	B (mm)	Max. (kg)	g		
62508	9	70	26	227	600	2	●
62509	11	75	35		800		



*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)

CON MORDAZAS EN "C" / *"C" CLAMPS GRIP PLIER* / PINCE-ÉTAU COL DE CYGNE / *GRIPZANGE MIT "C" BACKEN* / PINZE A MORSETTO A FORMA DI "C" / *COM MORDENTES EM "C"* / КЛЕЩИ ДЛЯ СВАРКИ С ЗАЖИМОМ "C"

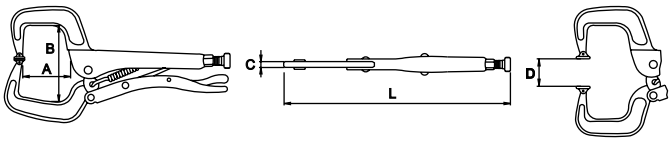


COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	Max. (kg)	g		
62492	11	75	100	7,0	50	408	750	6	●



*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)

CON MORDAZAS EN "C" BASCULANTES / *"C" CLAMPS SWIVEL PADS GRIP PLIER* / PINCE-ÉTAU A MACHOIRES BASCULANTES / *GRIPZANGE MIT SCHWENKBACKEN* / PINZE A MORSETTO BASCULANTE / *COM MORDENTES EM BASCULANTES* / КЛЕЩИ ДЛЯ СВАРКИ С ЗАЖИМОМ "C" И С ПОВОРОТНЫМИ ГУБКАМИ

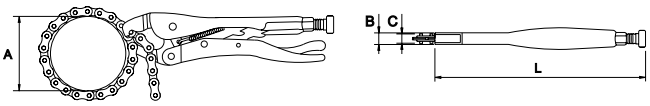


COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	Max. (kg)	g		
62489	7	55	55	5,0	15	227	270	6	●
62490	11	70	95	6,0	45	408	800		
62491	18	250	100	12	120	1135	1450		-

*: Máxima presión (kg) / *Maximum pressure (kg)* / Pression maximale (kg)



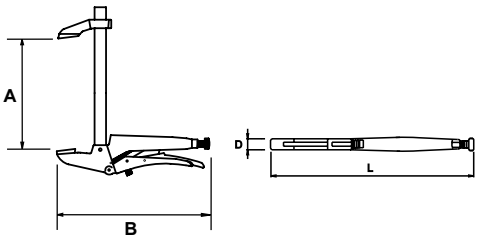
TENAZA GRIP CON CADENA / *GRIP PLIER WITH CHAIN* / PINCE ÉTAU À CHAÎNE / *GRIPZANGE MIT KETTE* / PINZE A MORSETTO CON CATENA / *ALICATES DE GRIF COM CORRENTE* / КЛЕЩИ ДЛЯ СВАРКИ С ЦЕПНЫМ ЗАЖИМОМ



COD.	L (inch)	A (mm)	B (mm)	C (mm)	L (inch)	g	
62174	9	150	13	7,0	20	750	1
62601		215			27.1/2	850	



GRIP-SARGENTO / *CLAMP GRIP PLIER* / PINCE-ÉTAU SERRE-JOINT / *GRIPZANGE MIT KLEMME* / PINZE GRIP A SERRAGGIUNTO / *ALICATE PRESSÃO COM GRAMPO* / КЛЕЩИ ДЛЯ СВАРКИ С ЗАЖИМОМ



COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	Max. (kg)	g	
62571	10	60	300	200	15	1135	1180	1



EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

25 PCS.

COD.	PCS.
55572	25

PCS.	COD. PCS.	
25	62097	10"



30 PCS.

COD.	PCS.
55573	30

PCS.	COD. PCS.	
6	62260	7"
	62261	9"
	62231	10"
	62178	7"
	62172	10"



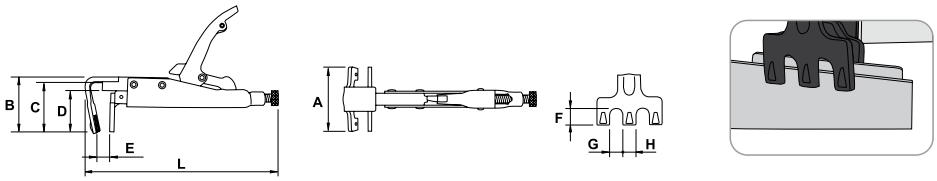
22 PCS.

COD.	PCS.
55574	22

PCS.	COD. PCS.	
6	62177	5"
	62485	6,5"
	62486	8,5"
2	62487	8"
	62508	9"

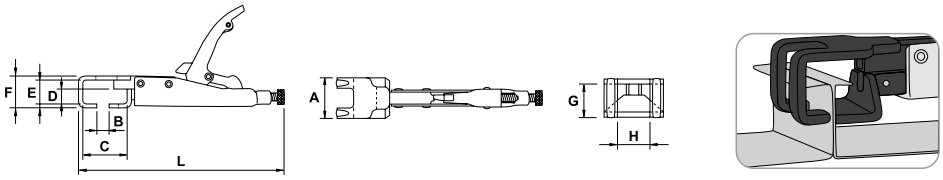


TENAZAS AXIALES / *AXIAL GRIP PLIERS* / PINCE-ETAU AXIALE / *AXIALE SCHWEISS-GRIPZANGE* / PINZE ASSIALI / *ALICATE PRESSÃO AXIAL* / АКСИАЛЬНЫЕ КЛЕЩИ



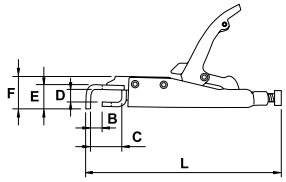
COD.	Tipo / *Type* / Type	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	g	
56180	W	200	70	56	53	40	12	18	14	14	550	1

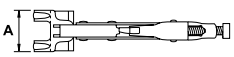


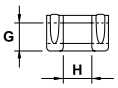


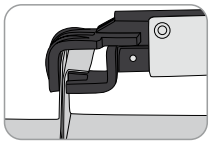
COD.	Tipo / *Type* / Type	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	g	
56181	JJ	212	46	13	49	17	26	37	31	20	550	1





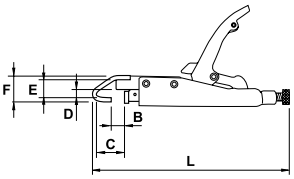


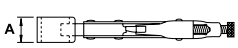




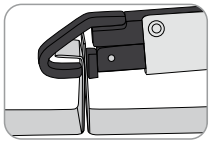
COD.	Tipo / *Type* / Type	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	g	
56182	LL	212	46	13	34	14	26	37	21	21	550	1





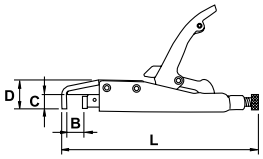


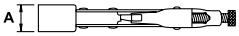




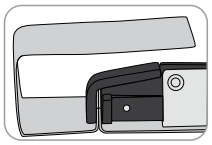
COD.	Tipo / *Type* / Type	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	g	
56183	J	212	25	14	31	9	19	31	24	25	550	1











COD.	Tipo / *Type* / Type	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g	
56184	L	196	25	14	13	30	13	25	550	1





4

EXTRACTORES
GEAR PULLERS
EXTRACTEURS
ABZIEHERS
ESTRATTORI
EXTRACTORES
СЪЕМНИКИ



4 EXTRACTORES *GEAR PULLERS* EXTRACTEURS

El factor más importante a la hora de elegir un extractor es su calidad. La dureza y la durabilidad son factores particularmente importantes. EGA Master produce sus extractores en acero forjado de gran resistencia y bajo estrictos tests mecánicos, consiguiendo un producto que excede los requerimientos de los estándares internacionales más exigentes. El tornillo está hecho de acero laminado en frío y, por lo tanto, es más resistente al estrés.

Una vez que la seguridad está asegurada, es importante hacer uso de la herramienta exacta. EGA Master ofrece una amplia gama de extractores que asegura la disponibilidad de la herramienta precisa para cada trabajo: externos, internos, de 3 y 2 garras, cortos, estándar, de alcance largo o muy largo; y una gran variedad de diferenciales.

When it comes to picking a good gear puller, the most important factor is good quality. Strength and durability are extremely important. EGA Master produces its gear puller range with high performance drop forged steel, under strict mechanical tests, exceeding the requirements of the most demanding international standards. The drive screw is made out of cold rolled steel, so it is much more tolerant to stress.

Once safety is preserved, the other important task is getting the exact precise tool. EGA Master offers a very wide range that assures having the proper tool in each application: external, internal, 3 jaws, 2 jaws, short, standard, long or extra long reach, with all variety of spreads.

Le facteur le plus important pour choisir un extracteur est sa qualité. La dureté et la durabilité sont des facteurs particulièrement importants. EGA Master fabrique ses extracteurs en acier forgé d'une grande résistance, en suivants des tests mécaniques strictes, en obtenant un produit qui dépasse les demandes des standards internationaux les plus exigeantes. La vis est faite en acier laminé à froid, et par conséquent elle est plus résistante aux chocs.

Pour assurer la sécurité, il est important de faire usage de l'outil adéquat. EGA Master offre une grande gamme d'extracteurs qui permettent d'avoir l'outil nécessaire à chaque travail: externes, internes, 3 griffes, 2 griffe, courts, standards, de longue ou très longue portée, et une grande variété des différentiels.

	Corto *Short* **Courts**	**Estándar** *Standard* **Standard**	**Largo** *Long* **Longue**	**Extra largo** *Extralong* **Extra-longue**	**Externo** *External* **Externe**	**Interno** *Internal* **Interne**
2 Garras / *2 Jaw* / 2 Becs		●	●		●	●
3 Garras / 3 Jaw / 3 Becs		●	●		●	●
3 Garras reversible / 3 Jaw reversible / 3 Bras articules	●	●	●	●	●	●
Universal / Universal /Universel		●	●		●	●

1 Largo interno
Long internal
Long interne



2 Largo externo
Long external
Long externe



3 Corto interno
Short internal
Court interne



4 Corto externo
Short external
Court externe



5 Extra corto interno
Extra short internal
Extra court interne



6 Extra corto externo
Standard external
Extra court externe



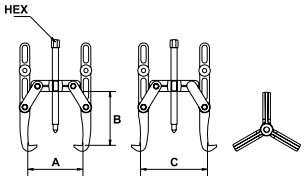
7 Extra largo interno
Extra long internal
Extra long interne



8 Extra largo externo
Extra long external
Extra long externe



EXTRACTOR 3 GARRAS ARTICULADAS 2 POSICIONES / *3 JAW GEAR PULLER 2 POSITION* / EXTRACTEUR 3 BRAS ARTICULÉS 2 POSITIONS / *AUSSEN-INNENABZIEHER 3 KLAUEN 2 POSITIONEN* / ESTRATTORE A 3 BRACCIA 2 POSIZIONI / *EXTRACTOR DE 3 GARRAS ARTICULADAS 2 POSIÇÕES* / СЪЕМНИК С 3-МЯ ЛАПАМИ И 2-МЯ ПОЗИЦИЯМИ

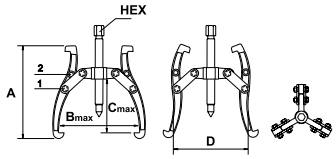


COD.	O.D. inch	mm	A (mm)	B (mm)	C (mm)	Max. Tn*	Kg	
62576	4	14	20-120	110	60-150	2,5	0,7	
62577	6	17	20-165	150	60-200	3,5	1,1	
62578	9	19	36-230	210	90-280	7	2,7	1
62579	12	24	50-320	250	115-350	10	5,5	
62580	16		80-420	350	125-420	12	8,0	



*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction

EXTRACTOR 3 GARRAS ARTICULADAS REVERSIBLES 2 POSICIONES / *3 JAW REVERSIBLE GEAR PULLER 2 POSITION* / EXTRACTEUR 3 BRAS ARTICULES RÉVERSIBLES 2 POSITIONS / *AUSSENABZIEHER 3 KLAUEN 2 POSITIONEN* / ESTRATTORE A 3 BRACCI REVERSIBILI 2 POSIZIONI / *EXTRACTOR DE 3 GARRAS ARTICULADO REVERSIVEL 2 POSIÇÕES* / СЪЕМНИК С 3-МЯ ЛАПАМИ РЕВЕРСИВНЫЙ 2-МЯ ПОЗИЦИЯМИ

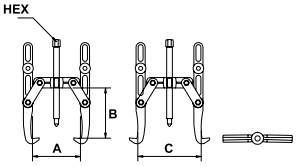


COD.	O.D. inch	mm	A (mm)	B (mm) max. (1)	B (mm) max. (2)	C (mm) max. (1)	C (mm) max. (2)	D (mm) max. (1)	D (mm) max. (2)	Max. Tn*	Kg	
62572	3	12	102	15	80	56	7	40-92	-	1,5	0,4	
62573	6	17	184	25	160	94	123	60-180	60-202	5	1,1	1
62574	8	21	236	30	210	125,5	162,5	76-235	76-350	7	2,2	
62575	12	28	340	50	317	179	228	102-350	102-380	10	6,5	



*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction

EXTRACTOR 2 GARRAS ARTICULADAS 2 POSICIONES / *2 JAW GEAR PULLER 2 POSITION* / EXTRACTEUR 2 BRAS ARTICULES 2 POSITIONS / *AUSSEN-INNENABZIEHER 2 KLAUEN* / ESTRATTORE ARTICULATE A 2 BRACCIA 2 POSIZIONI / *EXTRACTOR DE 2 GARRAS ARTICULADAS 2 POSIÇÕES* / СЪЕМНИК С 2-МЯ ЛАПАМИ И 2-МЯ ПОЗИЦИЯМИ

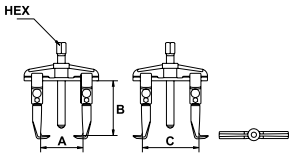


COD.	O.D. inch	mm	A (mm)	B (mm)	C (mm)	Max. Tn*	Kg	
62581	4	14	20-120	110	60-150	3,5	0,5	
62582	6	15	20-165	150	60-200	5	0,8	
62583	9	17	36-230	210	90-280	7	2,0	1
62584	12		50-320	250	115-350	10	4,0	
62585	16	26	80-420	350	125-420		5,8	



*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction

EXTRACTOR 2 GARRAS UNIVERSAL / *UNIVERSAL 2 JAW GEAR PULLER* / EXTRACTEUR DEUX BRAS UNIVERSEL / *UNIVERSELLE AUSZIEHER 2 KLAUEN* / ESTRATTORE UNIVERSALE A 2 BRACCIA / *EXTRACTOR DE DUAS GARRAS UNIVERSAL* / УНИВЕРСАЛЬНЫЙ СЪЕМНИК С 2-МЯ ЛАПАМИ

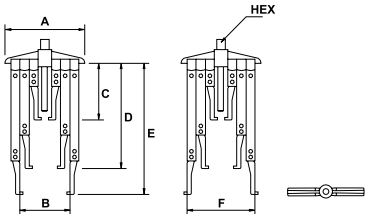


COD.	O.D. inch	mm	A (mm)	B (mm)	C (mm)	Max. Tn*	Kg	
62586	3	17	25-80	100	70-130	2,5	1,0	1
62587	5		25-130		80-180	4,5	1,2	
62588	6	23	50-160	150	105-220		2,7	
62589	7	25	60-200		120-270	6	3,1	
62590	9	27	80-250	200	160-330	7	6,5	

*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction



EXTRACTOR 6 GARRAS UNIVERSAL / *UNIVERSAL 6 JAW GEAR PULLER* / EXTRACTEUR 6 BRAS UNIVERSEL / *UNIVERSELLE AUSZIEHER 6 KLAUEN* / ESTRATTORE UNIVERSALE A 6 BRACCIA / *EXTRACTOR DE 6 GARRAS UNIVERSAL* / УНИВЕРСАЛЬНЫЙ СЪЕМНИК С 6-МЯ ЛАПАМИ

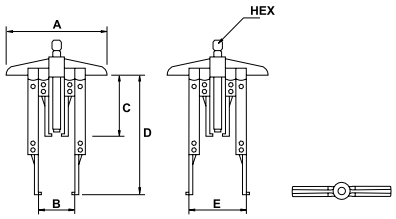


COD.	O.D. inch	mm	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Max. Tn*	Kg	
62801	5	17	175	30-130	100	200	250	80-180	3,5	3	1

*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction



EXTRACTOR 4 GARRAS UNIVERSAL / *UNIVERSAL 4 JAW GEAR PULLER* / EXTRACTEUR 4 BRAS UNIVERSEL / *UNIVERSELLE AUSZIEHER 4 KLAUEN* / ESTRATTORE UNIVERSALE A 4 BRACCIA / *EXTRACTOR DE 4 GARRAS UNIVERSAL* / УНИВЕРСАЛЬНЫЙ СЪЕМНИК С 4-МЯ ЛАПАМИ

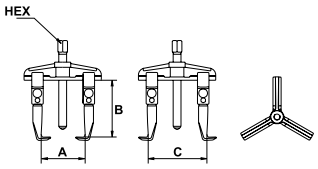


COD.	O.D. inch	mm	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Max. Tn*	Kg	
62802	7	22	260	45-210	155	305	120-270	2,5	5,6	1

*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction



EXTRACTOR 3 GARRAS UNIVERSAL / *UNIVERSAL 3 JAW GEAR PULLER* / EXTRACTEUR 3 BRAS UNIVERSEL / *UNIVERSELLE AUSZIEHER 3 KLAUEN* / ESTRATTORE UNIVERSALE A 3 BRACCIA / *EXTRACTOR DE 3 GARRAS UNIVERSAL* / УНИВЕРСАЛЬНЫЙ СЪЕМНИК С 3-МЯ ЛАПАМИ

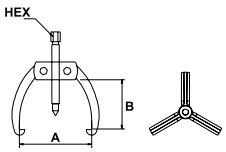


COD.	O.D. inch	mm	A (mm)	B (mm)	C (mm)	Max. Tn*	Kg	
62828	5	17	25-130	100	80-180	4	1,5	1
62829	8	22	60-200	150	120-270	6	4,0	

*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction



EXTRACTOR 3 GARRAS / *3 JAW GEAR PULLER* / EXTRACTEUR 3 BRAS / *AUSZIEHER 3 KLAUEN* / ESTRATTORE A 3 BRACCIA / *EXTRACTOR DE 3 GARRAS* / СЪЕМНИК С 3-МЯ ЛАПАМИ

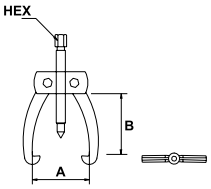


COD.	O.D. inch	mm	A (mm)	B (mm)	Max. Tn*	Kg	
62816	4	14	20-110	110	3	1,3	1
62817	6	19	25-160	140	5	2,6	

*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction



EXTRACTOR 2 GARRAS / *2 JAW GEAR PULLER* / EXTRACTEUR 2 BRAS / *AUSZIEHER 2 KLAUEN* / ESTRATTORE A 2 BRACCIA / *EXTRACTOR DE DUAS GARRAS* / СЪЕМНИК С 2-МЯ ЛАПАМИ

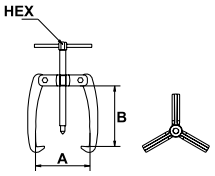


COD.	O.D. inch	mm	A (mm)	B (mm)	Max. Tn*	Kg	
62818	4	14	20-110	110	2	1,0	1
62819	6	19	25-160	140	4	2,0	

*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction



EXTRACTOR 3 GARRAS LIGERO / *3 JAW LIGHT GEAR PULLER* / EXTRACTEURS 3 BRAS LÉGER / *AUSZIEHER 3 KLAUEN* / ESTRATTORE A 3 BRACCIA LEGA LEGGERA / *EXTRACTOR DE TRÊS GARRAS LIGEIRO* / СЪЕМНИК С 3-МЯ ЛАПАМИ ОБЛЕГЧЕННЫЙ

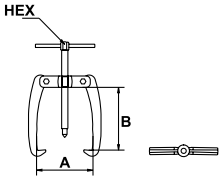


COD.	O.D. inch	mm	A (mm)	B (mm)	Max. Tn*	Kg	
62821	2	12	15-60	50	1,5	0,2	1
62822	2.3/4		15-70	70		0,3	
62823	3.1/4		15-80	80			

*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction



EXTRACTOR 2 GARRAS LIGERO / *2 JAW LIGHT GEAR PULLER* / EXTRACTEURS 2 BRAS LÉGER / *AUSZIEHER 2 KLAUEN* / ESTRATTORE A 2 BRACCIA LEGA LEGGERA / *EXTRACTOR DE DUAS GARRAS LIGEIRO* / СЪЕМНИК С 2-МЯ ЛАПАМИ ОБЛЕГЧЕННЫЙ

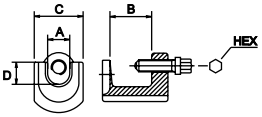


COD.	O.D. inch	mm	A (mm)	B (mm)	Max. Tn*	Kg	
62824	2	12	15-60	50	1	0,2	1
62825	2.3/4		15-70	70		0,3	
62826	3.1/4		15-80	80			

*Máxima fuerza de extracción / *Maximum pulling force* / Force maximale d'extraction

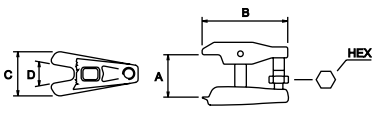


EXTRACTOR DE RÓTULAS / *BALL JOINT PULLER* / EXTRACTEUR DE ROULEMENTS / *KUGELGELENKABZIEHER* / ESTRATTORE A SFERE / *EXTRACTOR DE RÓTULAS* / СЪЕМНИК



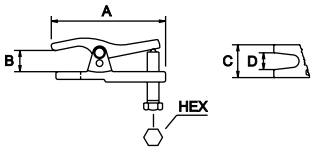
COD.	mm	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
62831	18	19	55	44	21	0,8	1





COD.	mm	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
62832	19	50	100	56	18-22	0,7	1

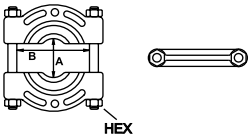




COD.	mm	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
62833	24	160	12-50	47	20	1,2	1
62834	17		60-80			1,5	



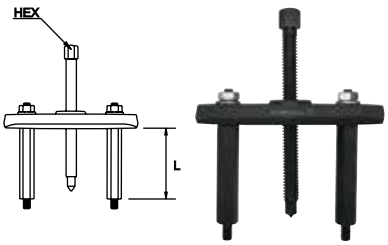
GUILLOTINA PARA RODAMIENTOS Y POLEAS / *BEARING SEPARATOR* / GUILLOTINE POUR ROULEMENTS ET POULIES / *TRENNVORRICHTUNG FÜR KUGELGELENKE* / SEPARATORE DI CUSCINETTI E PULEGGE / *GUILHOTINA PARA ROLAMENTOS E POLIS* / СЕПАРАТОР ПОДШИПНИКОВ



COD.	mm	O.D. inch	A (mm)	B (mm)	Kg	
62836	17	2	30-50	61	0,65	1
62837	19	3	50-75	92	1,5	
62838	24	4	75-105	110	1,7	

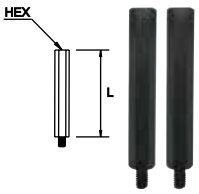


EXTRACTORES PARA GUILLOTINAS / *PULLERS FOR BEARING SEPARATOR* / EXTRACTEURS POUR GUILLOTINES / *AUSZIEHER FÜR TRENNVORRICHTUNG* / ESTRATTORI DA TAGLIO / *EXTRACTOR PARA GUILHOTINAS* / СЪМНИК ДЛЯ СЕПАРАТОРА



COD.	Válido para / *Valid for* / Valable pour	L (mm)	mm	Kg	
62840	62836	75	14	0,9	1
62841	62837	100	17	1,0	
62842	62838	220	19	3,0	

PROLONGACIONES PARA EXTRACTORES PARA GUILLOTINAS / *EXTENSIONS FOR BEARING SEPARATOR PULLERS* / PROLONGATEURS POUR EXTRACTEURS PAR GUILLOTINE / *VELÄNGERUNGEN FÜR AUSZIEHER FÜR TRENNVORRICHTUNG* / PROLUNGA PER ESTRATTORE PER GHIGLIOTTINA / *PROLONGADORES PARA EXTRACTORES PARA GUILHOTINAS* / УДЛИНИТЕЛЬ ДЛЯ СЕПАРАТОРА ПОДШИПНИКОВ



COD.	Válido para / *Valid for* / Valable pour	L (mm)	mm	Kg	
62844	62836	90	14	0,2	12
62845	62837	115	17	0,4	
62846	62838	220	19	0,5	6

SET EXTRACTOR DE GUILLOTINAS / *SET OF BEARING SEPARATORS* / SET EXTRACTEUR DE GUILLOTINE / *SATZ ABZIEHER FÜR LAGER* / KIT DI ESTRATTORE PER GHIGLIOTTINE / *KIT EXTRACTOR DE GUILHOTINAS* / НАБОР СЪЕМНИКОВ ДЛЯ ПОДШИПНИКОВ

COD.	O.D. inch	Kg
62883	2-3	5,6



PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

NEWMONT
MINERÍA / MINING / MINIÈRE
MÉXICO / MEXICO / MEXIQUE







5

DESTORNILLADORES
SCREWDRIVERS
TOURNEVIS
SCHRAUBENZIEHER
CACCIAVITI
CHAVES DE FENDA
ОТВЕРТКИ

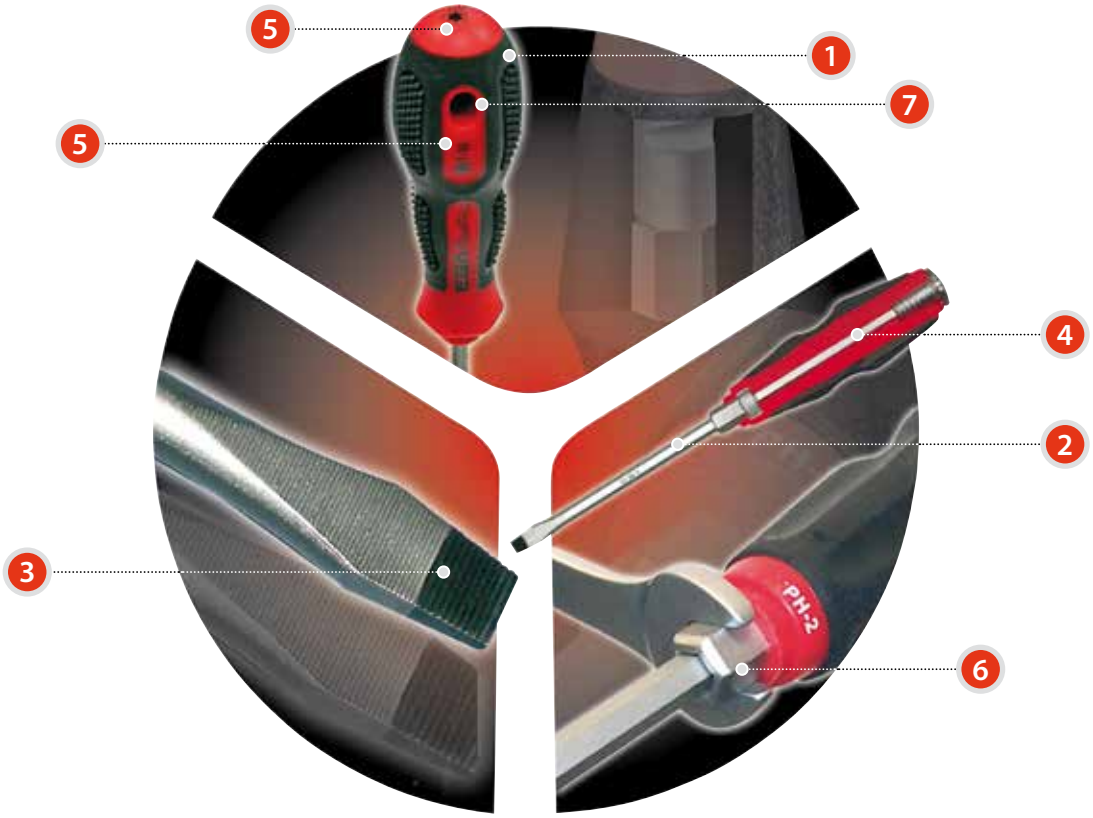




Medalla
Salón Internacional de la Invención
París 2007

Medal
International Inventors Competition
Paris 2007

Medaille
Salon International de l'Invention
Paris 2007





1
Equipados con mangos ergonómicos y antideslizantes más amplios, ofrecen un agarre superior evitando deslizamientos.

Oversized ergonomic & anti-slippery handles offer optimal grip for avoiding slipage.

Pourvus de manches ergonomiques et anti-dérapants plus volumineux.

2
Su varilla exclusiva de aleación cromo-molibdeno-vanadio permite apretes un 30 % superiores a los destornilladores estándar.

Its exclusive chrome-molybdenum-vanadium alloy enables 30% higher tightening torque than traditional screwdrivers.

Sa lame "exclusivité" en alliage chrome molybdène vanadium, permet un serrage supérieur de 30% par rapport aux modèles standards.

3
Su innovador sistema de punta antideslizante y magnética facilita el posicionamiento y evita deslizamientos imprevistos.

The innovative "non-slip" anti-slippery and magnetic tip system allows an easier and safer positioning of the screwdriver, avoiding undesired slides.

Son système innovateur de tête anti-dérapante et magnétique, facilite le positionnement et fait éviter les dérapages.

4
Varilla pasante para el modelo Masterpunch, permite el golpeo en su parte superior.

Go-through bar enables hammering on the Masterpunch screwdriver's upper side.

Tige traversante pour le modèle Masterpunch, qui permet de frapper sur la partie superieure.

5
El marcaje doble vertical y frontal de tipo y tamaño facilita la identificación rápida del destornillador que necesitamos emplear.

Type and size double marking of easy and efficient identification of the screwdriver to be used.

Le double marquage de type et de dimension facilite l'identification de l'outil recherché.

6
Modelos equipados con varilla hexagonal para apretes con llaves.

Hexagonal bar screwdrivers available for strong tightening with wrenches.

Modèles pourvus de lames hexagonales pour le serrage avec une clé.

7
El agujero del mango permite apalancar.

Go-through hole in the handle enables tommy bar using.

Le trou sur le manche permet de serrer á l'aide d'une barre.

8
Patentado.
Patented.
Breveté.

EGA

MASTERTORK



Sistema de punta antideslizante **NON-SLIP** y magnética / *NON-SLIP antislippery magnetic tip* / **NON-SLIP** pointe brunie antidérapante et magnetique / *NON-SLIP Anti-Rutsch-Spitze*
Punta antiscivolo **NON-SLIP** / *Sistema de ponta antideslizante de chave NON-SLIP* / Нескользящий магнитный наконечник

ÚTIL DE COMPROBACIÓN DE PAR DE DESTORNILLADORES RANURADOS / *SLOTTED SCREDRIVER TORQUE POWER TESTING TOOL* / OUTIL DE VÉRIFICATION DE COUPLE DE TOURNEVIS AVEC RAINURE / *SCHLITZSCHRAUBENDREHER DREHMOMENT LEISTUNGSTESTER* / TEST CACCIAVITI / *COMPROVADOR DE PAR PARA CHAVES DE FENDA* / ТЕСТЕР КРУТЯЩЕГО МОМЕНТА ДЛЯ ПЛОСКИХ ОТВЕРТОК

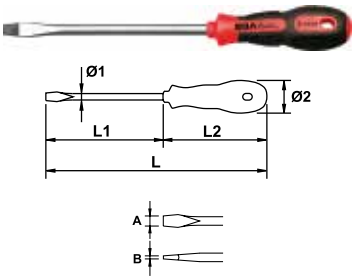
COD.	L (mm)
64766	140



MECÁNICO / *SLOTTED* / MECANICIEN / *FÜR SCHLITZSCHRAUBEN* / PER MECCANICI / *MECÂNICO* / ПЛОСКАЯ

MM

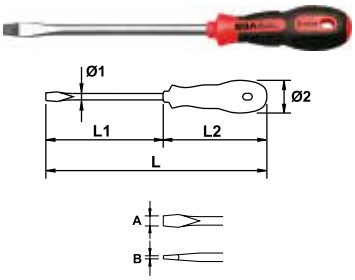
COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66400	3	0,5	3	26	165	80	85	16		●
66399	3,5	0,6	3,5		185	100				
66401	4	0,8	4							
66402	5,5	1	5	34	205	125	105	8		
66403					230					
66404	6,5	1,2	6	36	240	125	115		●	
66405					265	150				
66406	8		7	40	280		130	6		-
66407										
66448	9,5	1,6	8		330	200				
66408	10									
66409	12	2	10		380	250			-	
66449	13	2,5								
66410	14									



DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55330	1/8	0,02	3	26	165	3	85	16	
55331	5/32	0,032	4		185	4			
55328	3/16	0,04	5						
55332	7/32			34	205		105	8	
55333					230	5			
55334	1/4	0,046	6	36	240		115		●
55335					265	6			
55336	5/16		7	40	280		130	6	
55337									
55338	3/8	0,063	8		330	8			
55339	25/64								
55329	7/16	0,08	10		380	10			-
55340	15/32								
55341	1/2	0,098							



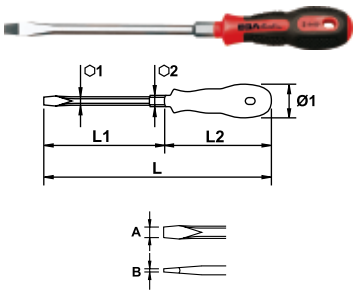
DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

EGA

MM

COD.	A (mm)	B (mm)	HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66413	4	0,8	4	-	26	185	100	85	16	
66414	5,5	1	5		34	230	125	105	8	
66415	6,5	1,2	6	11	36	240		115	6	●
66416	8		8		40	280	150	130		
66417	10	1,6				330	200			
66418	12	2	10	16		380	250			-
66419	14	2,5								



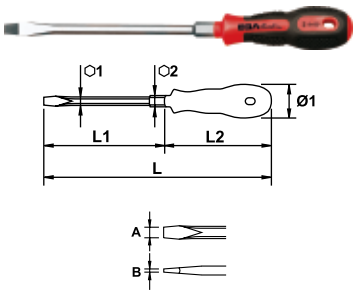
DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

INCH

COD.	A (inch)	B (inch)	HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55344	5/32	0,032	4	-	26	185	4	85	16	
55345	7/32	0,04	5		34	230	5	105	8	
55346	1/4	0,046	6	11	36	240		115	6	●
55347	5/16		8		40	280	6	130		
55348	25/64	0,063				330	8			
55349	15/32	0,08	10	16		380	10			-



DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

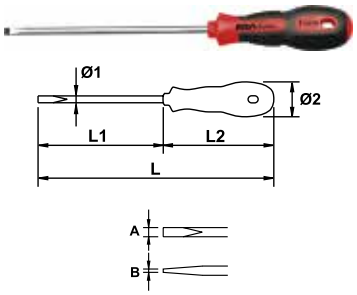
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM

COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66420	2,5	0,4	2,5	26	160	75	85	16		
66421	3	0,5	3		145	60				
66422					185	100				
67226					285	200				
66428	3,5	0,6	3,5		185	100				
66423	4	0,8	4	34	230	125	105	8	●	
66424					255	150				
66411					405	300				
66425	5,5	1	5,5		255	150				
66412					405	300				
66426	6,5	1,2	6,5	36	265	150	115	6		-
67259					315	200				
66427	8		8	40	305	175	130			



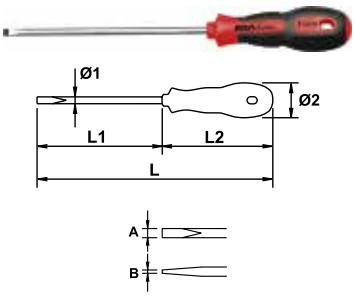
DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EGA

INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)			
55352	3/32	0,016	2,5	26	160	3	85	16		
55354	1/8	0,02	3		185	4				
55355	5/32	0,032	4	34	230	5	105	8	•	-
55356					255	6				
55357					405	12				
55358	7/32	0,04	5,5		255	6				
55359					405	12				
55360	1/4	0,046	6,5	36	265	6	115	6		-
55361	5/16		8	40	305	7	130			

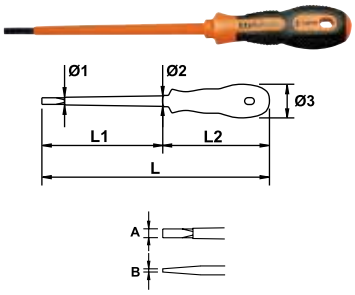


DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

1000V

MM

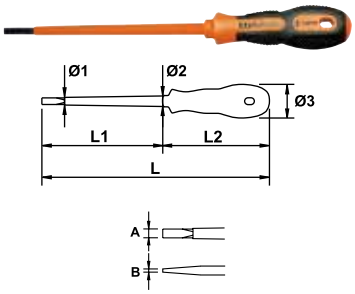
COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76620	2,5	0,4	4,4	6,1	26	160	75	85	16		
76621	3	0,5				185	100				
76734	3,5	0,6									
76622	4	0,8	5,4	7	34	230	125	105	8	•	
76623	5,5	1	6,4	8,8							
76624						255	150				
76625	6,5	1,2	8,4	11	36	265		115	6	-	-
76626	8		9,4	12,3	40	305	175	130			
76627	10	1,6	11,4	15		330	200				



1000 V | DIN ISO 2380 | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

INCH

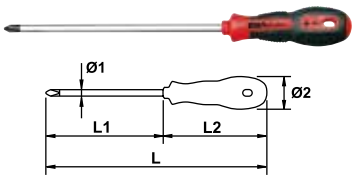
COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)			
75063	3/32	0,016	4,4	6,1	26	160	3	85	16		
75064	1/8	0,02				185	4				
75065	5/32	0,032	5,4	7	34	230	5	105	8	•	-
75066	7/32	0,04	6,4	8,8							
75067						255	6				
75068	1/4	0,046	8,4	11	36	265		115	6		
75069	5/16		9,4	12,3	40	305	7	130			
75081	25/64	0,063	11,4	15		330	8				



1000 V | DIN ISO 2380 | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

PHILLIPS®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66438	PH-0	3	26	145	60	85	16		
67562				200	200				
66439	PH-1	5	34	205	100	105	8	•	
66437				405	300				
66440	PH-2	6	36	240	125	115	6		
66443				415	300				
66441	PH-3	8	40	280	150	130		-	-
66442	PH-4	10		330	200				

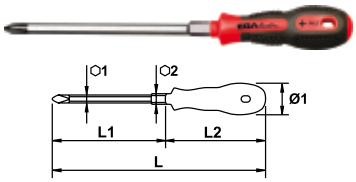


DIN ISO 8764 | Modelo registrado / *Registered model* / Modèle enregistré

• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS® (Marque enregistrée par Phillips Screw Company)

EGA

COD.		HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66444	PH-1	5	8	34	205	100	105	8		
66445	PH-2	6	11	36	240	125	115	6	•	-
66446	PH-3	8		40	280	150	130			
66447	PH-4	10	16		330	200				



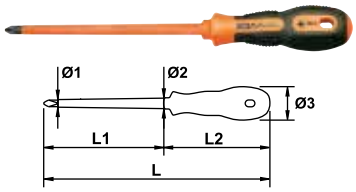
DIN ISO 8764 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

1000V

COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76628	PH-0	4,4	5	26	145	60	85	16		
76738	PH-1	6,4	7,6	34	185	80	105	8	•	
76629					205	100				
76630	PH-2	7,4	9,6	36	240	125	115	6		-
76631	PH-3	9,4	12,3	40	280	150	130			
76632	PH-4				330	200				

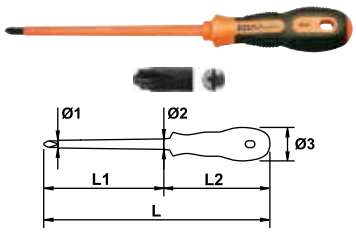


1000 V | DIN ISO 8764 | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

PLANO-PHILLIPS®* PARA BORNES ELÉCTRICOS / *SLOTTED-PHILLIPS®* FOR TERMINAL SCREWS* / PHILLIPS®*-À FENTE POUR BORNES ÉLECTRIQUES / *SCHLITZ-PHILLIPS®* SCHRAUBENDREHER FÜR SCHRAUBKLEMMEN* / TAGLIO-PHILLIPS®* PER TERMINALI ELETTRICI / *FENDA-PHILLIPS®* PARA BORNES ELÉCTRICOS* / ОТВЕРТКА КРЕСТОВАЯ КЛЕММНАЯ PH

1000V

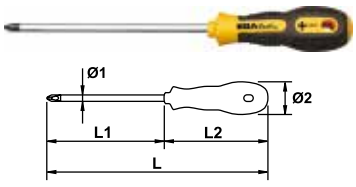
COD.			Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
79163	VDE	PH-1	6,4	7,6	34	205	100	105	8	•
79164		PH-2	7,4	9,6	36	240	125	115	6	



1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

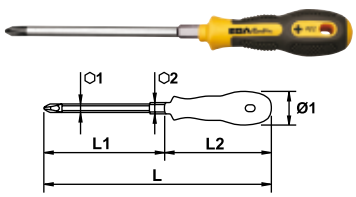
POZIDRIV®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66456	PZ-0	3	26	145	60	85	16		
66457	PZ-1	5	34	205	100	105	8	•	
66472				405	300				
66458	PZ-2	6	36	240	125	115	6		
66473				415	300				
66459	PZ-3	8	40	280	150	130		-	-
66460	PZ-4	10		330	200				



DIN ISO 8764 | Modelo registrado / *Registered model* / Modèle enregistré

COD.		HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66462	PZ-1	5	8	34	205	100	105	8	
66463	PZ-2	6	11	36	240	125	115	6	•
66464	PZ-3	8		40	278	150	128		
66465	PZ-4	10	16		328	200			



DIN ISO 8764 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

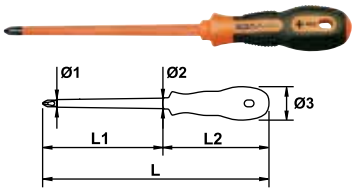
Hexagonal / *Hexagonal* / Hexagonale

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS® (Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

EGA

1000V

COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76633	PZ-0	4,4	5	26	145	60	85	16		●
76634	PZ-1	6,4	7,6	34	205	100	105	8		●
76635	PZ-2	7,4	9,6	36	240	125	115	6	●	-
76636	PZ-3	9,4	12,3	40	280	150	130	6	●	-
76637	PZ-4	9,4	12,3	40	330	200	130	6	●	-

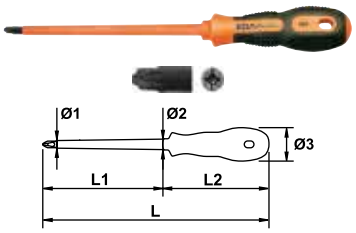


1000V | DIN ISO 8764 | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

PLANO-POZIDRIV®* PARA BORNES ELÉCTRICOS / *SLOTTED-POZIDRIV®* FOR TERMINAL SCREWS* / **POZIDRIV®* -À FENTE POUR BORNES ÉLECTRIQUES** / *SCHLITZ-POZIDRIV®* SCHRAUBENDREHER FÜR SCHRAUBKLEMMEN* / **TAGLIO-POZIDRIV®* PER TERMINALI ELETTRICI** / *FENDA-POZIDRIV®* PARA BORNES ELÉCTRICOS* / **ОТВЕРТКА КРЕСТОВАЯ КЛЕМНАЯ POZIDRIV®***

1000V

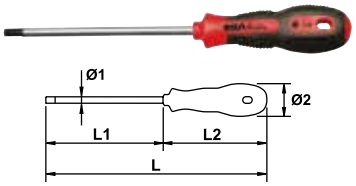
COD.			Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
79165	VDE	PZ-1	6,4	7,6	34	205	100	105	8	●
79166	VDE	PZ-2	7,4	9,6	36	240	125	115	6	●



1000V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

TORX®*

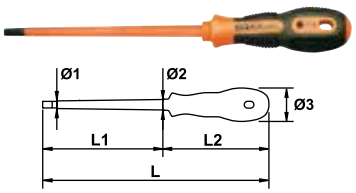
COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66474	T-6	3	26	135	50	85	16		
66475	T-7	3	26	135	50	85	16		
66476	T-8	3	26	135	50	85	16		●
66477	T-9	3	26	160	75	85	16		●
66478	T-10	3	26	160	75	85	16		●
66479	T-15	4	34	180	75	85	16	●	●
66480	T-20	4	34	205	100	105	8	●	●
66481	T-25	5	34	205	100	105	8	●	●
66482	T-27	5	34	220	115	105	8	●	●
66483	T-30	6	36	240	125	115	8	●	●
66484	T-40	7	40	255	125	115	8	●	●
66485	T-45	8	40	280	150	130	6	-	-
66486	T-50	10	40	305	175	130	6	-	-



Modelo registrado / *Registered model* / Modèle enregistré

1000V

COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76638	T-6	4,4	8	26	135	50	85	16		●
76639	T-7	4,4	8	26	135	50	85	16		●
76640	T-8	4,4	8	26	135	50	85	16		●
76641	T-9	4,4	5	26	160	75	85	16		●
76642	T-10	4,4	5	26	160	75	85	16		●
76643	T-15	5,8	8	34	180	75	85	16	●	●
76644	T-20	5,8	8	34	205	100	105	8	●	●
76645	T-25	6,4	8	34	205	100	105	8	●	●
76646	T-27	6,4	9,6	34	220	115	105	8	●	●
76647	T-30	7,4	9,6	36	240	125	115	8	●	●
76648	T-40	8,7	12,3	40	255	125	115	8	●	●
76649	T-45	9,4	12,3	40	280	150	128	6	●	-
76650	T-50	11,4	15	40	305	175	128	6	●	-



1000V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

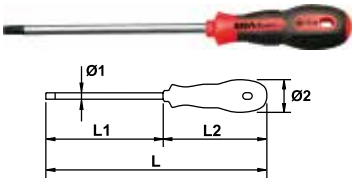
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

EGA

TAMPER TORX

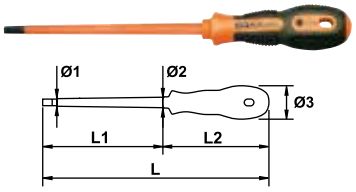
COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66487	TT-6	3	26	135	50	85	16		●
66488	TT-7								
66489	TT-8								
66490	TT-9								
66491	TT-10			160	75				
66492	TT-15	4						●	
66493	TT-20			185	100				
66494	TT-25	5	34	205		105	8		-
66495	TT-27			220	115				
66496	TT-30	6	36	240	125	115			
66497	TT-40	7	40	255		130	6	-	
66498	TT-45	8		280	150				
66499	TT-50	10		305	175				



Modelo registrado / *Registered model* / Modèle enregistré

1000V

COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
75037	TT-6	4,4	8	26	135	50	85	16	
75038	TT-7								
75039	TT-8								
75040	TT-9		5		160	75			
75041	TT-10								
75042	TT-15	5,8	8	34	180	100	105		●
75043	TT-20				205				
75044	TT-25	6,4							
75045	TT-27		9,6		220	115		8	
75046	TT-30	7,4		36	240	125	115		
75047	TT-40	8,7	12,3	40	255		128	6	
75048	TT-45	9,4			280	150			
75049	TT-50	11,4	15		305	175			

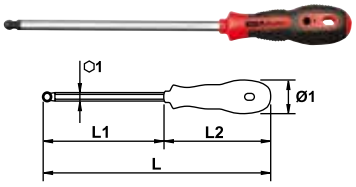


1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

PUNTA ESFERA / *BALL TIP* / TÊTE SPHÉRIQUE / *KUGELKOPF* / TESTA SFERICA / *PONTA ESFERICA* / С ШАРОВОЙ ГОЛОВКОЙ

MM

COD.	HEX 1 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66501	2,5	26	160	75	85	16	●	●
66502	3							
66503	4		185	100				●

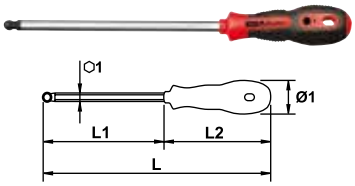


Modelo registrado / *Registered model* / Modèle enregistré

EGA

INCH

COD.	HEX 1 (inch)	Ø 1 (mm)	L (mm)	L1 (inch)	L2 (mm)			
55364	1/8	26	160	3	85	16	●	●
55365	5/32		185	4				
55362	13/64	34	205		105	8		
55368	5/16	40	280	6	130	6	-	-
55369	25/64							



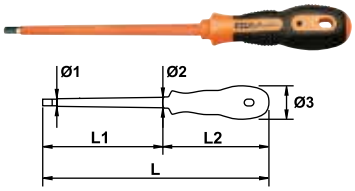
Modelo registrado / *Registered model* / Modèle enregistré

HEXAGONAL ALLEN

1000V

MM

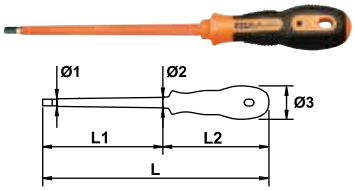
COD.	mm	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
74710	2,5	4,4	6	26	160	75	85	16	●
74711	3								
74712	4	5,8	8		185	100		8	
74713	5	6,4		34	205		105		
74714	6	7,8	11,2		230	125		6	
74715	8	9,8	13,4	40	280	150	130		-



1000 V | ICE 60900 | Modelo registrado / *Registered model* / Modèle enregistré

INCH

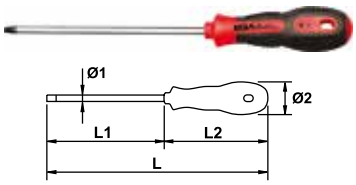
COD.	inch	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)		
75083	1/8	4,4	6	26	160	3	85	16	●
75084	5/32	5,8	8		185	4		8	
75131	13/64	6,4		34	205		105		
75097	5/16	9,8	13,4	40	280	6	130	6	-



1000 V | ICE 60900 | Modelo registrado / *Registered model* / Modèle enregistré

ROBERTSON

COD.		AF mm	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66530	1	2,4	4	26	185	100	85	16	●	●
66531	2	2,8	5	34	230	125	105	8		
66532	3	3,4	6	36	265	150	115	6		●



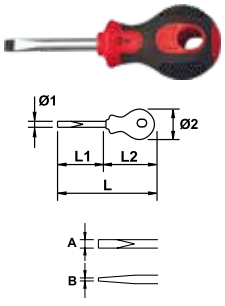
Modelo registrado / *Registered model* / Modèle enregistré

CARROCERO / *STUBBY* / TOM POUCE / *SCHRAUBENDREHER, KURZE FORM* / CACCIAVITI NANI / *COTOS* / КОРОТКАЯ

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM

COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66529	4	0,8	4	40	85	25	60	20	●
66525	5,5	1,2	5,5						
66538	6,5		6,5						



DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

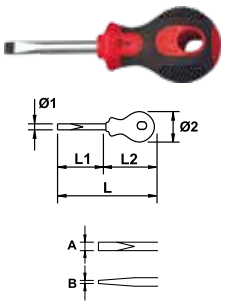
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ID 0910098046
to the Management Quality

EGA

INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55371	7/32	0,046	5,5	40	85	1	60	20	●

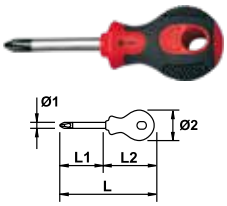
DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré



PHILLIPS®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
67192	PH-1	5	40	85	25	60	20	●
66526	PH-2	6						

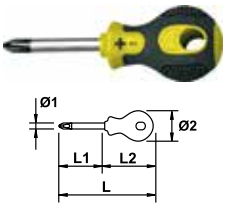
DIN ISO 8764 | Modelo registrado / *Registered model* / Modèle enregistré



POZIDRIV®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
67193	PZ-1	5	40	85	25	60	20	●
66527	PZ-2	6						

DIN ISO 8764 | Modelo registrado / *Registered model* / Modèle enregistré

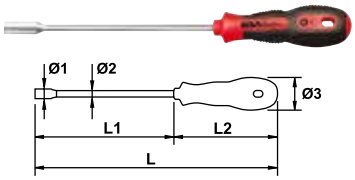


DE VASO / *SOCKET SCREWDRIVER* / CLÉ À DOUILLE EMMANCHÉE / *STECKSCHLÜSSEL* / BUSSOLE / *DE CAIXA* / ОТВЕРТКА С ГОЛОВКОЙ

MM

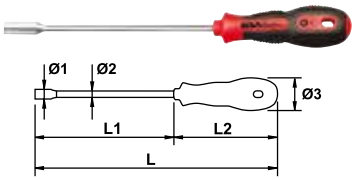
COD.	mm	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66510	4	8	5	34	255	150	105	8	
66511	5	8,5							
66512	5,5								
66513	6	10	6	36	275	160	115	8	
66509	6,5								
66514	7	11			290				
66515	8	14	8	40	305	175	130	6	●
66516	9								
66517	10	15							
66518	11	17	9						
66519	12								
66520	13	19							
66521	14	20							

Modelo registrado / *Registered model* / Modèle enregistré



INCH

COD.	inch	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55373	5/32	8	5	34	255	6	105	8	●
55374	3/16	8,5							
55375	7/32								
55376	1/4	10	6	36	275		115	6	



- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS® (Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

EGA

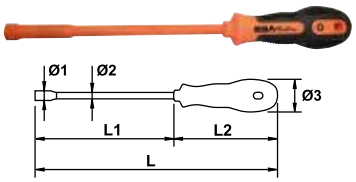
COD.	inch	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55378	5/16	14	8	40	305	7	130	6	●
55379	11/32		7						
55372	3/8		8						
55380	25/64	15							
55385	7/16	20	9						
55382	15/32	17							
55383	1/2	19	7						

Modelo registrado / *Registered model* / Modèle enregistré

1000V

MM

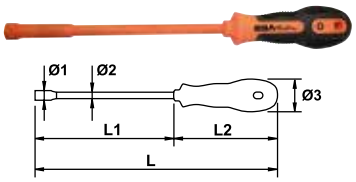
COD.	mm	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
74698	4	11	7,5	34	255	150	105	8	
74699	5								
74700	5,5								
74701	6	12,5	8,5	36	275	160	115		
74702	7				290				
74703	8	16	10,5	40	305	175	130	6	●
74704	9								
74705	10								
74706	11	19	11,5						
74707	12								
74708	13	21							
74709	14								



1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

INCH

COD.	inch	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)		
75132	5/32	11	7,5	34	255	6	105	8	
74984	3/16								
75133	7/32								
74985	1/4	12,5	8,5	36	275		115		
74986	5/16	16	10,5	40	305	7	130	6	●
74987	3/8								
75136	25/64								
74988	7/16	19	11,5						
75138	15/32								
74989	1/2	21							



1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

MM

COD.	mm		mm	mm		
74664	9	11	130	115	6	●
74665	10					



1000 V | IEC 60900

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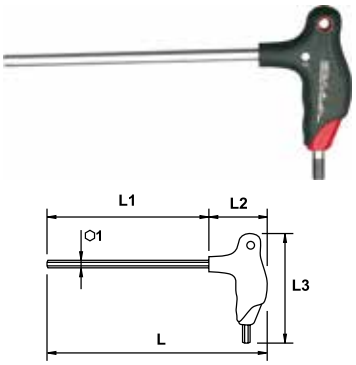
EGA

T - MASTERTORK

HEXAGONAL ALLEN

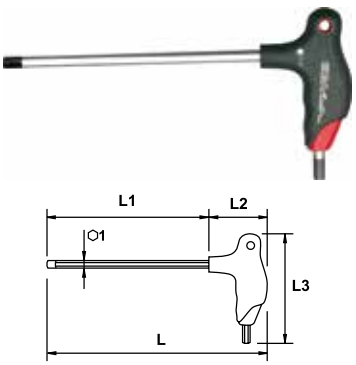
MM

COD.	mm	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)		
66571	2,5	165	125	40	75	16	•
66572	3						
66573	4						
66574	5	200	150	50	100	8	
66575	6						
66576	8	240	175	65	125	6	-
66577	10	265	200				



TORX®*

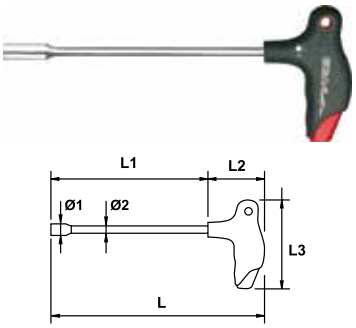
COD.		HEX 1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)		
66581	T-6	3	165	125	40	75	16	•
66582	T-7							
66583	T-8							
66584	T-9							
66585	T-10							
66586	T-15	3,5						
66587	T-20	4						
66588	T-25	4,5	200	150	50	100	8	
66589	T-27	5,5						
66590	T-30	6						
66591	T-40	7	240	175	65	125	6	-
66592	T-45	8						
66593	T-50	9						



DE VASO / *SOCKET SCREWDRIVER* / CLÉ À DOUILLE EMMANCHÉE / *STECKSCHLÜSSEL* / BUSSOLE / *DE CAIXA* / ОТВЕРТКА С ГОЛОВКОЙ

MM

COD.	mm	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)		
66596	5	8,5	5	200	150	50	80	8	•
66597	6	10	6	210	160				
66598	7	11		225	175				
66599	8	13	8	240		65	100	6	
66600	9	14							
66601	10	15							
66602	11	17	9						
66603	12								
66604	13	19							



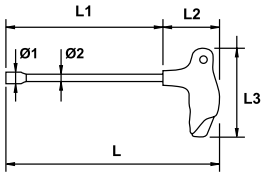
• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

EGA

INCH

COD.	inch	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)		
55397	5/16	13	8	240	7	65	100	6	●
55399	25/64	15							
55401	15/32	17	9						





MASTERPUNCH - ALL THROUGH



Sistema de punta antideslizante **NON-SLIP** y magnética / *NON-SLIP antislippery magnetic tip* / **NON-SLIP** pointe brunie antidérapante et magnetique / *NON-SLIP Anti-Rutsch-Spitze*
Punta antiscivolo **NON-SLIP** / *Sistema de ponta antideslizante de chave NON-SLIP* / Нескользящий магнитный наконечник



Varilla pasante, permite el golpeo en su parte superior / *Go-through bar enables hammering on the screwdriver's upper side* / Tige traversante permettant le frapper sur la partie supérieure du manche / *Vorstecker mit Schlagfesten Griff* / Cacciavite a lame passante a battere / *Chave de fenda - haste interna, permite pancada na sua parte superior* / Проходящий через ручку стержень позволяет наносить удары по верхней части отвертки

MECÁNICO / *SLOTTED* / MECANICIEN / *FÜR SCHLITZSCHRAUBEN* / PER MECCANICI / *MECÂNICO* / ПЛОСКАЯ

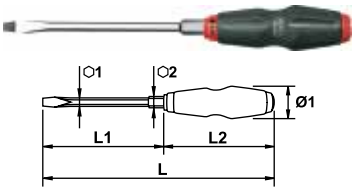
MM

COD.	A (mm)	B (mm)	HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66551	6,5	1,2	6	11	35	235	125	110	6	●
66552	8		8		39	270	150	120		
66553	10	1,6				295	175			

DIN ISO 2380

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale





INCH

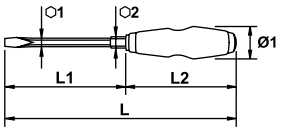
COD.	A (inch)	B (inch)	HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55405	5/16	0,046	8	11	39	270	6	120	6	●
55406	25/64	0,063				295	7			

DIN ISO 2380

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale







PHILLIPS®*

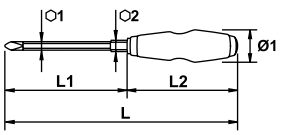
COD.		HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66559	PH-2	6	11	35	235	125	110	6	●
66560	PH-3	8		39	270	150	120		

DIN ISO 8764

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale





• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

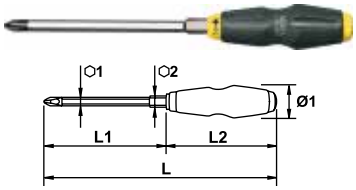
NATO OTAN Commercial and Government Entity (NCAGE) Code / Código B552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EGA

POZIDRIV®*

COD.		HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66565	PZ-2	6	11	35	235	125	110	6	●
66566	PZ-3	8		39	270	150	120		

DIN ISO 8764



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

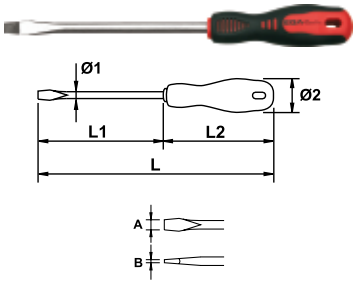
ROTORK

MECÁNICO / *SLOTTED* / MECANICIEN / *FÜR SCHLITZSCHRAUBEN* / PER MECCANICI / *MECÂNICO* / ПЛОСКАЯ

MM

COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66874	3	0,5	3	22	155	80	75	16		●
66875	4	0,8	4		175	100				
66876	5,5	1	5	31	205	125	105	8	●	-
66877					230					
66878	6,5	1,2	6		255	150				
66879										
66880	8		7		268	150	118			
66881					318	200				
66882	10	1,6	8	35				6		
67102	12	2	10		365	250	115			
67103	14	2,5								

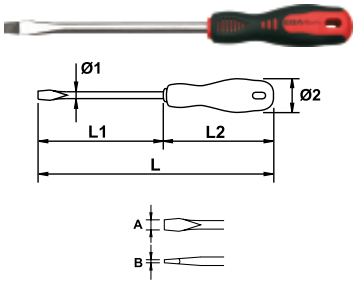
DIN ISO 2380



INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55409	5/32	0,032	4	22	175	4	75	16	
55410	7/32	0,04	5	31	205	5	105	8	●
55411					230				
55414	5/16	0,046	7	35	268	6	118		
55415					318	8			
55416	25/64	0,063	8					6	
55417	15/32	0,080	10		365	10	115		

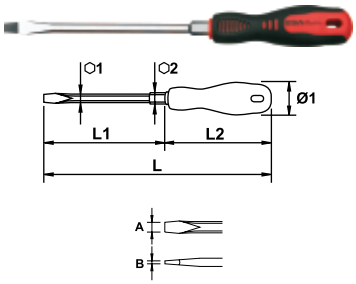
DIN ISO 2380



MM

COD.	A (mm)	B (mm)	HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)		
67104	4	0,8	4	-	22	175	100	75	16	
67105	5,5	1	5		31	230	125	105	8	
66883	6,5	1,2	6	11		240				
66884	8		8			265	150			●
66885	10	1,6		-	35	315	200	115	6	
67106	12	2	10			365	250			
67107	14	2,5								

DIN ISO 2380



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

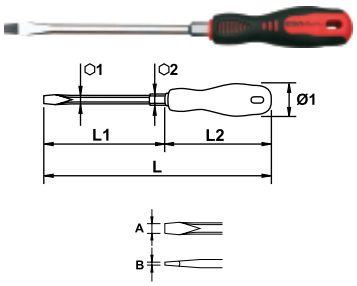
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Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EGA

INCH

COD.	A (inch)	B (inch)	HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55420	5/32	0,032	4	-	22	175	4	75	16	
55421	7/32	0,04	5		31	230	5	105	8	
55423	5/16	0,046	8	11	35	268	6	115	6	●
55424	25/64	0,063				318	8			
55425	15/32	0,08	10	-		368	10			



DIN ISO 2380

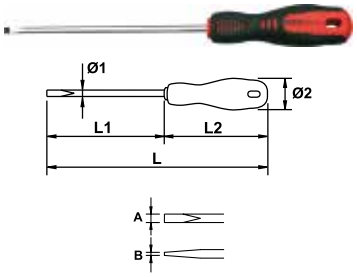
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM

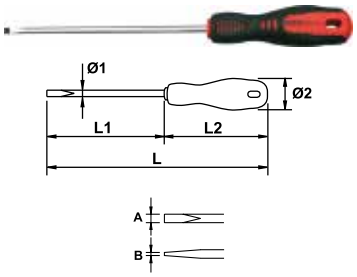
COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
67149	2,5	0,4	2,5	22	135	60	75	16		
66886	3		3							●
66887		0,5			175	100				
66888	4	0,8	4		200	125				
66890	5	1	5	31	255	150	105	8	●	
66891					305	200				
66892	6	1,2	6		255	150				
67108	8		8	35	290	175	115	6		-
67109	10	1,6	10		315	200				



DIN ISO 2380

INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)			
55428	3/32	0,016	2,5	22	135	2	75	16		
55431	5/32	0,032	4		200	5				
55432					225	6				
55433	3/16	0,04	5	31	255		105	8	●	-
55434					305	8				
55436	5/16	0,046	8	35	290	7	115	6		
55437	25/64	0,063	10		315	8				

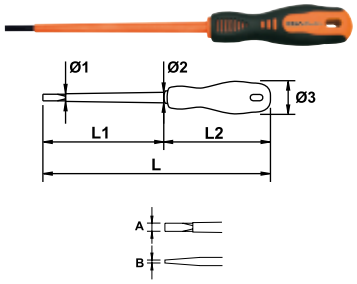


DIN ISO 2380

1000V

MM

COD.		A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76730	-	2,5	0,4	4,4	6,1	22	135	60	75	16		
76731		3										
76651			0,5				175	100				
76652		4	0,8	5,4	7	31	230	125	105	8	●	
76653		5,5	1	6,4	8,8		255	150				
76654		6,5	1,2	7,8	11							
76732		8		9,4	12,3	35	290	175	115	6		-
76733	-	10	1,6	11,4	15		315	200				
76125		12	2	13,5	16,5		318		118			



1000 V | DIN ISO 2380 | IEC 60900

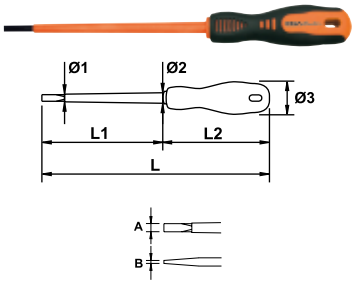
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EGA

INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)		
75172	3/32	0,016	4,4	6,1	22	135	2	75	16	•
75175	5/32	0,032	5,4	7	31	230	5	105		
75176	3/16	0,04	6,4	8,8		255	6		8	
75177	1/4	0,046	7,8	11					6	
75178	5/16		9,4	12,3	35	290	7	115		
75179	25/64	0,063	11,4	15		315	8			

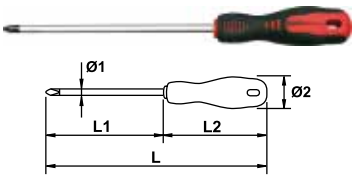
1000V | DIN ISO 2380 | IEC 60900



PHILLIPS®*

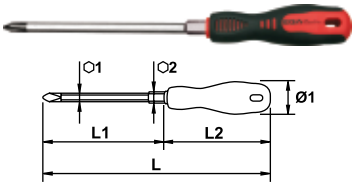
COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66897	PH-0	3	22	135	60	75	16	•	
66898	PH-1	4	31	205	100	105	8		-
66899	PH-2	5		230	125				
66900	PH-3	6	35	265	150	115	6		
67131	PH-4	10		315	200				-

DIN ISO 8764



COD.		HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)			
67053	PH-1	5	-	31	205	100	105	8	•	
66901	PH-2	6	11	35	243	125	118	6		-
66902	PH-3	8			268	150				
67054	PH-4				318	200				

DIN ISO 8764



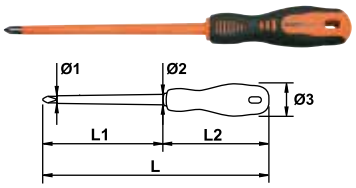
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

1000V

COD.			Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76655		PH-0	4,4	5	22	135	60	75	16	•	
76656	VDE	PH-1	6,4	8	31	205	100	105	8		
76657		PH-2	7,4	9,6		230	125				-
76658		PH-3	9,4	12,3	35	268	150	118	6		
76735	-	PH-4				318	200				

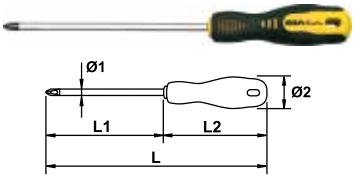
1000V | DIN ISO 8764 | IEC 60900



POZIDRIV®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66907	PZ-0	3	22	135	60	75	16	•	
66908	PZ-1	5	31	205	100	105	8		
66909	PZ-2	6		230	125				
66910	PZ-3	8	35	268	150	118	6		-
67064	PZ-4	10		318	200				

DIN ISO 8764

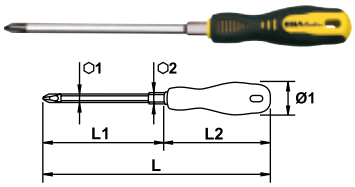


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EGA

COD.		HEX 1 (mm)	HEX 2 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)			
67167	PZ-1	5	-	35	215	100	115	8	•	
66911	PZ-2	6	11		240	125		6		
66912	PZ-3	8			265	150				-
67168	PZ-4				315	200				



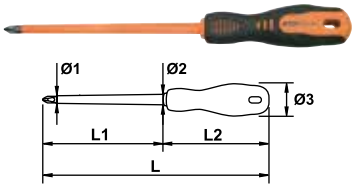
DIN ISO 8764

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

1000V

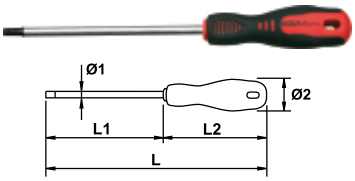
COD.			Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
76659	-	PZ-0	4,4	5	22	135	60	75	16	
76660		PZ-1	6,4	8	31	205	100	105	8	
76661		PZ-2	7,4	9,6		230	125			•
76662		PZ-3	9,4	12,3	35	268	150	118	6	
76736	-	PZ-4		12,5		318	200			



1000 V | DIN ISO 8764 | IEC 60900

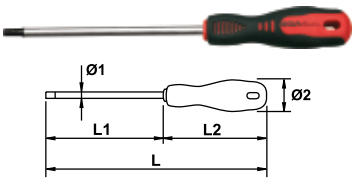
TORX®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66917	T-6	3	22	125	50	75	16		
66918	T-7								
66919	T-8								
66920	T-9	4		150	75				
66921	T-10								
66922	T-15								
66923	T-20	5		175	100			•	
66924	T-25			205					
66925	T-27	6	31	220	115	105	8		
66926	T-30	7		230	125				
66927	T-40			240					-
67183	T-45	8	35	265	150	115	6		
67184	T-50	10		290	175				



TAMPER TORX

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
65965	TT-6	3	22	125	50	75	16		
65966	TT-7								
65967	TT-8								
65968	TT-9	4		150	75				
65969	TT-10								
65972	TT-15								
65973	TT-20	5		175	100			•	
65974	TT-25			205					
65994	TT-27	6	31	220	115	105	8		
65995	TT-30	7		230	125				
65996	TT-40			240					
65997	TT-45	8	35	265	150	115	6		
65998	TT-50	10		290	175				



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- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

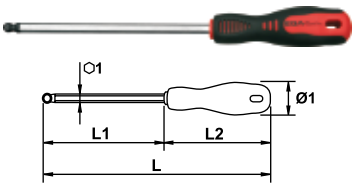
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EGA

PUNTA ESFERA / *BALL TIP* / TÊTE SPHÉRIQUE / *KUGELKOPF* / TESTA SFERICA / *PONTA ESFERICA* / С ШАРОВОЙ ГОЛОВКОЙ

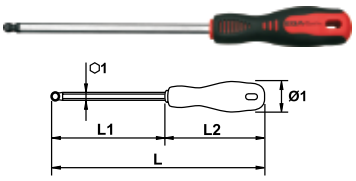
MM

COD.	HEX 1 (mm)	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66928	2,5	22	150	75	75	16		
66929	3							
66930	4		175	100				
66931	5	31	205		105	8	●	
66932	6		230	125				
66933	8	35	265	150	115	6		-
67090	10							



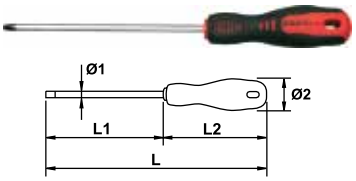
INCH

COD.	HEX 1 (inch)	Ø 1 (mm)	L (mm)	L1 (inch)	L2 (mm)			
55441	5/32	22	175	4	75	16		
55442	3/16	31	205		105	8	●	-
55444	5/16	35	268	6	115	6		
55445	25/64							



ROBERTSON

COD.		AF mm	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)			
66934	1	2,4	5	22	175	100	75	16		
66935	2	2,8		31	230	125	105	8	●	
66936	3	3,4	6		255	150		6		



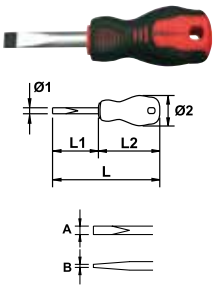
CARROCERO / *STUBBY* / TOM POUCE / *SCHRAUBENDREHER, KURZE FORM* / CACCIAVITI NANI / *COTOS* / КОРОТКАЯ

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM

COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66937	5,5	1,2	5,5	31	85	25	60	20	●

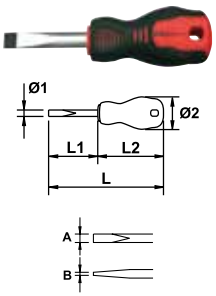
DIN ISO 2380



INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55447	7/32	0,046	5,5	31	85	1	60	20	●

DIN ISO 2380

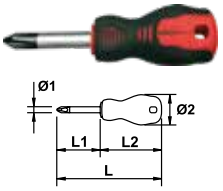


EGA

PHILLIPS®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
67190	PH-1	5	31	85	25	60	20	●
66938	PH-2	5,5						

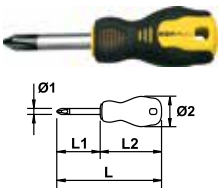
DIN ISO 8764



POZIDRIV®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
67191	PZ-1	5	31	85	25	60	20	●
66939	PZ-2	6						

DIN ISO 8764



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

PORTA-TORNILLOS MAGNÉTICOS / *MAGNETIC SCREWHOLDERS* / PORTE-TOURNEVIS MAGNÉTIQUE / *MAGNETISCHER SCHRAUBENHALTER* / PORTA INSERTI MAGNETICO / *PORTA PARAFUSO MAGNÉTIC* / МАГНИТНЫЙ ДЕРЖАТЕЛЬ ОТВЕРТКИ

COD.		O.D. mm	Válido para / *Valid for* / Valable pour	
66054		2-3	66420, 66421, 66422, 55352, 55354, 66438, 66456, 66474, 66475, 66476, 66477, 66478, 66488, 66489, 66490, 66491, 66501, 66502, 55364, 67149, 66886, 66887, 55428, 66897, 66907, 66917, 66918, 66919, 66928, 66929	●
66052		4-5	66400, 66401, 66423, 66424, 66411, 66439, 66437, 66479, 66480, 66481, 66482, 76620, 76621, 76628, 76638, 76639, 76640, 76641, 76642, 66457, 66472, 66530, 66531, 66503 66874, 66875, 66888, 66889, 66890, 66891, 76730, 76731, 76651, 66899, 66908, 67167, 76633, 66919, 66920, 66921, 66922, 66923, 66924, 66930, 66931, 66934, 66935	●
66053		5,5-6	66425, 66412, 55358, 55359, 75063, 75064, 76622, 66444, 66483, 66458, 66473, 66532, 66892, 76652, 67053, 76655	●
66049	*	5,5-6,15	66440, 66443, 76623, 76624, 76738, 76629, 76643, 76644, 66909, 66900, 66911, 66925, 66932, 66936, 76653, 76656, 76634	●



* : Válido para puntas de 50 mm de longitud / *Suitable for 50 mm length bits* / Valable pour les pointes de 50 mm de longueur



Para trabajar con tornillos férricos
To work with ferrous screws
Pour travailler avec des vis ferriques



Para trabajar con tornillos inox
To work with stainless steel screws
Pour travailler avec des vis Inox



Válido para puntas de 50 mm de longitud
Suitable for 50 mm length bits
Valable pour les pointes de 50 mm de longueur



Aguanta hasta 2 kg de peso
Supports up to 2 kg weight
Supporte jusqu'à un poids de 2 Kg

Para ver las puntas disponibles consultar en el capítulo de puntas de destornillador del catálogo general o en www.egamaster.com
To see the available bits check the bits chapter of general catalog or in www.egamaster.com
Pour voir les pointes disponibles merci de consulter le chapitre des pointes de tournevis du catalogue général ou sur www.egamaster.com

SET

COD.	PCS.	g
66047	4	45

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
4	66049, 66052, 66053, 66054	Porta-tornillos magnetico / *Magnetic screwholders* / Porte-tournevis magnétique



- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

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EGA

MICROTRONIC

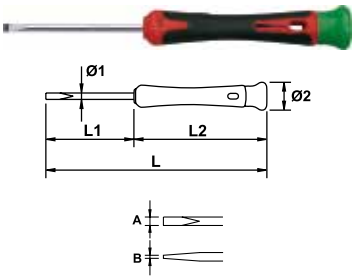


ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRONICA / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM

COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66846	2	0,4	3	21	145	50	95	10	●
66847									
66848	3	0,5			170	75			
66849	4	0,8	4						

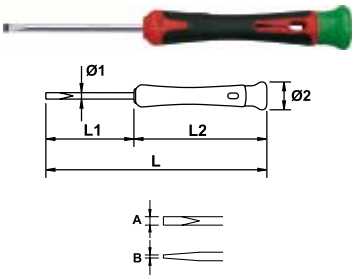
DIN ISO 2380



INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55449	5/64	0,016	3	21	145	2	95	10	●
55450									
55451	1/8	0,02			170	3			
55452	5/32	0,03	4						

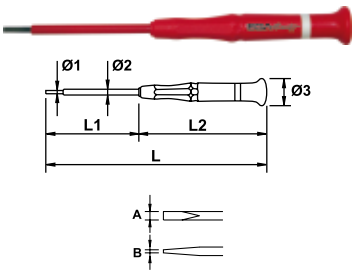
DIN ISO 2380



1000V

COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
75156	1,5	0,23	1,5	3,1	19	140	40	100	10	●
75157	1,8	0,3	1,8	3,4		160	60			
75158	2	0,4	2	3,6						
75159	2,5		2,5	4,1		175	75			
75201	3	0,5	3	4,6						

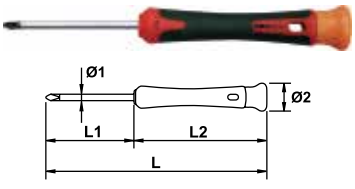
1000 V | DIN ISO 2380 | IEC 60900



PHILLIPS®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66850	PH-00	2	21	145	50	95	10	●
66851	PH-0	3						
66852	PH-1	4		170	75			

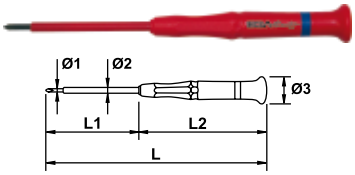
DIN ISO 8764



1000V

COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
75202	PH-00	2,5	4,1	19	175	75	100	10	●
75203	PH-0	3	4,6						

1000 V | DIN ISO 8764 | IEC 60900



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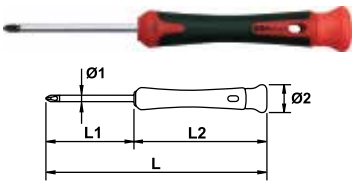
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POZIDRIV®*

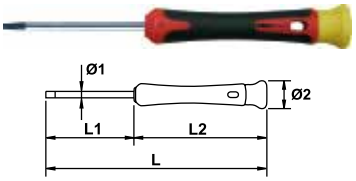
COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66853	PZ-0	3	21	145	50	95	10	●
66854	PZ-1	4		170	75			

DIN ISO 8764



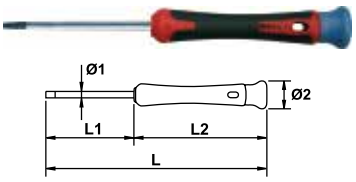
TORX®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66855	T-6	2	21	145	50	95	10	●
66856	T-7	3						
66857	T-8							
66858	T-9							
66859	T-10			170	75			
66860	T-15	4						
66861	T-20							



TAMPER TORX

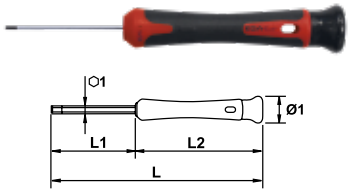
COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66866	TT-6	2	21	145	50	95	10	●
66867	TT-7	3						
66868	TT-8							
66869	TT-9							
66870	TT-10			170	75			
66871	TT-15	4						
66872	TT-20							



HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / HEXAGONAL / *HEXAGONAL* / ШЕСТИГРАННИК

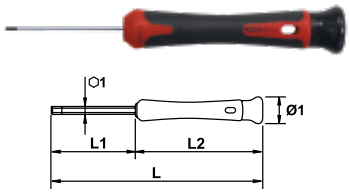
MM

COD.	mm	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)		
57684	1,5	21	145	50	95	10	●
57685	2						



INCH

COD.	inch	Ø 1 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55458	1/16	21	145	2	95	10	●
55453	5/64						



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- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

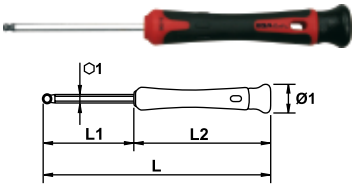
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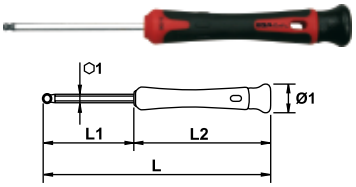
MM

COD.	mm	Ø 1 (mm)	L (mm)	L1 (mm)	L2 (mm)		
66864	2,5	21	145	50	95	10	●
66865	3		155	60			



INCH

COD.	inch	Ø 1 (mm)	L (mm)	L1 (inch)	L2 (mm)		
55455	5/64	21	145	2	95	10	●
55457	1/8		155				



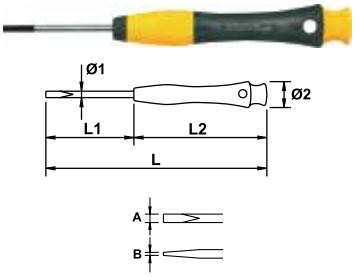
DESCARGA ELECTROSTÁTICA / *ELECTROSTATIC DISCHARGE* / DÉCHARGE ÉLECTROSTATIQUE / *ELEKTROSTATISCHE ENTLADUNG* / CACCIAVITI PER ELETTRONICA STATICA / *DESCARGA ELECTROSTÁTICA* / РАЗРЯЖАТЕЛЬ СТАТИЧЕСКОГО ЭЛЕКТРИЧЕСТВА

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRONICA / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM

COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64740	1	0,2	2	16	140	40	100	14	10	-
64741	1,5	0,3								
64742	2	0,4						16		
64743	2,5		2,5		160	60		17		●
64744	3	0,5	3					19		
64745	3,5	0,6	3,5					21		
64746	4	0,7	4					24		

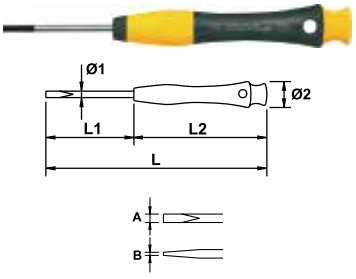
ESD



INCH

COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)	g		
55460	5/64	1/16	2	16	140	2	100	14	10	-
55461		5/64						16		
64464	9/64	9/64	3,5		160			21		●
55465	5/32	5/32	4					24		

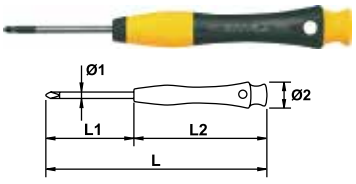
ESD



PHILLIPS®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64747	PH00	2,5	16	160	60	100	17	10	-
64748	PH0	3,0					19		●
64749	PH1	4,0					24		

ESD



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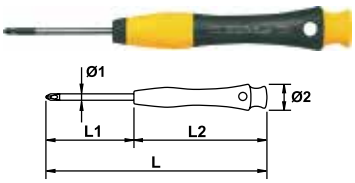
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EGA

POZIDRIV®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64753	PZ0	3,0	16	160	60	100	19	10	●
64754	PZ1	4,0					24		

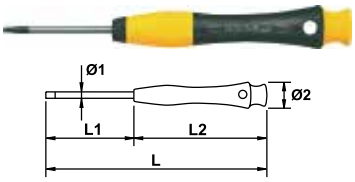
ESD



TORX®*

COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64756	T4	2,5	16	140	40	100	14	10	●
64757	T5								
64758	T6								

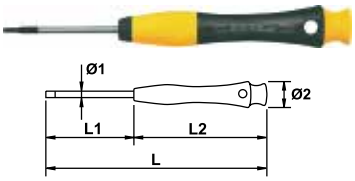
ESD



TAMPER TORX

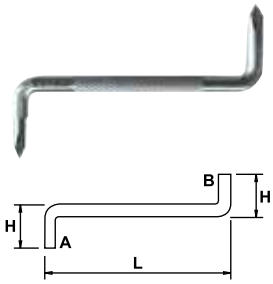
COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64762	TT-7	2,5	16	140	40	100	15	10	-
64763	TT-8								
64764	TT-9	3,0		160	60		19		●
64765	TT-10								

ESD



DESTORNILLADOR ACODADO / *OFFSET SCREWDRIVER* / TOURNEVIS CONTRE COUDÉ / *WINKELSCHRAUBENDREHER* / CACCIAVITE A SQUADRA / *CHAVE DE PARAFUSOS ANGULAR* / КОЛЕНЧАТАЯ ОТВЕРТКА

COD.	A	B	L (mm)	H (mm)	g		
57675	PH1	PH2	125	32	45	10	●
57676	PH3	PH4	200	50	200		
57677	PZ1	PZ2	125	32	45		
57678	PZ3	PZ4	200	50	200		
57679	4	4 (90°)	100	25	25		
57680	5,5	5,5 (90°)	125	30	45		
57681	6	6 (90°)					
57682	8	8 (90°)	150	40	100		
57683	10	10 (90°)	175	50	200		



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EGA

EXPOSITORES Y SETS / *DISPLAYS AND SETS* / PRESENTOIRS ET SETS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

MASTERTORK

1000V 4 PCS.



COD.	PCS.	
76676	4	A
76677		B

PCS.	COD. PCS.	
1	76628	PH0
	76629	PH1
	76630	PH2
	76631	PH3

COD.	PCS.	
76664	4	A
76665		B

PCS.	COD. PCS.	
1	76633	PZ0
	76634	PZ1
	76635	PZ2
	76636	PZ3

5 PCS.



COD.	PCS.	
69858	5	A
68487		B

PCS.	COD. PCS.			
1	66422	3 x 100 mm	◐	▭
	66423	4 x 125 mm		
	66425	5,5 x 150 mm		
	66439	PH1	⊕	-
	66440	PH2		

COD.	PCS.	
55507	5	A
55508		B

PCS.	COD. PCS.			
1	66420	2,5 x 75 mm	◐	▭
	66422	3 x 100 mm		
	66423	4 x 125 mm		
	66425	5,5 x 150 mm		
	66427	8 x 175 mm		

COD.	PCS.	
55510	5	A
55511		B

PCS.	COD. PCS.		
1	66438	PH0	⊕
	66439	PH1	
	66440	PH2	
	66441	PH3	
	66442	PH4	

COD.	PCS.	
55513	5	A
55514		B

PCS.	COD. PCS.		
1	66456	PZ0	⊕
	66457	PZ1	
	66458	PZ2	
	66459	PZ3	
	66460	PZ4	

1000V 5 PCS.



COD.	PCS.	
76667	5	A
76668		B

PCS.	COD. PCS.			
1	76621	3 x 100 mm	◐	▭
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76625	6,5 x 150 mm		
	76626	8 x 175 mm		

COD.	PCS.	
76910	5	A
76911		B

PCS.	COD. PCS.			
1	76621	3 x 100 mm	◐	▭
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76634	PZ1	⊕	-
	76635	PZ2		

COD.	PCS.	
76916	5	A
76917		B

PCS.	COD. PCS.		
1	76628	PH0	⊕
	76629	PH1	
	76630	PH2	
	76631	PH3	
	76632	PH4	

6 PCS.



COD.	PCS.	
69859	6	A
68488		B

PCS.	COD. PCS.			
1	66420	2,5 x 75 mm	◐	▭
	66421	3 x 100 mm		
	66423	4 x 125 mm		
	66425	5,5 x 150 mm		
	66439	PH1	⊕	-
	66440	PH2		

COD.	PCS.	
55501	6	A
55502		B

PCS.	COD. PCS.			
1	66400	3 x 80 mm	◐	▰
	66401	4 x 100 mm		
	66403	5,5 x 125 mm		
	66405	6,5 x 150 mm		
	66407	8 x 200 mm		
	66408	10 x 200 mm		

COD.	PCS.	
55519	6	A
55520		B

PCS.	COD. PCS.			
1	66401	4 x 100 mm	◐	▰
	66402	5,5 x 100 mm		
	66404	6,5 x 125 mm		
	66457	PZ1	⊕	-
	66458	PZ2		
	66459	PZ3		

EGA

COD.	PCS.	
55522	6	A
55523		B

PCS.	COD. PCS.			
1	66401	4 x 100 mm		
	66402	5,5 x 100 mm		
	66405	6,5 x 150 mm		
	66439	PH1		
	66440	PH2		-
	66441	PH3		

1000V 6 PCS.



COD.	PCS.	
76670	6	A
76671		B

PCS.	COD. PCS.			
1	76620	2,5 x 75 mm		
	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76625	6,5 x 150 mm		
	76626	8 x 175 mm		

COD.	PCS.	
76901	6	A
76902		B

PCS.	COD. PCS.			
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76628	PH0		
	76629	PH1		-
	76630	PH2		

COD.	PCS.	
76922	6	A
76923		B

PCS.	COD. PCS.			
1	76620	2,5 x 75 mm		
	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76623	5,5 x 125 mm		
	76629	PH1		
	76630	PH2		-

COD.	PCS.	
76928	6	A
76929		B

PCS.	COD. PCS.			
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76625	6,5 x 150 mm		
	76629	PH1		
	76630	PH2		-
	76631	PH3		

COD.	PCS.	
76934	6	A
76935		B

PCS.	COD. PCS.			
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76625	6,5 x 150 mm		
	76633	PZ0		
	76634	PZ1		-
	76635	PZ2		

COD.	PCS.	
76931	6	A
76932		B

PCS.	COD. PCS.	
1	76640	T8
	76641	T9
	76642	T10
	76643	T15
	76644	T20
	76645	T25

COD.	PCS.	
76926	6	B

PCS.	COD. PCS.	
1	74701	6 mm
	74702	7 mm
	74703	8 mm
	74704	9 mm
	74705	10 mm
	74708	13 mm

7 PCS.



COD.	PCS.	
55525	7	A
55526		B

PCS.	COD. PCS.	
1	66474	T6
	66476	T8
	66478	T10
	66479	T15
	66480	T20
	66481	T25
	66483	T30

COD.	PCS.	
55528	7	A
55529		B

PCS.	COD. PCS.	
1	66478	T10
	66479	T15
	66480	T20
	66481	T25
	66482	T27
	66483	T30
	66484	T40

1000V 7 PCS.



COD.	PCS.	
76938	7	B

PCS.	COD. PCS.	
1	74699	5 mm
	74700	5,5 mm
	74701	6 mm
	74702	7 mm
	74703	8 mm
	74705	10 mm
	74708	13 mm

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EGA

8 PCS.



COD.	PCS.	
69860	8	A
68489		B

PCS.	COD.	PCS.		
1	66421	3 x 100 mm		
	66423	4 x 125 mm		
	66403	5,5 x 125 mm		
	66405	6,5 x 150 mm		
	66438	PH0		-
	66439	PH1		
	66457	PZ1		
	66458	PZ2		

COD.	PCS.	
55504	8	A
55505		B

PCS.	COD.	PCS.		
1	66400	3 x 80 mm		
	66401	4 x 100 mm		
	66402	5,5 x 100 mm		
	66403	5,5 x 125 mm		
	66404	6,5 x 125 mm		
	66406	8 x 150 mm		
	66407	8 x 200 mm		
	66408	10 x 200 mm		

COD.	PCS.	
55516	8	A
55517		B

PCS.	COD.	PCS.		
1	66400	3 x 80 mm		
	66401	4 x 100 mm		
	66403	5,5 x 125 mm		
	66405	6,5 x 150 mm		
	66438	PH0		-
	66439	PH1		
	66440	PH2		
	66441	PH3		

1000V 8 PCS.



COD.	PCS.	
76674	8	B

PCS.	COD.	PCS.		
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76625	6,5 x 150 mm		
	76629	PH1		-
	76630	PH2		
	76634	PZ1		
	76635	PZ2		

COD.	PCS.	
76919	8	A
76920		B

PCS.	COD.	PCS.		
1	76620	2,5 x 75 mm		
	76622	4 x 125 mm		
	76623	5,5 x 125 mm		
	76625	6,5 x 150 mm		
	76628	PH0		-
	76629	PH1		
	76630	PH2		
	76631	PH3		

COD.	PCS.	
76940	8	A
76941		B

PCS.	COD.	PCS.		
1	76620	2,5 x 75 mm		
	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76625	6,5 x 150 mm		
	76628	PH0		-
	76629	PH1		
	76630	PH2		
	76631	PH3		

COD.	PCS.	
76907	8	A
76908		B

PCS.	COD.	PCS.		
1	76620	2,5 x 75 mm		
	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76625	6,5 x 150 mm		
	76633	PZ0		-
	76634	PZ1		
	76635	PZ2		

COD.	PCS.	
76904	8	A
76905		B

PCS.	COD.	PCS.		
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76625	6,5 x 150 mm		
	76629	PH1		-
	76630	PH2		
	76634	PZ1		
	76635	PZ2		

COD.	PCS.	
76913	8	A
76914		B

PCS.	COD.	PCS.	
1	76628	PH0	
	76629	PH1	
	76630	PH2	
	76631	PH3	
	76633	PZ0	
	76634	PZ1	
	76635	PZ2	
	76636	PZ3	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

EGA

9 PCS.



C

COD.	PCS.	
55992	9	C

PCS.	COD. PCS.	
1	55330	1/8" x 3"
	55331	5/32" x 4"
	55332	7/32" x 4"
	55334	1/4" x 5"
	55336	5/16" x 6"
	55338	3/8" x 8"
	55339	25/64" x 8"
	55340	15/32" x 10"
	55341	1/2" x 10"

COD.	PCS.	
56029	9	C

PCS.	COD. PCS.	
1	55373	5/32"
	55374	3/16"
	55375	7/32"
	55376	1/4"
	55378	5/16"
	55379	11/32"
	55380	25/64"
	55382	15/32"
	55383	1/2"

10 PCS.



C

COD.	PCS.	
55991	10	C

PCS.	COD. PCS.	
1	66400	3 x 80 mm
	66401	4 x 100 mm
	66402	5,5 x 100 mm
	66404	6,5 x 125 mm
	66406	8 x 150 mm
	66407	8 x 200 mm
	66408	10 x 200 mm
	66409	12 x 250 mm
	66449	13 x 250 mm
	66410	14 x 250 mm

1000V 10 PCS.



C

COD.	PCS.	
79468	10	C

PCS.	COD. PCS.	
1	75132	5/32"
	74984	3/16"
	75133	7/32"
	74985	1/4"
	74986	5/16"
	74987	3/8"
	75136	25/64"
	74988	7/16"
	75138	15/32"
	74989	1/2"

12 PCS.



C

COD.	PCS.	
55996	12	C

PCS.	COD. PCS.	
1	66488	TT7
	66489	TT8
	66490	TT9
	66491	TT10
	66492	TT15
	66493	TT20
	66494	TT25
	66495	TT27
	66496	TT30
	66497	TT40
	66498	TT45
	66499	TT50

COD.	PCS.	
55997	12	C

PCS.	COD. PCS.	
1	66510	4 mm
	66511	5 mm
	66512	5,5 mm
	66513	6 mm
	66514	7 mm
	66515	8 mm
	66516	9 mm
	66517	10 mm
	66518	11 mm
	66519	12 mm
	66520	13 mm
	66521	14 mm

1000V 12 PCS.



C

COD.	PCS.	
79466	12	C

PCS.	COD. PCS.	
1	75038	TT7
	75039	TT8
	75040	TT9
	75041	TT10
	75042	TT15
	75043	TT20
	75044	TT25
	75045	TT27
	75046	TT30
	75047	TT40
	75048	TT45
	75049	TT50

COD.	PCS.	
79467	12	C

PCS.	COD. PCS.	
1	74698	4 mm
	74699	5 mm
	74700	5,5 mm
	74701	6 mm
	74702	7 mm
	74703	8 mm
	74704	9 mm
	74705	10 mm
	74706	11 mm
	74707	12 mm
	74708	13 mm
	74709	14 mm

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA

13 PCS.



C

COD.	PCS.	
56028	13	C

PCS.	COD. PCS.	
1	66474	T6
	66475	T7
	66476	T8
	66477	T9
	66478	T10
	66479	T15
	66480	T20
	66481	T25
	66482	T27
	66483	T30
	66484	T40
	66485	T45
	66486	T50

1000V 13 PCS.



C

COD.	PCS.	
79465	13	C

PCS.	COD. PCS.	
1	76638	T6
	76639	T7
	76640	T8
	76641	T9
	76642	T10
	76643	T15
	76644	T20
	76645	T25
	76646	T27
	76647	T30
	76648	T40
	76649	T45
	76650	T50

150 PCS.



COD.	PCS.
66540	150

PCS.	COD. PCS.			
10	66402	5,5 x 100 mm		
	66404	6,5 x 125 mm		
	66406	8 x 150 mm		
	66421	3 x 60 mm		
	66422	3 x 100 mm		
	66423	4 x 125 mm		
	66425	5,5 x 150 mm		
	66426	6,5 x 150 mm		
	76621	3 x 100 mm		
	66438	PH0		
	66439	PH1		
	66440	PH2		-
	66456	PZ0		
	66457	PZ1		
	66458	PZ2		

56 PCS.



COD.	PCS.
66541	56

PCS.	COD. PCS.			
6	66402	5,5 x 100 mm		
5	66404	6,5 x 125 mm		
	66406	8 x 150 mm		
6	66423	4 x 125 mm		
	66425	5,5 x 150 mm		
	76622	4 x 125 mm		
	66439	PH1		
5	66440	PH2		-
6	66457	PZ1		
5	66458	PZ2		

T - MASTERTORK

7 PCS.



COD.	PCS.
55403	7

PCS.	COD. PCS.	
1	66571	2,5 mm
	66572	3 mm
	66573	4 mm
	66574	5 mm
	66575	6 mm
	66576	8 mm
	66577	10 mm

EGA

ROTORK

1000V 4 PCS.



COD.	PCS.	
76988	4	A
76989		B

PCS.	COD. PCS.	
1	76655	PH0
	76656	PH1
	76657	PH2
	76658	PH3

COD.	PCS.	
76985	4	A
76986		B

PCS.	COD. PCS.	
1	76659	PZ0
	76660	PZ1
	76661	PZ2
	76662	PZ3

5 PCS.



COD.	PCS.	
66995	5	A
68495		B

PCS.	COD. PCS.			
1	66877	5,5 x 125 mm		
	66887	3 x 100 mm		
	66890	5 x 150 mm		
	66898	PH1		-
	66899	PH2		

COD.	PCS.	
69125	5	A
69126		B

PCS.	COD. PCS.	
1	66874	3 x 80 mm
	66875	4 x 100 mm
	66877	5,5 x 125 mm
	66879	6,5 x 150 mm
	66881	8 x 200 mm

COD.	PCS.	
69143	5	A
69144		B

PCS.	COD. PCS.	
1	66886	3 x 60 mm
	66887	3 x 100 mm
	66888	4 x 125 mm
	66890	5 x 150 mm
	66891	5 x 200 mm

COD.	PCS.	
69714	5	A
69718		B

PCS.	COD. PCS.	
1	66897	PH0
	66898	PH1
	66899	PH2
	66900	PH3
	67131	PH4

COD.	PCS.	
69723	5	A
69727		B

PCS.	COD. PCS.	
1	66907	PZ0
	66908	PZ1
	66909	PZ2
	66910	PZ3
	67064	PZ4

COD.	PCS.	
55537	5	A
55538		B

PCS.	COD. PCS.			
1	67149	2,5 x 60 mm		
	66887	3 x 100 mm		
	66888	4 x 125 mm		
	66890	5 x 150 mm		
	67108	8 x 175 mm		

COD.	PCS.	
55546	5	A
55547		B

PCS.	COD. PCS.	
1	66907	PZ0
	66908	PZ1
	66909	PZ2
	66910	PZ3
	67064	PZ4

1000V 5 PCS.



COD.	PCS.	
76961	5	A
76962		B

PCS.	COD. PCS.	
1	76655	PH0
	76656	PH1
	76657	PH2
	76658	PH3
	76735	PH4

6 PCS.



COD.	PCS.	
66996	6	A
68496		B

PCS.	COD. PCS.			
1	67149	2,5 x 60 mm		
	66887	3 x 100 mm		
	66888	4 x 125 mm		
	66890	5 x 150 mm		
	66898	PH1		-
	66899	PH2		

COD.	PCS.	
55531	6	A
55532		B

PCS.	COD. PCS.			
1	66874	3 x 80 mm		
	66875	4 x 100 mm		
	66877	5,5 x 125 mm		
	66879	6,5 x 150 mm		
	66881	8 x 200 mm		
	66882	10 x 200 mm		

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA

COD.	PCS.	
55552	6	A
55553		B

PCS.	COD. PCS.			
1	66875	4 x 100 mm		
	66877	5,5 x 125 mm		
	66879	6,5 x 150 mm		
	66898	PH1		
	66899	PH2		-
	66900	PH3		

COD.	PCS.	
55549	6	A
55550		B

PCS.	COD. PCS.			
1	66875	4 x 100 mm		
	66876	5,5 x 100 mm		
	66878	6,5 x 125 mm		
	66908	PZ1		
	66909	PZ2		-
	66910	PZ3		

1000V 6 PCS.



COD.	PCS.	
76973	6	A
76974		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76732	8 x 175 mm		

COD.	PCS.	
76955	6	A
76956		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76732	8 x 175 mm		
	76733	10 x 200 mm		

COD.	PCS.	
76967	6	A
76968		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76656	PH1		
	76657	PH2		-

COD.	PCS.	
76943	6	A
76944		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76655	PH0		
	76656	PH1		-
	76657	PH2		

COD.	PCS.	
76952	6	A
76953		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76659	PZ0		
	76660	PZ1		-
	76661	PZ2		

COD.	PCS.	
76976	6	A
76977		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76654	6,5 x 150 mm		
	76656	PH1		
	76657	PH2		-
	76658	PH3		

COD.	PCS.	
76970	6	A
76971		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76654	6,5 x 150 mm		
	76659	PZ0		
	76660	PZ1		-
	76661	PZ2		

7 PCS.



COD.	PCS.	
55555	7	A
55556		B

PCS.	COD. PCS.		
1	66921	T10	
	66922	T15	
	66923	T20	
	66924	T25	
	66925	T27	
	66926	T30	
	66927	T40	

COD.	PCS.	
55558	7	A
55559		B

PCS.	COD. PCS.		
1	66917	T6	
	66919	T8	
	66921	T10	
	66922	T15	
	66923	T20	
	66924	T25	
	66926	T30	

EGA

8 PCS.



COD.	PCS.	
66997	8	A
68497		B

PCS.	COD. PCS.			
1	66887	3 x 100 mm		
	66888	4 x 125 mm		
	66877	5,5 x 125 mm		
	66879	6,5 x 150 mm		
	66897	PH0		
	66898	PH1		-
	66908	PZ1		
	66909	PZ2		

COD.	PCS.	
69128	8	A
69129		B

PCS.	COD. PCS.			
1	66874	3 x 80 mm		
	66875	4 x 100 mm		
	66876	5,5 x 100 mm		
	66877	5,5 x 125 mm		
	66878	6,5 x 125 mm		
	66880	8 x 150 mm		
	66881	8 x 200 mm		
	66882	10 x 200 mm		

COD.	PCS.	
69159	8	A
69168		B

PCS.	COD. PCS.			
1	67149	2,5 x 60 mm		
	66887	3 x 100 mm		
	66888	4 x 125 mm		
	66890	5 x 150 mm		
	66891	5 x 200 mm		
	66892	6 x 150 mm		
	67108	8 x 175 mm		
	67109	10 x 200 mm		

COD.	PCS.	
55561	8	A
55562		B

PCS.	COD. PCS.			
1	66874	3 x 80 mm		
	66875	4 x 100 mm		
	66877	5,5 x 125 mm		
	66879	6,5 x 150 mm		
	66897	PH0		
	66898	PH1		
	66899	PH2		-
	66900	PH3		

1000V 8 PCS.



COD.	PCS.	
76684	8	A
76685		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76656	PH1		
	76657	PH2		-
	76660	PZ1		
	76661	PZ2		

COD.	PCS.	
76964	8	A
76965		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76655	PH0		
	76656	PH1		
	76657	PH2		-
	76658	PH3		

COD.	PCS.	
76982	8	A
76983		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76654	6,5 x 150 mm		
	76655	PH0		
	76656	PH1		
	76657	PH2		-
	76658	PH3		

COD.	PCS.	
76949	8	A
76950		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76731	3 x 60 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76659	PZ0		
	76660	PZ1		-
	76661	PZ2		

COD.	PCS.	
76979	8	A
76980		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76655	PH0		
	76656	PH1		
	76657	PH2		-
	76658	PH3		

COD.	PCS.	
76958	8	A
76959		B

PCS.	COD. PCS.			
1	76655	PH0		
	76656	PH1		
	76657	PH2		
	76658	PH3		
	76659	PZ0		
	76660	PZ1		
	76661	PZ2		
	76662	PZ3		

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA

150 PCS.



COD.	PCS.
66992	150

PCS.	COD. PCS.		
10	66876	5,5 x 100 mm	
	66878	6,5 x 125 mm	
	66880	8 x 150 mm	
	66886	3 x 60 mm	
	66887	3 x 100 mm	
	66888	4 x 125 mm	
	66890	5 x 150 mm	
	66892	6 x 150 mm	
	76651	3 x 100 mm	
	66897	PH0	
	66898	PH1	
	66899	PH2	
	66907	PZ0	
	66908	PZ1	
	66909	PZ2	

60 PCS.



COD.	PCS.
66993	60

PCS.	COD. PCS.	
6	66876	5,5 x 100 mm
5	66878	6,5 x 125 mm
	66880	8 x 150 mm
7	66887	3 x 100 mm
	66888	4 x 125 mm
	66890	5 x 150 mm
6	66898	PH1
	66899	PH2
	66908	PZ1
	66909	PZ2

MICROTRONIC

100 PCS.



COD.	PCS.
66994	100

PCS.	COD. PCS.	
5	66846	2 x 50 mm
	66847	2 x 75 mm
	66848	3 x 75 mm
	66849	4 x 75 mm
	66850	PH00
	66851	PH0
	66852	PH1
	66853	PZ0
	66854	PZ1
	66855	T6
	66856	T7
	66857	T8
	66858	T9
	66859	T10
	66860	T15
	66861	T20
	57684	1,5 x 50 mm
	57685	2 x 50 mm
	66864	2,5 x 50 mm
	66865	3 x 60 mm



COD.	PCS.
66990	100

PCS.	COD. PCS.	
5	66846	2 x 50 mm
	66847	2 x 75 mm
	66848	3 x 75 mm
	66849	4 x 75 mm
	66850	PH00
	66851	PH0
	66852	PH1
	66853	PZ0
	66854	PZ1
	66866	TT6
	66867	TT7
	66868	TT8
	66869	TT9
	66870	TT10
	66871	TT15
	66872	TT20
	57684	1,5 x 50 mm
	57685	2 x 50 mm
	66864	2,5 x 50 mm
	66865	3 x 60 mm

6 PCS.



COD.	PCS.
66999	6

PCS.	COD. PCS.	
1	66846	2 x 50 mm
	66848	3 x 75 mm
	66850	PH00
	66851	PH0
	66853	PZ0
	66854	PZ1

EGA

1000V 7 PCS.



COD.	PCS.
76083	7

PCS.	COD. PCS.		
1	75156	1,5 x 40 mm	
	75157	1,8 x 60 mm	
	75158	2 x 60 mm	
	75159	2,5 x 75 mm	
	75201	3 x 75 mm	
	75202	PH00	
	75203	PH0	

ESD

6 PCS.



COD.	PCS.
68899	6

ESD

PCS.	COD. PCS.		
1	64747	PH00	
	64748	PH0	
	64742	2 x 60 mm	
	64744	3 x 60 mm	
	64753	PZ0	
	64754	PZ1	

8 PCS.



COD.	PCS.
68898	8

ESD

PCS.	COD. PCS.	Descripción / *Description* / Description		
1	64730	Alicate universal ESD / *ESD Combination plier*	115 mm	-
	64736	Alicate corte diagonal ESD / *ESD Diagonal cutting plier*		
	64733	Alicate telefonista ESD / *ESD Long nose plier*	135 mm	
	64742	Destornilladores ESD / *ESD Screwdrivers*	2 x 60 mm	
	64744		3 x 60 mm	
	64747		PH00	
	64748		PH0	
	64749		PH1	

BUSCAPOLOS / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

BUSCAPOLOS / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	L (mm)	mm	V	g		
66073	190	3 x 15	100-250 AC	30	12	●



BUSCAPOLOS DIGITAL / *DIGITAL VOLTAGE TESTER* / TESTEUR DIGITAL / *DIGITAL SPANNUNGSPRÜFER* / CERCAFASE DIGITALE / *BUSCA-POLOS DIGITAL* / ЦИФРОВОЙ МЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	L (mm)	mm	V	g		
66074	160	3 x 15	0-220 AC/DC	40	4	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

5 niveles de tensión / *5 voltage levels* / 5 niveaux de tension

TESTER ELECTRÓNICO MEDIDOR DE TENSIÓN 2 EN 1 / *ELECTRONIC TESTER 2 IN 1* / TESTEUR ELECTRONIQUE À MESURE DE TENSION 2 EN 1 / *SPANNUNGSPRÜFER ELEKTRONIK, 2 IN 1* / TESTER ELECTRONICO 2 IN 1 / *MEDIDOR DE TENSÃO 2 EM 1* / ЭЛЕКТРОННЫЙ ТЕСТЕР 2 В 1

COD.	L (mm)	V	g		
66075	190	6-380 AC	220	4	●



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Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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EGA

BUSCAPOLOS CLASSIC / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	L (mm)	mm	mm	V	g		
66070	140	65	3	100-250 AC	20	12	●

COD.	L (mm)	mm	mm	V	g		
66071	190	100	4	100-250 AC	35	12	●
66069			3,5	90-480 AC	40		



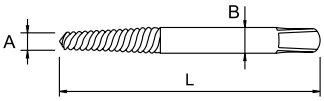


MAGNETIZADOR-DESMAGNETIZADOR / *MAGNETIZER-DEMAGNETIZER* / MAGNETISEUR-DEMAGNETISEUR / *MAGNETISIERT-ENTMAGNETISIERTVORRICHTUNG* / MAGNETIZZATORE- SNAGNETIZZATORE / *MAGNETIZADOR-DESMAGNETIZADOR* / НАМАГНИЧИВАТЕЛЬ-РАЗМАГНИЧИВАТЕЛЬ

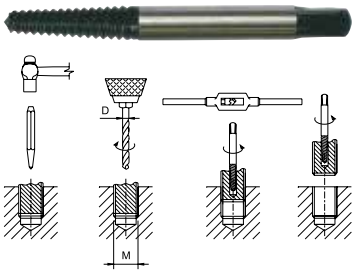
COD.	g		
69504	80	12	●



EXTRACTORES DE TORNILLOS / *SCREW EXTRACTORS* / EXTRACTEUR DE VIS / *SCHRAUBENAUSDREHER* / ESTRATTORI / *EXTRACTORES DE PERNOS* / РЕЗЬБОВЫЕ ЭКСТРАКТОРЫ



COD.	L (mm)	A (mm)	B (mm)	M	D (mm)	g
61583	50	2,6	3,9	3-6	2,5	5
61584	55	3,0	4,3	6-8	3,0	10
61585	65	4,0	6,5	8-11	4,5	20
61586	75	4,5	7,5	11-14	6,0	30
61587	85	7,0	11	14-18	8,0	50
61588	90	9,0	15	18-25	11	100
61589	95	9,5	19	25-35	14	150
61590	100	14	24	>35	20	200



SET

COD.	PCS.	g
61591	5	100
61592	6	200
61593	8	750

Composición / *Composition* / Composition
61583, 61584, 61585, 61586, 61587, 61588, 61589, 61590



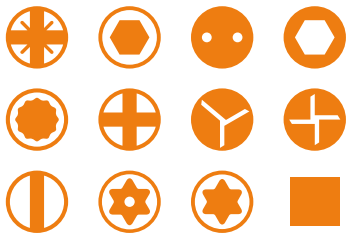
6

PUNTAS DE DESTORNILLADOR
BITS
EMBOUTS DE VISSAGE
BITS
INSERTI
PONTAS
БИТЫ



6 PUNTAS DE DESTORNILLADOR
BITS
EMBOUTS DE VISSAGE

MASTERBIT

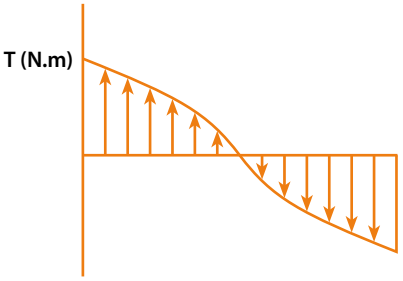


- Alta calidad de material, Cr-Mo-V, que permite alcanzar altas durezas manteniendo la tenacidad
- Alta dureza, con la consiguiente resistencia al desgaste: 56-60 HRc

- *High quality material, Cr-Mo-V, enables the bit to achieve high hardness while maintaining the tenacity*
- *High hardness, provides strong resistance to wearing: 56-60HRc*

- Matériau de grande qualité, Cr-Mo-V, qui permet d'atteindre des hautes duretés tout en gardant la tenacité
- Grande dureté, renforce la résistance á l'usure : 56-60HRc

MASTERBIT TORSION





- Alta calidad de material, Cr-Mo-V, que permite alcanzar altas durezas manteniendo la tenacidad
- Alta dureza, con la consiguiente resistencia al desgaste: 56-60 HRc
- Buen acceso a espacios reducidos de atornillado/desatornillado
- La zona especial de torsión amortigua el esfuerzo final de atornillado
- Se alarga la vida de la punta y del atornillador gracias a la potencia de torsión

- *High quality material, Cr-Mo-V, enables the bit to achieve high hardness while maintaining the tenacity*
- *High hardness, provides strong resistance to wearing: 56-60HRc*
- *Good access to confined spaces for screwing/unscrewing*
- *The special zone for torsion cushions the final effort of screwing*
- *The life of the bit and the screwdriver is longer due to the torsion power*

- Matériau de grande qualité, Cr-Mo-V, qui permet d'atteindre des hautes duretés tout en gardant la tenacité
- Grande dureté, résultant une résistance á l'usure : 56-60HRc
- Bonne accéssibilité á des espaces réduits pour visser et dévisser
- La zone spéciale de torsion amortit la force finale de vissage
- La durée de vie de l'embout et et du porte embout est améliorée grâce á la capacité de torsion

MASTERBIT NON-SLIP



- Alta calidad de material, Cr-Mo-V, que permite alcanzar altas durezas manteniendo la tenacidad
- Alta dureza, con la consiguiente resistencia al desgaste: 56-60 HRc
- Especialmente diseñada para disminuir el efecto de expulsión en el atornillado fuerte
- Se alarga la vida de la punta y del atornillador gracias a la reducción del efecto expulsión

- *High quality material, Cr-Mo-V, enables the bit to achieve high hardness while maintaining the tenacity*
- *High hardness, provides strong resistance to wearing: 56-60HRc*
- *Specially designed to avoid undesired slides*
- *The life of the bit and the screwdriver becomes longer due to the reduction of come out effect*

- Matériau de grande qualité, Cr-Mo-V, qui permet d'atteindre des hautes duretés tout en gardant la tenacité
- Grande dureté, résultant une résistance á l'usure : 56-60HRc
- Spécialement concue pour diminuer l'effet d'explusion pour des vissages difficiles
- La durée de vie de l'embout et du porte-embout est supérieure grâce á la réduction de l'effet d'expulsion

MASTERBIT TIN



- Alta calidad de material, Cr-Mo-V, que permite alcanzar altas durezas manteniendo la tenacidad
- Alta dureza, con la consiguiente resistencia al desgaste: 56-60 HRc
- Alta dureza superficial, con la consiguiente resistencia al desgaste: 2400 Hv
- Puntas recubiertas de Nitruro de Titanio especialmente indicadas para trabajos repetitivos
- La vida de la punta se alarga de 4 a 10 veces
- Excelente resistencia antioxidante

- *High quality material, Cr-Mo-V, enables the bit to achieve high hardness while maintaining the tenacity*
- *High hardness, provides strong resistance to wearing: 56-60HRc*
- *High superficial hardness, getting a extremely high resitance to wearing: 2400Hv*
- *Titan Nitride coated bits are specially suitable for repetitive works*
- *The life of the bit becomes up to 10 times longer*
- *Excellent anti-rust protection*

- Matériau de grande qualité, Cr-Mo-V, qui permet d'atteindre des hautes duretés tout en gardant la tenacité
- Grande dureté, résultant une résistance á l'usure : 56-60HRc
- Grande dureté superficielle, avec une résistance à l'usure acquise de: 2400Hv
- Embouts recouverts de triniture de titane , spécialement indiqué pour des travaux répétitifs
- La durée de vie de l'embout est 4 à 10 fois supérieure
- Excellente résistance à l'oxydation

DESTORNILLADORES PORTAPUNTAS / *BITHOLDER SCREWDRIVERS* / TOURNEVIS PORTE-EMBOUTS / *BITHALTER SCHRAUBENDREHER* / CACCIAVITE PORTA INSERTI / *CHAVE PORTA PONTAS* / ОВЕРТКИ С БИТОДЕРЖАТЕЛЯМИ

DESTORNILLADOR PORTAPUNTAS MAGNÉTICO / *MAGNETIC BITHOLDER SCREWDRIVER* / TOURNEVIS PORTE-EMBOUTS MAGNÉTIQUE / *MAGNETISCHER BITHALTER-SCHRAUBENDREHER* / CACCIAVITE PORTA INSERTI MAGNETICOM / *CHAVE PORTA PONTAS MAGNETICO* / ОТВЕРТКА С МАГНИТНЫМ БИТОДЕРЖАТЕЛЕМ

COD.	inch	L (mm)	g		
66731	1/4	215	105	6	●



COD.	inch	L (mm)	g		
76737	1/4	210	120	6	●

1000 V | IEC 60900



COD.	inch	L (mm)	g		
66249	1/4	150	75	6	●



DESTORNILLADOR PORTAPUNTAS MAGNÉTICO CON CARRACA / *MAGNETIC BITHOLDER RATCHET SCREWDRIVER* / TOURNEVIS PORTE-EMBOUTS MAGNÉTIQUE Á CLIQUET / *MAGNETISCHER BITHALTER-SCHRAUBENDREHER MIT RATSCHE* / CACCIAVITE PORTA INSERTI MAGNETICO A CRICCO / *CHAVE PORTA PONTAS MAGNETICO COM ROQUETE* / ОВЕРТКИ С БИТОДЕРЖАТЕЛЯМИ С ТРЕЩЕТКОЙ

COD.	inch	L (mm)	g		
66843	1/4	220	200	6	●



DESTORNILLADOR PORTAPUNTAS CON VARILLA FLEXIBLE / *BITHOLDER SCREWDRIVER WITH FLEXIBLE BLADE* / TOURNEVIS PORTE-EMBOUTS À LAME FLÉXIBLE / *BITHALTER-SCHRAUBENDREHER MIT FLEXIDEM BLATT* / CACCIAVITE PORTA INSERTI ARTICOLATO / *CHAVE PORTA PONTAS FLEXIBEL* / ОВЕРТКИ С БИТОДЕРЖАТЕЛЯМИ С ГИБКИМ ВАЛОМ



COD.	inch	L (mm)	g		
66844	1/4	235-350	200	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Carraca / *Ratchet* / Cliquet

DESTORNILLADOR DINAMOMÉTRICO / *TORQUE SCREWDRIVER* / TOURNEVIS DYNANOMÉTRIQUE / *DREHMOMENT SCHRAUBENDREHER* / CACCIAVITE DINAMOMETRICO / *CHAVE DE FENDAS DINAMOMÉTRICA* / ОТВЕРТКА С УСТАНОВКОЙ МОМЕНТА ЗАТЯГИВАНИЯ

DIGITAL / *DIGITAL* / DIGITAL / *DIGITAAL* / DIGITALE / *DIGITAL* / ЦИФРОВОЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ

COD.	inch	cN.m	Lb.in	Kg.cm	L (mm)	g		N.m
66578	1/4	20-400	1,77-35,39	2,04-40,82	200	650	1	0,2-4



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
N.m	0,2-4
Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	±2%
Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	±3%
Resolución / *Resolution* / Résolution	0.1Nm /0.01 Lb.in / 0.01 Kg-cm
Memoria de datos / *Data memory* / Mémoire de données	250
Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	●
Cable para la comunicación de datos / *Cable for data communication* / Transmission de données	●
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Modo de operación / *Operation mode* / Mode d'opération	Peak/Track*
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.in / Kg.cm
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	●
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	24 h
Baterías / *Batteries* / Piles	AAA x 1
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C - 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C - 70 °C

*** : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión** */ Track mode: Direct torque value - Peak mode: Max. torque Value* **/ Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion**

ANALÓGICO / *ANALOGIC* / ANALOGIQUE / *ANALOG* / ANALOGICO / *ANALÓGICO* / АНАЛОГОВЫЙ



COD.	inch	N.m	L (mm)	g	
66873	1/4	1-4	180	215	1

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	+/-6%



COD.	g	
66845	550	1

PCS.	Descripción / *Description* / Description			L (mm)
1	Destornillador / *Screwdriver*	Cod. 66873		180
5	Puntas / *Bits*	3 - 4 - 5 - 6 - 8 mm		25
		3 - 4 - 5,5 - 6,5 - 7 mm		
4		PH0 - PH1 - PH2 - PH3		
		S1 - S2 - S3 - S4		
2		PZ1 - PZ2		
6		T10 -T15 - T20 - T25 - T30 - T40		
1	Adaptador / *Adapter*	1/4", 60 mm		60
		1/4", 25 mm		25

COD.	AF inch	N.m	Lb.in	L (mm)	g	
66579	1/4	0.4-2	-	135	130	1
66594		-	4-20			



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	±6%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Estuche individual / *Individual case* / Étui individuel	●

COD.	AF inch	N.m	Lb.in	L (mm)	g	
66580	1/4	1-5	-	160	130	1
66595		-	10-50			



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	±6%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Estuche individual / *Individual case* / Étui individuel	●

ATORNILLADOR ELÉCTRICO / *CORDLESS SCREWDRIVER* / TOURNEVIS ÉLECTRIQUE / *AKKUSCHRAUBER* / CACCIAVITE ELETTRICO / *APARAFUSADOR ELECTRICO* / БЕЗПРОВОДНАЯ ОТВЕРТКА

COD.	inch	Max. Nm	R.P.M.	V	V	Bat.	g	
66508	1/4	4,5	200	110-240V (50-60Hz)	3,6 DC	Li-ion	950	1



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía en uso / *Operating time* / Autonomie en utilisation	50 min
Tiempo de carga / *Charge time* / Temps de recharge	4 h
Puntas incluidas / *Included bits* / Pointes de tournevis inclus	2 x 0,4 / 3 x 0,5 / 5 x 0,8 / 6 x 1,2 / 7 x 1,2 / PH0 / 2xPH1 / 2xPH2 / PH3 / PZ0 / 2xPZ1 / 2xPZ2 / PZ3 2 / HEX 3 / HEX 4 / HEX 5 / T10 / T15 / T20 / T25

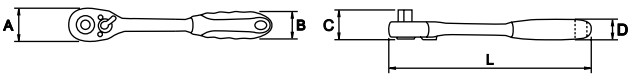
CARRACA PARA PUNTAS HEXAGONALES / *RATCHET FOR HEXAGONAL BITS* / CLIQUET POUR MÈCHES HEXAGONALES / *RATSCHE FÜR SECHSANT- BITS* / CRICCHETTO PER INSERTI ESAGONALI / *ROQUETE PARA PONTAS HEXAGONAIS* / ТРЕЩОТКА ДЛЯ ШЕСТИГРАННЫХ БИТ

NI

COD.	inch	L (mm)	g
62770	1/4	90	56

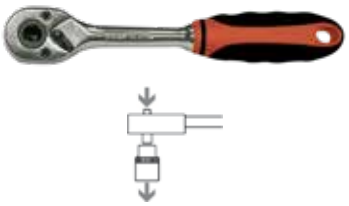


LLAVE DE CARRACA REVERSIBLE (VASOS Y PUNTAS) / *REVERSIBLE RATCHET WRENCH (SOCKETS AND BITS)* / CLÉ À CLIQUET RÉVERSIBLE (DOUILLES ET EMBOUTS) / *UMSCHALTKNARRE (STECKSCHLÜSSEL UND BITS)* / CHIAVE A CRICCO REVERSIBILE (BUSSOLE E INSERTI) / *ROQUETE REVERSIVEL (CHAVES DE CAIXA E PONTAS)* / РЕВЕРСИВНАЯ ТРЕЩЕТКА (ГОЛОВКИ И БИТЫ)



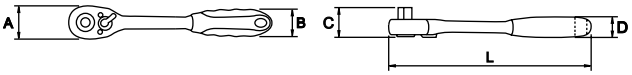
COD.	AF inch	L (mm)	⬢	A (mm)	B (mm)	C (mm)	D (mm)	g		
62620	1/4	95	1/4	26	16	23	14	60	6	●

DIN 3122



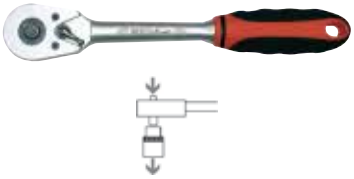
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Reducido tamaño para lugares de difícil acceso / *Small size for inaccessible places* / Diminution de la dimensions pour lieux difficiles d'accès	●

LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

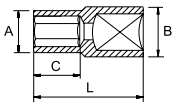


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62603	1/4	140	23	21	22	17	105	6	●
62604	3/8	200	31	28	29	22	270		
62606	1/2	250	42	36	37	28	560		

DIN 3122



ADAPTADOR CON RETÉN DE BOLA / *BALL RETAINER ADAPTER* / ADAPTATEUR AVEC BILLE DE RETENUE / *ADAPTOR FÜR STECKSCHÜSSEL* / ADATTATORE CON BLOCCO A SFERA / *ADAPTADOR COM RETENTOR DE BOLA* / ПЕРЕХОДНИК С УДЕРЖИВАЮЩИМ ШАРИКОМ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
65846	1/4"-1/4"	25	11	12	11	12	6	●
65862	3/8"-1/4"	29		17		23		
66388	1/2"-1/4"	38		22	15	45		



PUNTA ADAPTADORA PARA VASOS DE IMPACTO / *ADAPTER BIT FOR IMPACT SOCKETS* / EMBOUT ADAPTATEUR POUR DOUILLES À CHOC / *ADAPTERBIT FÜR SCHLAGNÜSSE* / INSERTO ADATTATORE PER BUSSOLE A MACCHINA / *PONTA ADAPTADORA PARA CHAVES DE CAIXA DE IMPACTO* / ПЕРЕХОДНИК ДЛЯ УДАРНЫХ БИТ

COD.		L (mm)		g
61695	1/4"-1/4"	65	6	20
61696	3/8"-1/4"			26
61697	1/2"-1/4"	70		46



MASTERBIT

PLANA / *FLAT* / **À FENTE** / *FLACH* / **PIATTA** / *PLANA* / **ПЛОСКАЯ**

MM

COD.	mm	L (mm)	PCS
58227	3 x 0,5	25	1
66121			5
66623			10
55100			125
58180	4 x 0,5		1
55850			5
55859			10
55868			125
58228	4,5 x 0,6		1
66122			5
66624			10
55101			125
58229	5,5 x 0,8		1
66123			5
66625			10
55102			125
58230	5,5 x 1		1
66124			5
66626			10
55103			125
58231	6,5 x 1,2		1
66125			5
66627			10



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Management System
ISO 9001:2015
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to the Management Quality

COD.	mm	L (mm)	PCS
55104	6,5 x 1,2	25	125
58181	7 x 1,2		1
55851			5
55860			10
55869			125
58232	8 x 1,6		1
66126			5
66628			10
55105			125

1/4"

INCH



COD.	inch	L (mm)	PCS
58189	1/8" x 0,02	25	1
55877			5
55891			10
55905			125
58190	5/32" x 0,02		1
55878			5
55892			10
55906			125
58191	3/16" x 0,024		1
55879			5
55893			10
55907			125
58192	7/32" x 0,032		1
55880			5
55894			10
55908			125
55881	7/32" x 0,04		5
58193			1
55895			10
55909			125
58194	1/4" x 0,046		1
55882			5
55896			10
55910			125
58195	9/32" x 0,046		1
55883			5
55897			10
55911			125
58196	5/16" x 0,063		1
55884			5
55898			10
55912			125

1/4"

MM



COD.	mm	L (mm)	PCS
58233	3 x 0,5	50	1
66127			5
66629			10
55106			125
58234	3,5 x 0,6		1
66128			5
66630			10
55107			125

COD.	mm	L (mm)	PCS
58235	4 x 0,8	50	1
66129			5
66631			10
55108			125
55097	4,5 x 0,6		5
55098			10
55099			125
58236	5,5 x 1		1
66130			5
66632			10
55109			125
58237	6,5 x 1,2		1
66131			5
66633			10
55110			125
58238	8 x 1,6		1
66132			5
66634			10
55111			125

1/4"

INCH



COD.	inch	L (mm)	PCS
58197	1/8" x 0,02	50	1
55885			5
55899			10
55913			125
58198	9/64" x 0,024		1
55886			5
55900			10
55914			125
58199	5/32" x 0,032		1
55887			5
55901			10
55915			125
58200	7/32" x 0,04		1
55888			5
55902			10
55916			125
58201	1/4" x 0,046		1
55889			5
55903			10
55917			125
58202	5/16" x 0,063		1
55890			5
55904			10
55918			125

1/4"

PHILLIPS®*



COD.		L (mm)	PCS
58239	PH-0	25	1
66133			5
66635			10
55112			125

*Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

COD.		L (mm)	PCS
58240	PH-1	25	1
66134			5
55113			125
58241	PH-2		1
66135			5
55114			125
58242	PH-3		1
66136			5
55115			125
58243	PH-4	30	1
66137			5
66639			10
55116			125

1/4"



COD.		L (mm)	PCS
58273	PH-0	50	1
68877			5
68887			10
55117			125
58274	PH-1		1
68878			5
68888			10
55118			125
58275	PH-2		1
68879			5
68889			10
55119			125
58276	PH-3		1
68880			5
68890			10
55120			125
58277	PH-4		1
68881			5
68891			10
55121			125

1/4"

POZIDRIV®*



COD.		L (mm)	PCS
58244	PZ-0	25	1
66138			5
66640			10
55122			125
58245	PZ-1		1
66139			5
66641			10
55123			125
58246	PZ-2		1
66140			5
66642			10
55124			125
58247	PZ-3		1
66141			5
66643			10

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

COD.		L (mm)	PCS
55125	PZ-3	25	125
58248	PZ-4	30	1
66142			5
66644			10
55126			125

1/4"



COD.		L (mm)	PCS
58278	PZ-0	50	1
68882			5
68892			10
55260			125
58279	PZ-1		1
68883			5
68893			10
55261			125
58280	PZ-2		1
68884			5
68894			10
55262			125
58281	PZ-3		1
68885			5
68895			10
55263			125
58282	PZ-4		1
68886			5
68896			10
55264			125

1/4"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	PCS
58249	1,5	25	1
66144			5
66645			10
55127			125
58250	2		1
66145			5
66646			10
55128			125
58251	2,5		1
66146			5
66647			10
55129			125
58252	3		1
66147			5
66648			10
55130			125
58182	3,5		1
55852			5
55861			10
55870			125
58253	4		1
66148			5

• *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

COD.	mm	L (mm)	PCS
66649	4	25	10
55131			125
58254	5		1
66149			5
66650			10
55132			125
58183	5,5		1
55853			5
55862			10
55871			125
58255	6		1
66172			5
66651			10
55133			125
58184	6,5		1
55854			5
55863			10
55872			125
58164	8		1
66173			5
66652			10
55134			125

1/4"

INCH



COD.	inch	L (mm)	PCS
58203	1/16	25	1
55919			5
55943			10
55967			125
58204	5/64		1
55920			5
55944			10
55968			125
58205	3/32		1
55921			5
55945			10
55969			125
58206	7/64		1
55922			5
55946			10
55970			125
58207	1/8		1
55923			5
55947			10
55971			125
58208	9/64		1
55924			5
55948			10
55972			125
58209	5/32		1
55925			5
55949			10
55973			125
58210	3/16		1
55926			5
55950			10
55974			125
58211	7/32		1
55927			5

COD.	inch	L (mm)	PCS
55951	7/32	25	10
55975			125
58212	15/64		1
55928			5
55952			10
55976			125
58213	1/4		1
55929			5
55953			10
55977			125
58214	5/16		1
55930			5
55954			10
55978			125

1/4"

MM



COD.	mm	L (mm)	PCS
58185	2	50	1
55855			5
55864			10
55873			125
58256	3		1
66174			5
66653			10
55135			125
58186	3,5		1
55856			5
55865			10
55874			125
58160	4		1
66175			5
66654			10
55136			125
58257	5		1
66176			5
66655			10
55137			125
58187	5,5		1
55857			5
55866			10
55875			125
58258	6		1
66177			5
66656			10
55138			125
58188	6,5		1
55858			5
55867			10
55876			125
58162	8		1
66178			5
66657			10
55139			125

1/4"

INCH



COD.	inch	L (mm)	PCS
58215	1/16	50	1
55931			5
55955			10
55979			125
58216	5/64		1
55932			5
55956			10
55980			125
58217	3/32		1
55933			5
55957			10
55981			125
58218	7/64		1
55934			5
55958			10
55982			125
58219	1/8		1
55935			5
55959			10
55983			125
58220	9/64		1
55936			5
55960			10
55984			125
58221	5/32		1
55937			5
55961			10
55985			125
58222	3/16		1
55938			5
55962			10
55986			125
58223	7/32		1
55939			5
55963			10
55987			125
58224	15/64		1
55940			5
55964			10
55988			125
58225	1/4		1
55941			5
55965			10
55989			125
58226	5/16		1
55942			5
55966			10
55990			125

1/4"

HEXAGONAL CON PUNTA DE BOLA / *HEXAGONAL BALL POINT* / HEXAGONALE EMBOUT SPHÉRIQUE / *HEXAGONAL KUGELKOPF* / ESAGONALE TESTA SFERICA / *HEXAGONAL COM PONTA ESFERICA* / ШЕСТИГРАННАЯ С ШАРОВОЙ ГОЛОВКОЙ



COD.	mm	L (mm)	PCS
58259	2	50	1
66179			5
66658			10
55140			125
58260	2,5		1

COD.	mm	L (mm)	PCS
66180	2,5	50	5
66659			10
55141			125
58261	3		1
66181			5
66660			10
55142			125
58262	4		1
66182			5
66661			10
55143			125
58263	5		1
66183			5
66662			10
55144			125
58264	6		1
66184			5
66663			10
55145			125

1/4"

ROBERTSON



COD.		L (mm)	PCS
58343	S1	25	1
66384			5
66690			10
55146			125
58344	S2		1
66385			5
66691			10
55147			125
58345	S3		1
66386			5
66692			10
55148			125
58346	S4		1
66387			5
66693			10
55149			125

1/4"

TORX®*



COD.		L (mm)	PCS
58265	T-5	25	1
66185			5
66664			10
55150			125
58266	T-6		1
66186			5
66665			10
55151			125
58267	T-7		1
66187			5
66666			10

- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) */ *For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark) / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

COD.		L (mm)	PCS
55152	T-7	25	125
58268	T-8		1
66188			5
66667			10
55153			125
58269	T-9		1
66189			5
66668			10
55154			125
58159	T-10		1
66190			5
66669			10
55155			125
58270	T-15		1
66191			5
66670			10
55156			125
58156	T-20		1
66192			5
66671			10
55157			125
58165	T-25		1
66193			5
66672			10
55158			125
58271	T-27		1
66194			5
66673			10
55159			125
58155	T-30		1
66195			5
66674			10
55160			125
58272	T-40		1
66196			5
66675			10
55161			125

1/4"



COD.		L (mm)	PCS
58161	T-10	50	1
66241			5
66676			10
55162			125
58158	T-15		1
66242			5
66677			10
55163			125
58283	T-20		1
66243			5
66678			10
55164			125
58284	T-25		1
66244			5
66679			10
55165			125
58285	T-27		1

- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / *For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark) / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

COD.		L (mm)	PCS
66245	T-27	50	5
66680			10
55166			125
58286	T-30		1
66246			5
66681			10
55167			125
58287	T-40		1
66247			5
66682			10
55168			125

1/4"

TAMPER TORX



COD.		L (mm)	PCS
58288	TT-10	25	1
66392			5
66683			10
55169			125
58289	TT-15		1
66393			5
66684			10
55170			125
58290	TT-20		1
66394			5
66685			10
55171			125
58157	TT-25		1
66395			5
66686			10
55172			125
58291	TT-27		1
66396			5
66687			10
55173			125
58292	TT-30		1
66397			5
66688			10
55174			125
58293	TT-40		1
66398			5
66689			10
55175			125

1/4"

- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) */ *For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark) /* *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

MAGNETIC STECKER



COD.	mm	L (mm)	g		
57575	5	65	35	10	-
66269	5,5				●
57576	6				-
66270	7				
66271	8				●
66279	10				
66280	13				

1/4"



COD.	mm	L (mm)	g		
66357	10	100	50	10	●

1/4"

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con muelle de ajuste interno / *With internal adjusting spring* / Avec ressort de réglage

XZN



COD.		L (mm)	PCS
58294	M4	25	1
66966			5
66971			10
55176			125
58295	M5		1
66967			5
66972			10
55177			125
58163	M6		1
66968			5
66973			10
55178			125
58296	M8		1
66969			5
66974			10
55179			125
58297	M10		1
66970			5
66975			10
55180			125

1/4"

SPANNER



COD.		L (mm)	PCS
58298	4	25	1
66958			5
66962			10
55181			125
58299	6		1
66959			5
66963			10
55182			125
58300	8		1
66960			5
66964			10
55183			125

COD.		L (mm)	PCS
58301	10	25	1
66961			5
55184			125

1/4"

TRI-WING®*



COD.		L (mm)	PCS
58302	1	25	1
66982			5
66986			10
55185			125
58303	2		1
66983			5
66987			10
55186			125
58304	3		1
66984			5
66988			10
55187			125
58305	4		1
66985			5
66989			10
55188			125

1/4"

TORQ-SET®*

MM



COD.		L (mm)	PCS
58306	6	25	1
66976			5
66979			10
55189			125
58307	8		1
66977			5
66980			10
55190			125
58308	10		1
66978			5
66981			10
55191			125

1/4"

INCH



COD.		L (mm)	PCS
58359	1/4	25	1
67628			5
67638			10
67639			125

1/4"

- *Para tornillos TRI-WING® (Marca registrada por Phillips Screw Company) / **For screws TRI-WING® (Phillips Screw Company registered trademark)* / *Pour vis TRI-WING® (Marque enregistrée par Phillips Screw Company)
- *Para tornillos TORQ-SET® (Marca registrada por Phillips Screw Company) / **For screws TORQ-SET® (Phillips Screw Company registered trademark)* / *Pour vis TORQ-SET® (Marque enregistrée par Phillips Screw Company)

MASTERBIT TORSION

PLANA / *FLAT* / À FENTE / *FLACH* / PIATTA / *PLANA* / ПЛОСКАЯ



COD.	mm	L (mm)	PCS
58309	4 x 0,5	25	1
66533			5
66694			10
55192			125
58310	4,5 x 0,6		1
66534			5
66695			10
55193			125
58311	5,5 x 0,8		1
66535			5
66696			10
55194			125
58312	5,5 x 1		1
66536			5
66697			10
55195			125
58313	6,5 x 1,2		1
66537			5
66698			10
55196			125

1/4"

PHILLIPS®*



COD.		L (mm)	PCS
58314	PH-1	25	1
66522			5
66699			10
55197			125
58315	PH-2		1
66523			5
66700			10
55198			125
58316	PH-3		1
66524			5
66701			10
55199			125

1/4"

BE SAFE...BE EFFICIENT

• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

POZIDRIV®*



COD.		L (mm)	PCS
58317	PZ-1	25	1
66543			5
66702			10
55200			125
58318	PZ-2		1
66544			5
66703			10
55201			125
58319	PZ-3		1
66545			5
66704			10
55202			125

1/4"

TORX®*



COD.		L (mm)	PCS
58320	T5	25	1
55227			5
55238			10
55249			125
58321	T6		1
55228			5
55239			10
55250			125
58322	T7		1
55229			5
55240			10
55251			125
58323	T8		1
55230			5
55241			10
55252			125
58324	T9		1
55231			5
55242			10
55253			125
58325	T10		1
55232			5
55243			10
55254			125
58326	T15		1
55233			5
55244			10
55255			125
58327	T20		1
55234			5
55245			10
55256			125
58328	T25		1
55235			5
55246			10
55257			125
58329	T27		1
55236			5
55247			10

- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

COD.		L (mm)	PCS
55258	T27	25	125
58330	T30		1
55237			5
55248			10
55259			125

1/4"

TAMPER TORX



COD.		L (mm)	PCS
57565	TT10	25	5
57566	TT15		
57567	TT20		
57568	TT25		
57569	TT27		
57570	TT30		
57571	TT40		

1/4"

MASTERBIT NON-SLIP

PHILLIPS®*



COD.		L (mm)	PCS
58331	PH-1	25	1
66546			5
66705			10
55203			125
58332	PH-2		1
66547			5
66706			10
55204			125
58333	PH-3		1
66548			5
66707			10
55205			125

1/4"

EGA Master
ART IN INNOVATION

- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)
- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

POZIDRIV®*



COD.		L (mm)	PCS
58334	PZ-1	25	1
66568			5
66708			10
55206			125
58335	PZ-2		1
66569			5
66709			10
55207			125
58336	PZ-3		1
66570			5
66710			10
55208			125

1/4"

MASTERBIT TIN

PHILLIPS®*



COD.		L (mm)	PCS
58347	PH-1	25	1
66605			5
66711			10
55209			125
58348	PH-2		1
66606			5
66712			10
55210			125
58349	PH-3		1
66607			5
66713			10
55211			125

1/4"



COD.		L (mm)	PCS
58350	PH-1	50	1
66608			5
66714			10
55212			125
58351	PH-2		1
66609			5
66715			10
55213			125
58352	PH-3		1
66610			5
66716			10
55214			125

1/4"

POZIDRIV®*



COD.		L (mm)	PCS
58353	PZ-1	25	1
66611			5
66717			10

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COD.		L (mm)	PCS
55215	PZ-1	25	125
58354	PZ-2		1
66612			5
66718			10
55216			125
58355	PZ-3		1
66613			5
66719			10
55217			125

1/4"



COD.		L (mm)	PCS
58356	PZ-1	50	1
66614			5
66720			10
55218			125
58357	PZ-2		1
66615			5
66721			10
55219			125
58358	PZ-3		1
66616			5
66722			10
55220			125

1/4"

TORX®*



COD.		L (mm)	PCS
58337	T-10	25	1
66617			5
66723			10
55221			125
58338	T-15		1
66618			5
66724			10
55222			125
58339	T-20		1
66619			5
66725			10
55223			125
58340	T-25		1
66620			5
66726			10
55224			125
58341	T-30		1
66621			5
66727			10
55225			125
58342	T-40		1
66622			5
66728			10
55226			125

1/4"

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ADAPTADORES PORTAPUNTAS MAGNÉTICOS / *MAGNETIC BIT HOLDER* / ADAPTATEUR PORTE-EMBOUTS MAGNÉTIQUES / *MAGNETISCHER SCHRAUBENDREHER BITHALTER* / PORTA INSERTI MAGNETICO / *ADAPTADOR PORTA PONTAS MAGNETICO* / МАГНИТНЫЙ ДЕРЖАТЕЛЬ БИТ

INOX

COD.	inch	inch	L (mm)	g		
66261	1/4	1/4	60	20	10	●
55709			150	50	8	

INOX



TIPO "PULL" / *"PULL" TYPE* / TYPE " À TIRER" / *PULL TYP* / TIPO "PULL" / *TIPO "PULL"* / ТИП «ПУЛЛ»

COD.	inch	inch	L (mm)	g		
66262	1/4	1/4	60	30	10	●

INOX



TIPO "PUSH" / *"PUSH" TYPE* / TYPE "Á POUSSER" / *PUSH TYP* / TIPO "PUSH" / *TIPO "PUSH"* / ТИП «ПУШ»

COD.	inch	inch	L (mm)	g		
66263	1/4	1/4	60	30	10	●

INOX



AUTOMÁTICO TIPO "PULL" / *AUTOMATIC "PULL" TYPE* / AUTOMATIQUE TYPE "À TIRER" / *AUTOMATISCH PULL TYP* / TIPO "PULL" AUTOMATICO / *AUTOMÁTICO TIPO "PULL"* / АВТОМАТИЧЕСКИЙ «ПУЛ» ТИП

COD.	inch	inch	L (mm)	g		
66264	1/4	1/4	75	35	10	●

INOX



SET

COD.	PCS.	Composición / *Composition* / Composition		g	
66941	33	PH1 (6) -PH2 (10) -PH3 (4) -PZ1 (4) -PZ2 (6) -PZ3 (2)	66261	250	1
66942		PH1 (2) -PH2 (2) -PH3 (1) -PZ1 (2) -PZ2 (2) -PZ3 (1) -T10 (1) -T15 (1) -T20 (1) -T25 (1) -T27 (1) -T30 (1) -T40 (1) - 4,5 x 0,6 (2) - 5,5 x 0,8 (2) - 6,5 x 1,2 (2) - 8 x 1,6 (2) mm - HEX3 (2) - HEX4 (2) - HEX5 (2) - HEX6 (1)			
66943		T5 (2) - T6 (3) - T7 (3) - T8 (3) - T9 (3) - T10 (3) - T15 (3) - T20 (3) - T25 (3) - T27 (2) - T30 (2) - T40 (2)			



COD.	PCS.	Composición / *Composition* / Composition		g	
66944	31	3 x 0,5 (1) - 4,5 x 0,6 (1) - 5,5 x 0,8 (1) - 5,5 x 1 (1) - 6,5 x 1,2 (1) - 8 x 1,6 (1) mm - HEX1,5 (1) - HEX2 (1) - HEX3 (1) - HEX4 (1) - HEX5 (1) - HEX6 (1) - HEX7 (1) - HEX8 (1) - T6 (1) - T7 (1) - T8 (1) - T9 (1) - T10 (1) - T15 (1) - T20 (1) - T25 (1) - T27 (1) - T30 (1) - PH1 (1) - PH2 (1) - PH3 (1) - PZ1 (1) - PZ2 (1) - PZ3 (1)	66262	240	1
66945		PH0 (2) - PH1 (4) - PH2 (6) - PH3 (4) - PH4 (2) - PZ0 (1) - PZ1 (3) - PZ2 (4) - PZ3 (3) - PZ4 (1)			
66946		T5 (2) - T6 (3) - T7 (3) - T8 (3) - T9 (3) - T10 (3) - T15 (3) - T20 (2) - T25 (2) - T27 (2) - T30 (2) - T40 (2)			
66947		PH1 (3) - PH2 (3) - PH3 (3) - PZ1 (3) - PZ2 (3) - PZ3 (3) - T10 (2) - T15 (2) - T20 (2) - T25 (2) - T30 (2) - T40 (2)			



COD.	PCS.	Composición / *Composition* / Composition		g	
66948	10	5,5 x 1 (1) - 6,5 x 1,2 (1) mm - PH1 (1) - PH2 (2) - PH3 (1) - PZ1 (1) - PZ2 (1) - PZ3 (1)	66261	120	1
66949		T7 (1) - T8 (1) - T9 (1) - T10 (1) - T15 (1) - T20 (1) - T25 (1) - T27 (1) - T30 (1)			
66950		PH1 (1) - PH2 (1) - PH3 (1) - PZ1 (1) - PZ2 (1) - PZ3 (1) - T15 (1) - T20 (1) - T30 (1)			
66951		PH1 (2) - PH2 (2) - PH3 (2) - PZ1 (1) -PZ2 (1) -PZ3 (1)			
66952		PH1 (2) - PH2 (2) - PH3 (2) - PZ1 (1) - PZ2 (1) - PZ3 (1)			



COD.	PCS.	Composición / *Composition* / Composition		g	
66953	9	PH1 (1) - PH2 (1) - PH3 (1) - PZ1 (1) - PZ2 (1) - PZ3 (1) - 4 x 0,8 (1) (50 mm) - 5,5 x 1 (1) (50 mm) mm	66261	140	1
66954		3 x 0,5 (1) - 4,5 x 0,6 (1) - 5,5 x 0,8 (1) - 5,5 x 1 (1) - 6,5 x 1,2 (1) - 8 x 1,6 (1) - 4 x 0,8 (1) (50 mm) - 5,5 x 1 (1) (50 mm) mm			
66955		T6 (1) - T7 (1) - T8 (1) - T9 (1) - T10 (1) - T15 (1) - T20 (1) (50 mm)- T25 (1) (50 mm)			
66956		PH1 (1) - PH2 (1) - PH3 (1) - PZ1 (1) - PZ2 (1) - PZ3 (1) - PH2 (1)(50 mm)- PZ2 (1) (50 mm)			



NEW

COD.	PCS.	g	
56069	35	750	1

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	66732	Destornillador portavasos / *Socket holder*	1/4"
	65846	Adaptador con retén de bola / *Ball retainer adapter*	
33	66942	Set puntas / *Bits set*	PH1 (2) -PH2 (2) -PH3 (1) -PZ1 (2) -PZ2 (2) -PZ3 (1) -T10 (1) -T15 (1) -T20 (1) -T25 (1) -T27 (1) -T30 (1) -T40 (1) - 4,5 x 0,6 (2) - 5,5 x 0,8 (2) - 6,5 x 1,2 (2) - 8 x 1,6 (2) mm - HEX3 (2) - HEX4 (2) - HEX5 (2) - HEX6 (1)



EGA Master
ART IN INNOVATION

EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ



COD. 55645

PCS.	COD. PCS.		PCS
14	66121	3 x 0,5 mm - 25 mm	5
	66122	4,5 x 0,6 mm - 25 mm	
	66124	5,5 x 1 mm - 25 mm	
	66125	6,5 x 1,2 mm - 25 mm	
	66126	8 x 1,6 mm - 25 mm	
	66133	PH-0 - 25 mm	
	66134	PH-1 - 25 mm	
	66135	PH-2 - 25 mm	
	66136	PH-3 - 25 mm	
	66137	PH-4 - 30 mm	

COD. 55646

PCS.	COD. PCS.		PCS
14	66138	PZ-0 - 25 mm	5
	66139	PZ-1 - 25 mm	
	66140	PZ-2 - 25 mm	
	66141	PZ-3 - 25 mm	
	66142	PZ-4 - 30 mm	
	66147	HEX. 3 mm - 25 mm	
	66148	HEX. 4 mm - 25 mm	
	66149	HEX. 5 mm - 25 mm	
	66172	HEX. 6 mm - 25 mm	
	66173	HEX. 8 mm - 25 mm	

COD. 55647

PCS.	COD. PCS.		PCS
12	66127	3 x 0,5 mm - 50 mm	5
	66129	4 x 0,8 mm - 50 mm	
	66130	5,5 x 1 mm - 50 mm	
	66131	6,5 x 1,2 mm - 50 mm	
	66132	8 x 1,6 mm - 50 mm	
	68877	PH-0 - 50 mm	
	68878	PH-1 - 50 mm	
	68879	PH-2 - 50 mm	
	68880	PH-3 - 50 mm	
	68881	PH-4 - 50 mm	

COD. 55648

PCS.	COD. PCS.		PCS
12	68882	PZ-0 - 50 mm	5
	68883	PZ-1 - 50 mm	
	68884	PZ-2 - 50 mm	
	68885	PZ-3 - 50 mm	
	68886	PZ-4 - 50 mm	
	66174	HEX. 3 mm - 50 mm	
	66175	HEX. 4 mm - 50 mm	
	66176	HEX. 5 mm - 50 mm	
	66177	HEX. 6 mm - 50 mm	
	66178	HEX. 8 mm - 50 mm	

COD.			
55649	Bandejas / *Trays* / Plateaux	4	

N.º / *No.* / Nro.	PCS.	COD. PCS.		PCS
1	14	66121	3 x 0,5 - 25 mm	5
		66122	4,5 x 0,6 - 25 mm	
		66124	5,5 x 1 - 25 mm	
		66125	6,5 x 1,2 - 25 mm	
		66126	8 x 1,6 - 25 mm	
2		66133	PH-0 - 25 mm	
		66134	PH-1 - 25 mm	
		66135	PH-2 - 25 mm	
		66136	PH-3 - 25 mm	
		66137	PH-4 - 30 mm	
		66138	PZ-0 - 25 mm	
		66139	PZ-1 - 25 mm	
		66140	PZ-2 - 25 mm	
		66141	PZ-3 - 25 mm	
		66142	PZ-4 - 30 mm	
		66147	HEX. 3 mm - 25 mm	
		66148	HEX. 4 mm - 25 mm	
		66149	HEX. 5 mm - 25 mm	
		66172	HEX. 6 mm - 25 mm	
		66173	HEX. 8 mm - 25 mm	
3	12	66127	3 X 0,5 - 50 mm	
		66129	4 X 0,8 - 50 mm	
		66130	5,5 X 1 - 50 mm	
		66131	6,5 X 1,2 - 50 mm	
		66132	8 X 1,6 - 50 mm	
4		68877	PH-0 - 50 mm	
		68878	PH-1 - 50 mm	
		68879	PH-2 - 50 mm	
		68880	PH-3 - 50 mm	
		68881	PH-4 - 50 mm	
		68882	PZ-0 - 50 mm	
		68883	PZ-1 - 50 mm	
		68884	PZ-2 - 50 mm	
		68885	PZ-3 - 50 mm	
		68886	PZ-4 - 50 mm	
		66174	HEX. 3 mm - 50 mm	
		66175	HEX. 4 mm - 50 mm	
		66176	HEX. 5 mm - 50 mm	
		66177	HEX. 6 mm - 50 mm	
		66178	HEX. 8 mm - 50 mm	



DESTORNILLADOR DE GOLPE / *IMPACT SCREWDRIVER* / TOURNEVIS À FRAPPER / *SCHLAGSCHRAUBENDREHER* / CACCIAVITE IMPAC / *CHAVE DE IMPACTO* / ОТВЕРТКА УДАРНАЯ

COD.	AF inch	inch	N.m	L x H (mm)		Kg	
55296	1/2	5/16	120	140 x 32	190 x 70 x 35	1,0	1



MASTERBIT IMPACT 5/16"

PLANA / *FLAT* / À FENTE / *FLACH* / PIATTA / *PLANA* / ПЛОСКАЯ



COD.	mm	L (mm)	PCS
55266	5,5 x 0,8	30	5
55267	6,5 x 1,2		
55268	8 x 1,2		
55269	8 x 1,6		
55270	10 x 1,6		
55271	12 x 2		
55272	14 x 2,5		

5/16"

PHILLIPS®*



COD.		L (mm)	PCS
55273	PH1	30	5
55274	PH2		
55275	PH3		
55276	PH4		

5/16"

POZIDRIV®*



COD.		L (mm)	PCS
55277	PZ1	30	5
55278	PZ2		
55279	PZ3		
55280	PZ4		

5/16"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ



COD.	mm	L (mm)	PCS
55281	4	30	5
55282	5		
55283	6		
55284	8		
55285	10		
55286	12		

5/16"

TORX®*



COD.		L (mm)	PCS
55287	T20	30	5
55288	T25		
55289	T27		
55290	T30		
55291	T40		
55292	T45		
55293	T50		
55294	T55		

5/16"

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
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PUNTAS ATORNILLADORAS CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHLÜSSELEINSATZ* / INSERTI A BUSSOLA / *PONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

1/4"

PLANA / *FLAT* / À FENTE / *FLACH* / PIATTA / *PLANA* / ПЛОСКАЯ

COD.	mm	L (mm)	g		
66733	0,8 x 4	37	15	10	●
66734	1 x 5,5				
66735	1,2 x 6,5				
66736	1,2 x 8				



PLANA SERIE LARGA / *SLOTTED LONG* / À FENTE SÉRIE LONGUE / *LANG GESCHLITZT* / PIATTA SERIE LUNGA / *FENDA SÉRIE LONGA* / ПЛОСКАЯ ВЫСОКАЯ СЕРИЯ

COD.	mm	L (mm)	g		
53015	0,8 x 4	50	18	10	●
53016	1 x 5,5				
53017	1,2 x 6,5				



PHILLIPS®*

COD.		L (mm)	g		
66737	PH-1	37	15	10	●
66738	PH-2				
66739	PH-3				
58900	PH-4				



PHILLIPS®* SERIE LARGA / *PHILLIPS®* LONG* / PHILLIPS®* SÉRIE LONGUE / *PHILLIPS®* LANGE SERIE* / PHILLIPS®* SERIE LUNGA / *PHILLIPS®* SÉRIE LONGA* / PHILLIPS®* ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g		
53019	PH-1	50	18	10	●
53020	PH-2				
53021	PH-3				



POZIDRIV®*

COD.		L (mm)	g		
66740	PZ-1	37	15	10	●
66741	PZ-2				
66742	PZ-3				



BE SAFE...BE EFFICIENT

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- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

POZIDRIV®* SERIE LARGA / *POZIDRIV®* LONG* / POZIDRIV®* SÉRIE LONGUE / *POZIDRIV®* LANGE SERIE* / POZIDRIV®* SERIE LUNGA / *POZIDRIV®* SÉRIE LONGA* / POZIDRIV®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53023	PZ-1	50	18	10	●
53024	PZ-2				
53025	PZ-3		19		

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	g		
55697	1,5	37	15	10	●
55698	2				
53013	2,5				
66743	3				
55699	3,5				
66744	4				
66745	5				
55700	5,5				
66746	6				
67164	7				
66747	8				

INCH



COD.	inch	L (mm)	g		
55670	1/16	37	15	10	●
55671	5/64				
55672	3/32				
55673	7/64				
55674	1/8				
55675	9/64				
55676	5/32				
55677	3/16				
55678	7/32				
55679	1/4				

HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ

MM



COD.	mm	L (mm)	g		
53041	1,5	50	19	10	●
53042	2				
53043	2,5				
53044	3				
53045	4				
53046	5		20		
53047	5,5				
53048	6		22		
53049	7		23		
53050	8				

INCH.



COD.	inch	L (mm)	g		
53051	1/16	50	19	10	●
53052	5/64				
53053	3/32				

COD.	inch	L (mm)	g		
53054	7/64	50	19	10	●
53055	1/8				
53056	9/64				
53057	5/32				
53058	3/16				
53059	7/32				
53060	1/4				

TORX®*



COD.		L (mm)	g		
66729	T-6	37	15	15	●
66730	T-7				
66748	T-8				
66749	T-9				
66750	T-10				
66751	T-15			10	
66752	T-20				
66753	T-25				
66754	T-27				
66755	T-30				
66756	T-40				

TORX®* SERIE LARGA / *TORX®* LONG* / TORX®* SÉRIE LONGUE / *TORX®* LANGE SERIE* / TORX®* SERIE LUNGA / *TORX®* SÉRIE LONGA* / TORX®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53027	T-6	50	18	10	●
53028	T-7				
53029	T-8				
53030	T-9				
53031	T-10				
53032	T-15		19		

TAMPER TORX



COD.		L (mm)	g		
53000	TT6	37	14	10	●
53001	TT7				
53002	TT8				
53003	TT9				
53004	TT10				
53005	TT15				
53006	TT20				
53007	TT25				
53008	TT27				
53009	TT30		15		
53010	TT35				
53011	TT40		16		

TAMPER TORX SERIE LARGA / *TAMPER TORX LONG* / TAMPER TORX SÉRIE LONGUE / *TAMPER TORX LANGE SERIE* / TAMPER TORX SERIE LUNGA / *TAMPER TORX SÉRIE LONGA* / TAMPER TORX ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53034	TT-6	50	18	10	●
53035	TT-7				
53036	TT-8				
53037	TT-9				
53038	TT-10				

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

COD.		L (mm)	g		
53039	TT-15	50	18	10	●

SET

COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
66757	1/4	12	250	1	66733, 66734, 66735, 66736, 66737, 66738, 66739, 66743, 66744, 66745, 66746, 66747	0,8 x 4 - 1 x 5,5 - 1,2 x 6,5 - 1,2 x 8 mm - PH-1 - PH-2 - PH-3 - HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-8
66758					66733, 66734, 66735, 66736, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747	0,8 x 4 - 1 x 5,5 - 1,2 x 6,5 - 1,2 x 8 mm - PZ-1 - PZ-2 - PZ-3 - HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-8
66759		9	200		66748, 66749, 66750, 66751, 66752, 66753, 66754, 66755, 66756	T-8 - T-9 - T-10 - T-15 - T-20 - T-25 - T-27 - T-30 - T-40



3/8"

PLANA / *FLAT* / À FENTE / *FLACH* / PIATTA / *PLANA* / ПЛОСКАЯ

COD.	mm	L (mm)	g		
66760	1 x 5,5	48	35	10	●
66761	1,2 x 6,5				
66762	1,2 x 8				
66763	1,5 x 8				
66764	1,6 x 10				



PLANA SERIE LARGA / *SLOTTED LONG* / À FENTE SÉRIE LONGUE / *LANG GESCHLITZT* / PIATTA SERIE LUNGA / *FENDA SÉRIE LONGA* / ПЛОСКАЯ ВЫСОКАЯ СЕРИЯ

COD.	mm	L (mm)	g		
53078	1,2 x 6,5	100	46	10	●
53079	1,2 x 8				
53080	1,6 x 10				



PHILLIPS®*

COD.		L (mm)	g		
66765	PH-1	48	35	10	●
66766	PH-2				
66767	PH-3				



PHILLIPS®* SERIE LARGA / *PHILLIPS®* LONG* / PHILLIPS®* SÉRIE LONGUE / *PHILLIPS®* LANGE SERIE* / PHILLIPS®* SERIE LUNGA / *PHILLIPS®* SÉRIE LONGA* / PHILLIPS®* ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g		
53082	PH-1	100	46	10	●
53083	PH-2				
53084	PH-3		47		



POZIDRIV®*

COD.		L (mm)	g		
66768	PZ-1	48	35	10	●
66769	PZ-2				
66770	PZ-3				



- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

POZIDRIV®* SERIE LARGA / *POZIDRIV®* LONG* / POZIDRIV®* SÉRIE LONGUE / *POZIDRIV®* LANGE SERIE* / POZIDRIV®* SERIE LUNGA / *POZIDRIV®* SÉRIE LONGA* / POZIDRIV®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53086	PZ-0	100	46	10	•
53087	PZ-1				
53088	PZ-2				
53089	PZ-3				

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	g		
66771	3	48	35	10	•
55701	3,5				
66772	4				
66773	5				
55702	5,5				
66774	6				
66775	7				
66776	8				
55703	9,5				
66777	10				

INCH



COD.	inch	L (mm)	g		
55680	1/8	48	35	10	•
55681	9/64				
55682	5/32				
55683	3/16				
55684	7/32				
55685	1/4				
55686	5/16				
55687	3/8				

HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ

MM



COD.	mm	L (mm)	g		
66778	4	92	70	10	•
66779	5				
66780	6				
66781	8				
66782	10				

INCH



COD.	inch	L (mm)	g		
56975	1/8	100	90	10	•
56976	9/64				
56977	5/32		95		
56978	3/16		100		
56979	7/32		110		
56980	1/4		115		
56981	5/16		170		
56982	3/8		235		

• *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

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ISO 14001:2015
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HEXAGONAL PUNTA DE BOLA SERIE LARGA / *HEXAGONAL BALL POINT LONG SERIE* / HEXAGONALE EMBOUT SPHÉRIQUE SÉRIE LONGUE / *HEXAGONAL KUGELKOPF LANG* / ESAGONALE TESTA SFERICA SERIE LUNGO / *HEXAGONAL PONTA ESFERICA SÉRIE LONGA* / ШЕСТИГРАННАЯ С ШАРОВОЙ ГОЛОВКОЙ ДЛИННАЯ



COD.	mm	L (mm)	g		
66783	4	92	70	10	●
66784	5				
66785	6				
66786	8				
66787	10				

TORX®*



COD.		L (mm)	g		
66788	T-10	48	35	10	●
66789	T-15				
66790	T-20				
66791	T-25				
66792	T-27				
66793	T-30				
58891	T-35				
66794	T-40				
66795	T-45				
66796	T-50				
53063	T-60				

TORX®* SERIE LARGA / *TORX®* LONG* / TORX®* SÉRIE LONGUE / *TORX®* LANGE SERIE* / TORX®* SERIE LUNGA / *TORX®* SÉRIE LONGA* / TORX®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
58173	T-15	75	55	10	●
58174	T-20				
58175	T-25				
58176	T-27				
58177	T-30				
58178	T-40				

COD.		L (mm)	g		
53091	T-10	90	46	10	●
53092	T-15				
53093	T-17				
53094	T-20				
58892	T-25				
53096	T-27				
58893	T-30		47		
58894	T-35		60		
58895	T-50				

TAMPER TORX



COD.		L (mm)	g		
53065	TT-10	48	32	10	●
53066	TT-15				
53067	TT-20		33		
53068	TT-25				
53069	TT-27				
53070	TT-30				
53071	TT-35		34		
53072	TT-40				
58896	TT-45		39		
53074	TT-50				

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

COD.		L (mm)	g		
53075	TT-55	48	39	10	●
53076	TT-60		50		

TAMPER TORX SERIE LARGA / *TAMPER TORX LONG* / TAMPER TORX SÉRIE LONGUE / *TAMPER TORX LANGE SERIE* / TAMPER TORX SERIE LUNGA / *TAMPER TORX SÉRIE LONGA* / TAMPER TORX ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53098	TT-10	100	46	10	●
53099	TT-15				
53101	TT-20		47		
53102	TT-25				
53103	TT-27				
58897	TT-45		110		

SET



COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
66797	3/8	11	450	1	66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770	1 x 5,5 - 1,2 x 6,5 - 1,2 x 8 - 1,5 x 8 - 1,6 x 10 mm - PH-1 - PH-2 - PH-3 - PZ-1 - PZ-2 - PZ-3
66798		12	650		66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782	HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-7 - HEX-8 - HEX-10 - HEX-4(L) - HEX-5(L) - HEX-6(L) - HEX-8(L) - HEX-10(L)
66799					66771, 66772, 66773, 66774, 66775, 66776, 66777, 66783, 66784, 66785, 66786, 66787	HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-7 - HEX-8 - HEX-10 - HEX-4(L-B) - HEX-5(L-B) - HEX-6(L-B) - HEX-8(L-B) - HEX-10(L-B)
66800		9	350		66788, 66789, 66790, 66791, 66792, 66793, 66794, 66795, 66796	T-10 - T-15 - T-20 - T-25 - T-27 - T-30 - T-40 - T-45 - T-50

1/2"

PLANA / *FLAT* / À FENTE / *FLACH* / PIATTA / *PLANA* / ПЛОСКАЯ



COD.	mm	L (mm)	g		
66801	1,2 x 8	62	75	10	●
66802	1,6 x 10				
66803	2 x 12				

PLANA SERIE LARGA / *SLOTTED LONG* / À FENTE SÉRIE LONGUE / *LANG GESCHLITZT* / PIATTA SERIE LUNGA / *FENDA SÉRIE LONGA* / ПЛОСКАЯ ВЫСОКАЯ СЕРИЯ



COD.	mm	L (mm)	g		
53127	1,2 x 8	100	100	10	●
53128	1,6 x 10				
53129	2,0 x 12		125		

PHILLIPS®*



COD.		L (mm)	g		
53105	PH-1	56	70	10	●
66804	PH-2				
66805	PH-3				
66806	PH-4				

PHILLIPS®* SERIE LARGA / *PHILLIPS®* LONG* / PHILLIPS®* SÉRIE LONGUE / *PHILLIPS®* LANGE SERIE* / PHILLIPS®* SERIE LUNGA / *PHILLIPS®* SÉRIE LONGA* / PHILLIPS®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53131	PH-1	100	100	10	●
53132	PH-2				
53133	PH-3				

• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

COD.		L (mm)	g		
53134	PH-4	100	100	10	●

POZIDRIV®*

COD.		L (mm)	g		
53107	PZ-1	55	70	10	●
53108	PZ-2				
53109	PZ-3				
53110	PZ-4				



POZIDRIV®* SERIE LARGA / *POZIDRIV®* LONG* / POZIDRIV®* SÉRIE LONGUE / *POZIDRIV®* LANGE SERIE* / POZIDRIV®* SERIE LUNGA / *POZIDRIV®* SÉRIE LONGA* / POZIDRIV®* ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g		
53136	PZ-1	100	100	10	●
53137	PZ-2				
53138	PZ-3				
53139	PZ-4		105		



HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM

COD.	mm	L (mm)	g		
66807	4	55	75	10	●
66808	5				
55704	5,5				
66809	6				
66810	7				
66811	8				
67213	9				
55705	9,5				
66812	10				
67214	11				
66813	12		80		
55706	13		95		
66814	14				
55708	17		150		
55707	19				



INCH

COD.	inch	L (mm)	g		
55688	7/32	55	75	10	●
55689	1/4				
55690	5/16				
55691	3/8				
55692	7/16		80		
55693	1/2		95		
55695	5/8		115		
55696	3/4		120		



- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ

MM



COD.	mm	L (mm)	g		
66815	5	100	75	10	●
66816	6				
66817	7				
66818	8				
66819	10				
66842	14				

INCH



COD.	inch	L (mm)	g		
56985	7/32	100	90	10	●
56986	1/4				
56987	5/16		95		
56988	3/8		100		
56989	7/16		110		
56990	1/2		115		
56991	9/16		170		
56992	5/8		235		
56993	3/4		350		

XZN



COD.		L (mm)	g		
66820	M-5	55	75	10	●
66821	M-6				
66822	M-8				
66823	M-10				
66824	M-12		85		
66825	M-14		105		
56896	M-16		140		

XZN SERIE LARGA / *XZN LONG* / XZN SÉRIE LONGUE / *XZN LANG* / XZN SERIE LUNGO / *XZN SÉRIE LONGA* / XZN ДЛИННАЯ



COD.		L (mm)	g		
66826	M-6	100	100	10	●
66827	M-8				
66828	M-10		120		
66829	M-12		160		
56897	M-14		165		

TORX®*



COD.		L (mm)	g		
66830	T-20	55	80	10	●
66831	T-25				
66832	T-27				
66833	T-30				
53112	T-35				
66834	T-40				
66835	T-45				
66836	T-50				
66837	T-55				
56895	T-60				

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

COD.		L (mm)	g		
53113	T-70	55	80	10	●

TORX®* SERIE LARGA / *TORX®* LONG* / TORX®* SÉRIE LONGUE / *TORX®* LANGE SERIE* / TORX®* SERIE LUNGA / *TORX®* SÉRIE LONGA* / TORX®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53141	T-20	100	100	10	●
53142	T-25				
53143	T-27				
53144	T-30				
53145	T-35				
66838	T-40				
66839	T-45				
66840	T-50		110		
66841	T-55				
53146	T-60		125		
53147	T-70		165		

TAMPER TORX



COD.		L (mm)	g		
53115	TT-20	55	70	10	●
53116	TT-25				
53117	TT-27				
53118	TT-30				
53119	TT-35				
53120	TT-40				
53121	TT-45				
53122	TT-50		75		
53123	TT-55				
53124	TT-60		85		
53125	TT-70		110		

TAMPER TORX SERIE LARGA / *TAMPER TORX LONG* / TAMPER TORX SÉRIE LONGUE / *TAMPER TORX LANGE SERIE* / TAMPER TORX SERIE LUNGA / *TAMPER TORX SÉRIE LONGA* / TAMPER TORX ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53149	TT-20	100	100	10	●
53150	TT-25				
53151	TT-27				
53152	TT-30				
53153	TT-35				
53154	TT-40				
53155	TT-45				
53156	TT-50		105		
53157	TT-55				
53158	TT-60		125		
53159	TT-70		165		

PUNTA RIBE®* CON VASO / *RIBE®* BIT SOCKETS* / POINTE RIBE®* AVEC DOUILLE / *RIBE®* SOCKETBIT* / CHIAVI A BUSSOLA PUNTA RIBE®* / *PONTEIRA RIBE®* COM CHAVE DE CAIXA* / ГОЛОВКА ТОРЦЕВАЯ СО ВСТАВКОЙ С ПРОФИЛЕМ RIBE®*



COD.		L (mm)	g		
65985	M5	100	90	10	●
65986	M6				
65987	M7				
65988	M8		95		

- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)
- *Para tornillos RIBE® (Marca registrada por Richard Bergner Verbindungstechnik GmbH & Co. KG) / **For screws RIBE® (Richard Bergner Verbindungstechnik GmbH & Co. KG registered trademark)* / *Pour vis RIBE® (Marque enregistrée par Richard Bergner Verbindungstechnik GmbH & Co. KG)

COD.		L (mm)	g		
65989	M9	100	100	10	●
65990	M10		110		
65991	M12		150		
65992	M14		180		
65993	M16		200		

SET



COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
55993	1/2	12	900	1	66801, 66802, 66803, 66804, 66805, 66806, 66807, 66808, 66809, 66811, 66812, 66813	1,2 x 8 - 6 x 10 - 2 x 12 mm - PH-2, PH-3, PH-4 - HEX-4 - HEX-5 - HEX-6 - HEX-8 - HEX-10 - HEX-12
55994			1000		66807, 66808, 55704, 66809, 66810, 66811, 55705, 66812, 66813, 55706, 66814, 55707	HEX-4 - HEX-5 - HEX-5,5 - HEX-6 - HEX-7 - HEX-8 - HEX-9,5 - HEX-10 - HEX-12 - HEX-13 - HEX-14 - HEX-19

COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
56179	1/2	9	950	1	65985, 65986, 65987, 65988, 65989, 65990, 65991, 65992, 65993	M5-M6-M7-M8-M9-M10-M12-M14-M16 / *M5-M6-M7-M8-M9-M10-M12-M14-M16*

COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
55998	1/2	8	750	1	55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696	HEX-7/32" - HEX-1/4" - HEX-5/16" - HEX-3/8" - HEX 7/16" - HEX-1/2" - HEX-5/8" - HEX-3/4"
55995			650		66830, 66831, 66832, 66833, 66834, 66835, 66836, 66837	T-20 - T-25 - T-27 - T-30 - T-40 - T-45 - T-50 - T-55

3/4"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ



COD.	mm	L (mm)	g		
53167	14	80	310	10	●
53168	17		330		
53169	19		340		
53170	22		390		

TORX®*



COD.		L (mm)	g		
53161	T-60	80	310	10	●
53162	T-70				
53163	T-80		320		
53164	T-90				
53165	T-100		350		

- *Para tornillos RIBE® (Marca registrada por Richard Bergner Verbindungstechnik GmbH & Co. KG) / **For screws RIBE® (Richard Bergner Verbindungstechnik GmbH & Co. KG registered trademark)* / *Pour vis RIBE® (Marque enregistrée par Richard Bergner Verbindungstechnik GmbH & Co. KG)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

PUNTAS ATORNILLADORAS DE IMPACTO CON VASO / *IMPACT SOCKET BITS* / EMBOUTS DE VISSAGE CHOCS À DOUILLE / *STECKSCHLÜSSEL BITS* / INSERTI A BUSSOLA IMPACT / *PONTAS APARAFUSADORAS DE IMPACTO COM CHAVE DE CAIXA* / ГОЛОВКИ-БИТЫ УДАРНЫЕ

3/8"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	g		
65920	3	78	45	10	●
65921	4		50		
65922	5				
65923	6		55		
65924	8		65		
65925	10		85		
65926	12		100		
65927	14		120		

INCH.



COD.	inch	L (mm)	g		
53172	3/16	60	50	10	●
53173	7/32				
53174	1/4		70		
53175	9/32		75		
53176	5/16		80		
53177	3/8		90		
53178	7/16				
53179	1/2		100		
53180	9/16		115		
53181	5/8		120		

TORX®*



COD.		L (mm)	g		
65928	T-25	60	40	10	●
65929	T-27				
65930	T-30		45		
65931	T-40				
65932	T-45		50		
65933	T-50		55		
65934	T-55		65		
65935	T-60		75		

1/2"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	g		
65936	4	78	80	10	●
65937	5		85		
65938	6				
53183	7		95		
65939	8				
53184	9		105		
65940	10		110		
65941	11		120		
65942	12		125		
53185	13		135		

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

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Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

COD.	mm	L (mm)	g		
65943	14	78	140	10	●
53186	15				
65944	17		170		
53187	18				
65945	19		200		

INCH.



COD.	inch	L (mm)	g		
53188	3/16	78	90	10	●
53189	7/32				
53190	1/4				
53191	9/32		95		
53192	5/16		100		
53193	3/8		120		
53194	7/16		130		
53195	1/2				
53196	9/16		140		
53197	5/8				
53198	11/16		150		
53199	3/4		210		

HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ



COD.	mm	L (mm)	g		
58660	5	170	260	10	●
58661	6		270		
58662	8		345		
58663	10		350		
58664	12		420		
58665	14		430		

TORX®*



COD.		L (mm)	g		
65946	T-25	78	75	10	●
65947	T-27				
65948	T-30		80		
65949	T-40				
65950	T-45		85		
65951	T-50		90		
65952	T-55		110		
65953	T-60		120		

3/4"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	g		
58731	10	100	490	10	●
58732	12		500		
58733	14				
58734	17		550		
58735	19		600		
58736	22				

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COD.	mm	L (mm)	g		
58737	24	100	700	10	●
58738	27				
58739	30		850		
58740	32				

INCH.



COD.	inch	L (mm)	g		
53201	3/8	100	480	10	●
53202	7/16		500		
53203	1/2				
53204	9/16				
53205	5/8		550		
53206	11/16				
53207	3/4		600		
53208	13/16				
53209	7/8				
53210	1		700		
53211	1.1/16				
53212	1.1/8		750		
53213	1.3/16		800		
53214	1.1/4		850		

TORX®*



COD.		L (mm)	g		
53216	T-50	100	500	10	●
53217	T-55		550		
53218	T-60		600		
53219	T-70				
53220	T-80		700		
53221	T-90				
53222	T-100		850		

1"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	g		
58741	10	100	700	10	●
58742	12				
58743	14				
58744	17		750		
58745	19		800		
58746	22		850		
58747	24		900		
58748	27		950		
58749	30		1050		
58750	32		1250		

INCH.



COD.	inch	L (mm)	g		
53234	3/8	100	700	10	●
53235	7/16				
53236	1/2				

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COD.	inch	L (mm)	g		
53237	9/16	100	750	10	●
53238	5/8				
53239	11/16		800		
53240	3/4				
53241	13/16		850		
53242	7/8				
53243	1		900		
53244	1.1/16		950		
53245	1.1/8				
53246	1.3/16		1000		
53247	1.1/4		1050		

TORX®*



COD.		L (mm)	g		
53249	T-50	100	700	10	●
53250	T-55		750		
53251	T-60		850		
53252	T-70		900		
53253	T-80		950		
53254	T-90		1050		
53255	T-100		1150		

1.1/2"

HEXAGONAL / *HEXAGONAL* / **HEXAGONALE** / *HEXAGONAL* / **ESAGONALE** / *HEXAGONAL* / **ШЕСТИГРАННАЯ**

MM



COD.	mm	L (mm)	Kg		
53257	17	105	2,3	1	-
53258	18	110	2.3		
53259	19		2,3		
53260	20				
53261	21				
53262	22				
53263	23		2,4		
53264	24				
53265	25		2,5		
53266	26				
53267	27				
53268	28	115	2,6		
53269	29				
53270	30				
53271	31		2,7		
53272	32				
53273	33		2,8		
53274	34	120			
53275	35				
53276	36				
53277	37		2,9		
53278	38				
53279	39	125	3,0		
53280	40				
53281	41		3,1		
53282	42		3,3		
53283	43				
53284	44	130	3,4		
53285	45				

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COD.	mm	L (mm)	Kg		
53286	46	130	3,4		
53287	50	135	3,9	1	-
53288	55	140	4,5		

INCH.



COD.	inch	L (mm)	Kg		
53289	11/16	105	2,3		
53290	3/4	110			
53291	13/16				
53292	7/8				
53293	15/16		2,4		
53294	1		2,5		
53295	1.1/16				
53296	1.1/8	115	2,6		
53297	1.3/16				
53298	1.1/4		2,7		
53299	1.5/16		2,8	1	-
53300	1.3/8	120			
53301	1.7/16				
53302	1.1/2		2,9		
53303	1.9/16	125	3,0		
53304	1.5/8		3,1		
53305	1.11/16		3,3		
53306	1.3/4	130	3,4		
53307	1.13/16				
53308	1.7/8		3,7		
53309	1.15/16	135	3,8		
53310	2		3,9		
53311	2.3/16	140	4,5		



7

LLAVES AJUSTABLES
ADJUSTABLE WRENCHES
CLÉS À MOLETTE
ROLLGABELSCHLÜSSEL
CHIAVI REGOLABILI A RULLINO
CHAVES AJUSTAVEIS
РАЗВОДНЫЕ КЛЮЧИ



7 LLAVE ALAVESA
BASQUE WRENCH
CLÉ BASQUE

Premio a la Innovación
Certamen Metalmaq
Lisboa 2001

Innovation Award
Metalmaq
Lisbon 2001

Prix a l'Innovation
Metalmaq
Lisbonne 2001



Medalla de Oro
Salón Internacional de la Invención
París 2004

Gold Medal
International Inventors Competition
Paris 2004

Medaille d'Or
Salon International de l'Invention
Paris 2004

Premio Especial
Unión Francesa de Inventores
2003

Special Prize
French Inventors Association
2003

Prix Spécial
L'Union Française des Inventeurs
2003

Medalla de Plata
Mundial de la Invención en Innovación
2003

Silver Medal
World Innovation and Invention Congress
2003

Médaille d'Argent
Mondial de l'Invention et d'Innovation
2003

Elegida para la exposición "La Utilidad del Diseño" del **Círculo de Bellas Artes**
2008

*The **Fine Arts Circle of Spain** choses the Basque Wrench for its "Usefulness of Design" exhibition*
2008

Élue pour l'exposition « l'Utilité du Dessin » du **Cercle des Beaux Arts**
2008

EGA Master fabrica la más amplia gama de llaves ajustables del mundo, de distintos tamaños, tipos e innovaciones exclusivas a nivel mundial: ajustables, combi, con acción rápida , con o sin mango Comfort, de moleta lateral, aisladas 1000 V, a izquierdas, de boca ancha, Titacrom® o fosfatadas.

***EGA Master** manufactures the widest range of adjustable wrenches in the world, with all kinds of sizes, types, and exclusive innovations: adjustable, combi, quick action, with or without Comfort handle, with lateral nut, 1000V safety insulated, left turn, wide opening , Titacrom® or phosphated.*

EGA Master fabrique la plus grande gamme de clés à molette au monde, avec toutes sortes de dimensions et avec des innovations exclusives au niveau mondial: ajustables, combi, avec action rapide ou non, avec ou sans manche Comfort, à molette latérale, isolées 1000 v, tourne à gauche, de grande ouverture, Titacrom® ou bruni.

1
Acción rápida para un rápido posicionamiento de la medida.
Quick action system enables fast positioning.
Action rapide pour un positionnement plus simple de la mesure souhaitée.

2
Sistema Combi permite trabajar con elementos poligonales, tubo o tuercas desgastadas.
Combi system for working with polygonal elements, pipes or rounded-off nuts.
Système Combi qui permet de travailler avec des éléments polygonaux, des tubes et des écrous détériores.

3
Máxima apertura y mínimo espesor de bocas para una máxima operatividad.
Maximum opening and minimum jaw thickness for best accessibility.
Ouverture maximum et épaisseur minimum des mâchoires pour une action optimale.

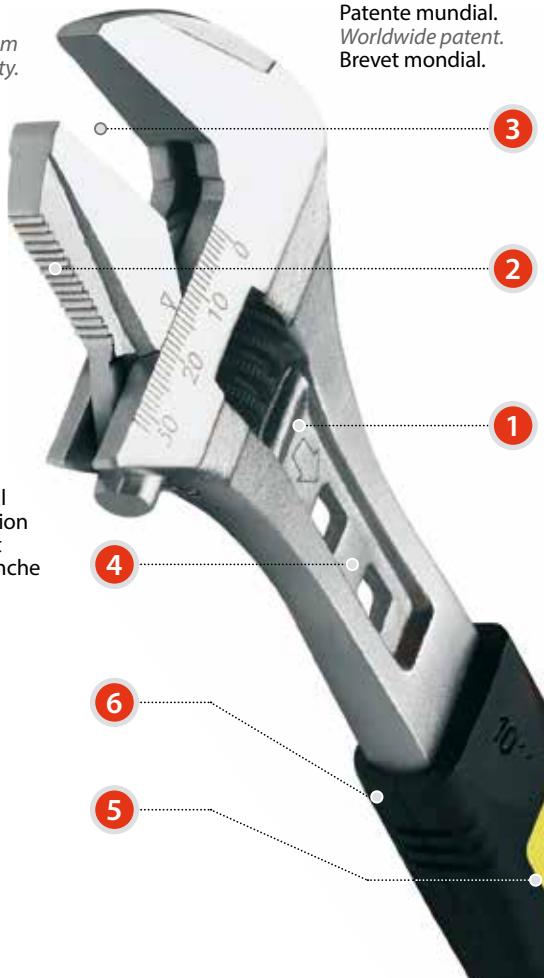
4
TITACROM® - tratamiento superficial especial, resistente a la corrosión y a los golpes y roces, es anti-reflectante y de gran atractivo.
TITACROM® - special surface treatment, rust-proof and anti-chipping off , it is non-reflecting and with very attractive finishing.
TITACROM® - traitement spécial de surface, résistant á la corrosion et aux coups, anti-réfléchissant et de grand attrait avec un manche confortable et anti-dérapant.

5
Mango Comfort bi-componente antideslizante para máxima comodidad y de gran atractivo.
Comfort bi-component anti-slippery handle for best comfortability and great attractive design.
Manche Comfort bi matières anti-dérapant pour une meilleure commodité et une meilleure esthétique.

6
Diseño reforzado para trabajos pesados que multiplica su resistencia al apriete.
Heavy Duty Performance to provide maximum resitance to high torque.
Conception renforcée qui permet une résistance au serrage pour les travaux lourds.

7
Patente mundial.
Worldwide patent.
Brevet mondial.

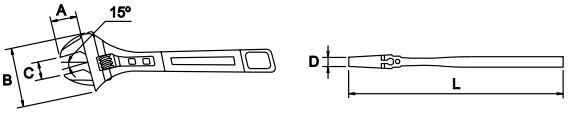




NATO OTAN
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Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

LLAVES AJUSTABLES / *ADJUSTABLE WRENCHES* / CLÉS À MOLETTE / *ROLLGABELSCHLÜSSEL* / CHIAVI REGOLABILI A RULLINO / *CHAVES AJUSTAVEIS* / РАЗВОДНЫЕ КЛЮЧИ

TITACROM®





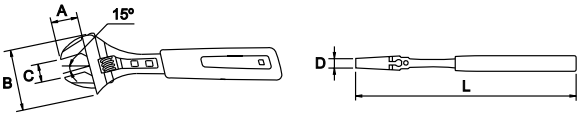
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61109	4	100	13	34	13	5,5	70	12	
61110	6	150	20	47	19	6,5	150		
61111	8	200	25	55	24	7	280	10	●
61112	10	250	30	70	29	8,5	500		
61113	12	300	35	85	33	10	850	8	

TITACROM® | Modelo registrado / *Registered model* / Modèle enregistré

COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61114	15	380	44	105	45	13	1200		
61115	18	450	50	120	55	14	2000	1	●
61116	24	600	60		60	15	3100		
62980	30	750	75	180	85	17	5600		-

TITACROM® | Modelo registrado / *Registered model* / Modèle enregistré

COMFORT





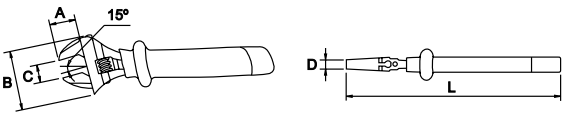
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61906	6	150	20	47	19	6,5	180		
61907	8	200	25	55	24	7	330	6	●
61908	10	250	30	70	29	8,5	600		
61909	12	300	35	85	33	10	900		

TITACROM® *COMFORT* | Modelo registrado / *Registered model* / Modèle enregistré

COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61370	15	375	44	105	45	13	1250		
61371	18	450	50	120	55	14	2050	1	●
61372	24	600	60		62	15	3150		

TITACROM® *COMFORT* | Modelo registrado / *Registered model* / Modèle enregistré

1000V

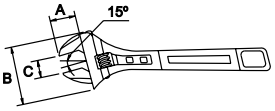


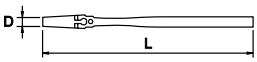


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
76550	6	150	20	47	19	6,5	200		
76551	8	200	25	55	24	7	360	4	●
76552	10	250	30	70	29	8,5	600		
76553	12	300	35	85	33,5	10	950		

TITACROM® 1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ







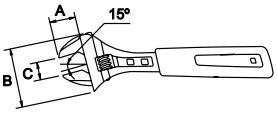
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61136	4	100	13	34	13	5,5	70	12	
61117	6	150	20	47	19	6,5	160		
61118	8	200	25	55	24	7	310	10	●
61119	10	250	30	70	29	8,5	550		
61120	12	300	35	85	33	10	850	8	

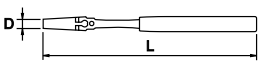
Modelo registrado / *Registered model* / Modèle enregistré

COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61121	15	375	44	105	45	13	1200		
61122	18	450	50	120	55	14	2000	1	●
61123	24	600	60		62	15	3100		

Modelo registrado / *Registered model* / Modèle enregistré

COMFORT







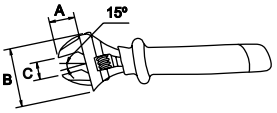
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61898	6	150	20	47	19	6,5	180		
61910	8	200	25	55	24	7	330	6	●
61911	10	250	30	70	29	8,5	600		
61912	12	300	35	85	33	10	900		

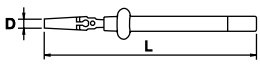
COMFORT | Modelo registrado / *Registered model* / Modèle enregistré

COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61373	15	375	44	105	45	13	1250		
61374	18	450	50	120	55	14	2050	1	●
61375	24	600			60	15	3150		

COMFORT | Modelo registrado / *Registered model* / Modèle enregistré

1000V





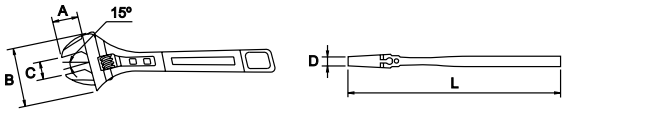


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
76554	6	150	20	47	19	6,5	195		
76555	8	200	25	55	24	7	370	4	●
76556	10	250	30	70	29	8,5	650		
76557	12	300	35	85	33	10	1050		

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

SCANDINAVIAN TYPE / LEFT TURN

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ

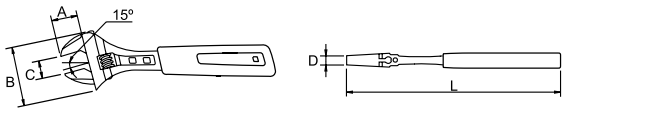


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
60550	6	150	20	47	19	6,5	160	10	
60552	10	250	30	70	29	8,5	550		●
60553	12	300	35	85	33,5	10	850	8	



Modelo registrado / *Registered model* / Modèle enregistré | SCANDINAVIAN - LEFT TURN

COMFORT



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
60548	6	150	20	47	19	6,5	180		
60558	10	250	30	70	29	8,5	595	6	●
60559	12	300	35	85	33	10	900		



COMFORT | Modelo registrado / *Registered model* / Modèle enregistré | SCANDINAVIAN - LEFT TURN

COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
60562	24	600	60	120	62	15	3150	1	●

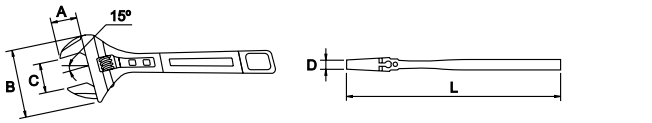
COMFORT | Modelo registrado / *Registered model* / Modèle enregistré | SCANDINAVIAN - LEFT TURN

PLUMBINGWRENCH



AJUSTABLES GRAN APERTURA / *WIDE OPENING ADJUSTABLES* / CLÉ À MOLETTE GRAND OUVERTURE / *ROLLGABELSCHLÜSSEL MIT WEITEN ÖFFNUNG* / REGOLABILE GRANDE APERTURA / *AJUSTÁVEL GRANDE ABERTURA* / ШИРОКОРАЗВОДИМЫЙ

TITACROM®

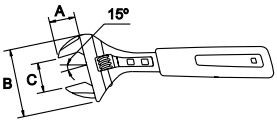


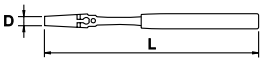
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61229	6	150	28	60	35	6	180	10	
61213	8	200	33	75	41	6,5	430		●



TITACROM® | Modelo registrado / *Registered model* / Modèle enregistré

COMFORT



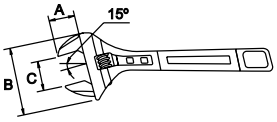


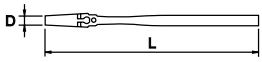
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61230	6	150	28	60	35	6	195	10	●
61214	8	200	33	75	41	6,5	450		



TITACROM® **COMFORT** | Modelo registrado / *Registered model* / Modèle enregistré

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ



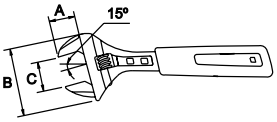


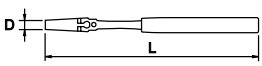
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61231	6	150	28	60	35	6	180	10	●
61215	8	200	33	75	41	6,5	430		



Modelo registrado / *Registered model* / Modèle enregistré

COMFORT





COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61232	6	150	28	60	35	6	195	10	●
61216	8	200	33	75	41	6,5	450		



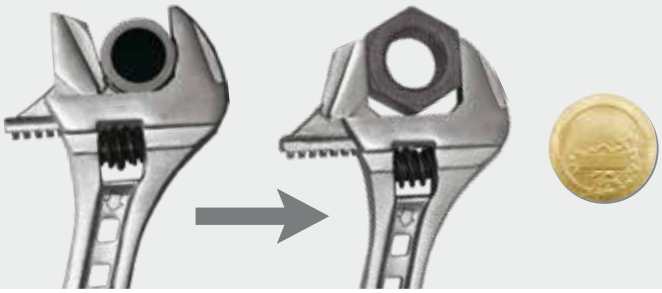
COMFORT | Modelo registrado / *Registered model* / Modèle enregistré

COMBI / *COMBI* / COMBI / *KOMBI* / COMBI / *COMBI* / КОМБИ

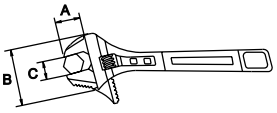
Llave ajustable con mordaza móvil reversible, para uso en elementos poligonales (tuercas) y cilíndricas (tubo)

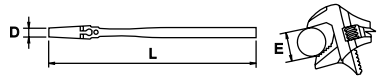
Adjustable wrench with reversible movable jaw to use in polygonal elements (nuts) and cylindrical (pipes)

Clé à molette avec mâchoire mobile réversible, pour l'utilisation dans des éléments polygonaux (ecrous) et cylindriques (tube)



TITACROM®



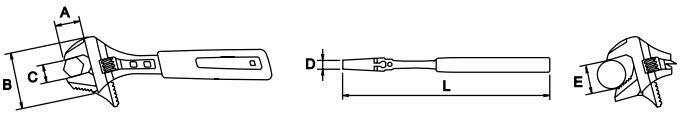


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61942	10	250	30	70	29	8,5	1.1/4	550	10	●
61943	12	300	35	80	33	10	1.1/2	850	8	



TITACROM® | Modelo registrado / *Registered model* / Modèle enregistré

COMFORT

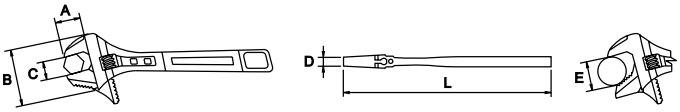


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61944	10	250	30	70	29	8,5	1.1/4	600	6	●
61945	12	300	35	80	33	10	1.1/2	900		



TITACROM® **COMFORT** | Modelo registrado / *Registered model* / Modèle enregistré

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ

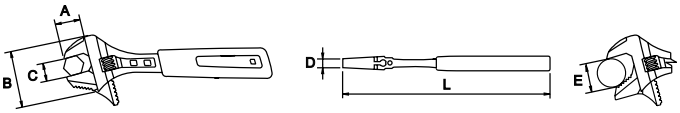


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61946	10	250	30	70	29	8,5	1.1/4	550	10	●
61947	12	300	35	80	33	10	1.1/2	850	8	



Modelo registrado / *Registered model* / Modèle enregistré

COMFORT



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61948	10	250	30	70	29	8,5	1.1/4	600	6	●
61949	12	300	35	80	33,5	10	1.1/2	900		



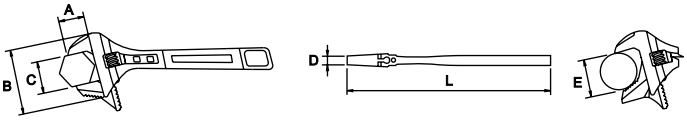
COMFORT | Modelo registrado / *Registered model* / Modèle enregistré

COMBI PLUMBINGWRENCH



AJUSTABLES GRAN APERTURA / *WIDE OPENING ADJUSTABLES* / CLÉ À MOLETTE GRAND OUVERTURE / *ROLLGABELSCHLÜSSEL MIT WEITEN ÖFFNUNG* / REGOLABILE GRANDE APERTURA / *AJUSTÁVEL GRANDE ABERTURA* / ШИРОКОРАЗВОДИМЫЙ

TITACROM®

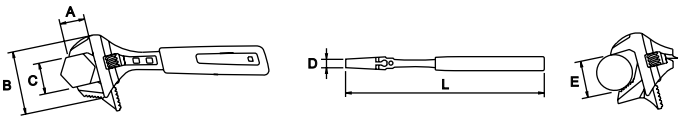


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61237	8	200	33	75	41	6,5	1.1/4	430	10	●



TITACROM® | Modelo registrado / *Registered model* / Modèle enregistré

COMFORT

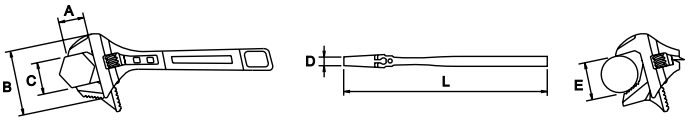


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61238	8	200	33	75	41	6,5	1.1/4	450	10	●



TITACROM® **COMFORT** | Modelo registrado / *Registered model* / Modèle enregistré

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ

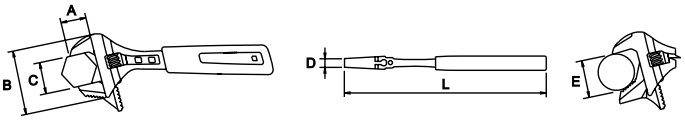


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61239	8	200	33	75	41	6,5	1.1/4	430	10	●



Modelo registrado / *Registered model* / Modèle enregistré

COMFORT



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61240	8	200	33	75	41	6,5	1.1/4	450	10	●



COMFORT | Modelo registrado / *Registered model* / Modèle enregistré

ALAVESA COMBI / *BASQUE COMBI* / BASQUE COMBI / *BASKISCHER KOMBI* / BASCA COMBI / *VASCA COMBI* / ТИП БАССКИЙ КОМБИ

PATENTADA / *PATENTED* / BREVETEE / *PATENTIERT* / BREVETTATO / *PATENTEADA* / ЗАПАТЕНТОВАННЫЙ

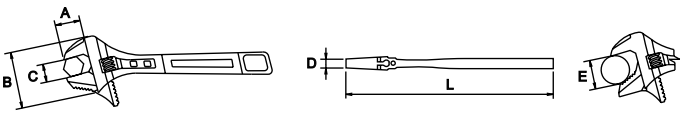


Llave ajustable con mordaza móvil reversible, para uso en elementos poligonales (tuercas) y cilíndricas (tubo) y con sistema de acción de apertura rápida patentada

Adjustable wrench with reversible movable jaw to use in polygonal elements (nuts) and cylindrical (pipes), and with patented quick opening action system

Clé à molette avec mâchoire mobile réversible, pour l'utilisation avec des éléments polygonaux (écrous) et cylindriques (tube) et avec un système d'ouverture rapide breveté

TITACROM®

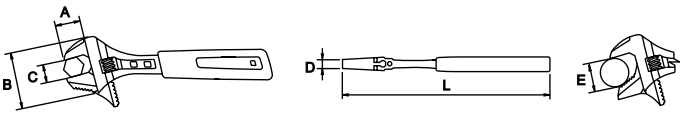


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61934	10	250	30	70	29	8,5	1.1/4	550	10	●
61935	12	300	35	80	33	10	1.1/2	850	8	



TITACROM® | Patente mundial / *World patent* / Brevet mondial

COMFORT

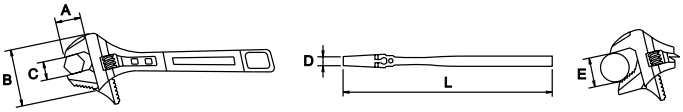


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61936	10	250	30	70	29	8,5	1.1/4	600	6	●
61937	12	300	35	80	33	10	1.1/2	900		



TITACROM® **COMFORT** | Patente mundial / *World patent* / Brevet mondial

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ

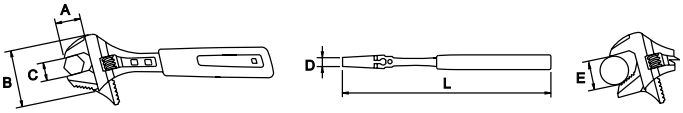


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61938	10	250	30	70	29	8,5	1.1/4	550	10	●
61939	12	300	35	80	33	10	1.1/2	850	8	



Patente mundial / *World patent* / Brevet mondial

COMFORT



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61940	10	250	30	70	29	8,5	1.1/4	600	6	●
61941	12	300	35	80	33	10	1.1/2	900		



COMFORT | Patente mundial / *World patent* / Brevet mondial

EGA Master
ART IN INNOVATION

ALAVESA COMBI PLUMBINGWRENCH / *BASQUE COMBI PLUMBINGWRENCH* / BASQUE COMBI PLUMBINGWRENCH / *BASKISCHER KOMBI PLUMBINGWRENCH* / BASCA COMBI PLUMBINGWRENCH / *VASCA COMBI PLUMBINGWRENCH* / ТИП БАССКИЙ КОМБИ PLUMBINGWRENCH

PATENTADA / *PATENTED* / BREVETEE / *PATENTIERT* / BREVETTATO / *PATENTEADA* / ЗАПАТЕНТОВАННЫЙ



Llave ajustable con mordaza móvil reversible, para uso en elementos poligonales (tuercas) y cilíndricas (tubo) y con sistema de acción de apertura rápida patentada

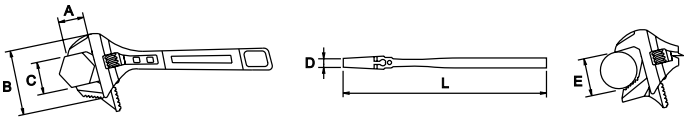
Adjustable wrench with reversible movable jaw to use in polygonal elements (nuts) and cylindrical (pipes), and with patented quick opening action system

Clé à molette avec mâchoire mobile réversible, pour l'utilisation avec des éléments polygonaux (écrous) et cylindriques (tube) et avec un système d'ouverture rapide breveté



AJUSTABLES GRAN APERTURA / *WIDE OPENING ADJUSTABLES* / CLÉ À MOLETTE GRAND OUVERTURE / *ROLLGABELSCHLÜSSEL MIT WEITEN ÖFFNUNG* / REGOLABILE GRANDE APERTURA / *AJUSTÁVEL GRANDE ABERTURA* / ШИРОКОРАЗВОДИМЫЙ

TITACROM®

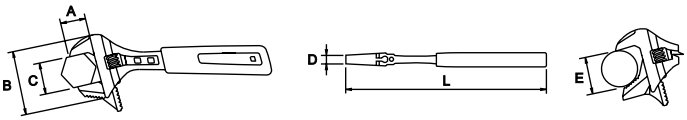


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61221	8	200	33	75	41	6,5	1.1/4	430	10	●



TITACROM® | Patente mundial / *World patent* / Brevet mondial

COMFORT

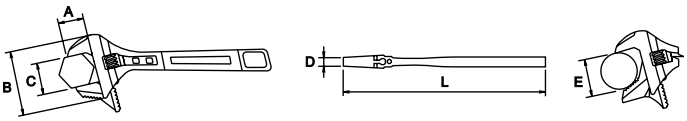


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61222	8	200	33	75	41	6,5	1.1/4	450	10	●



TITACROM® *COMFORT* | Patente mundial / *World patent* / Brevet mondial

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ

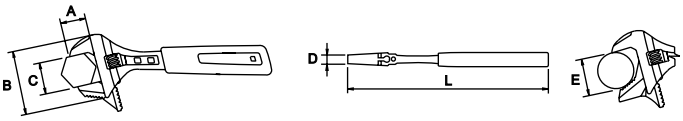


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61223	8	200	33	75	41	6,5	1.1/4	430	10	●



Patente mundial / *World patent* / Brevet mondial

COMFORT

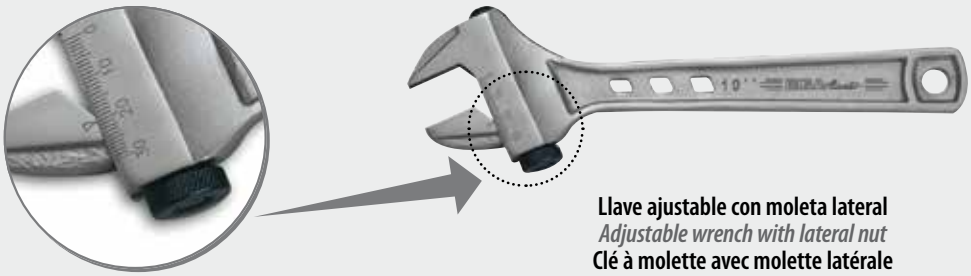


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61224	8	200	33	75	41	6,5	1.1/4	450	10	●

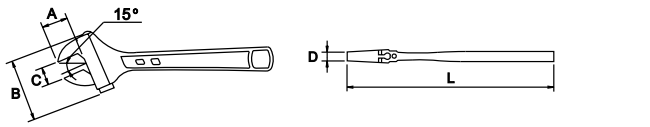


COMFORT | Patente mundial / *World patent* / Brevet mondial

MOLETA LATERAL / *LATERAL NUT* / MOLETTE LATÉRALE / *MIT SCHNECKENROLLE* / RULLINO LATERALE / *MOLETA LATERAL* / РИГУЛИРОВОЧНАЯ ШАЙБА



Llave ajustable con moleta lateral
Adjustable wrench with lateral nut
Clé à molette avec molette latérale

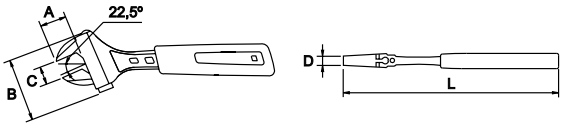


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
58126	6	150	23	53	24	6,5	150	6	●
58127	8	200	26,5	66	28,5		275		
58128	10	250	31	80	33	8	475		
58129	12	300	39	94	38	9,5	820		



TITACROM®

COMFORT

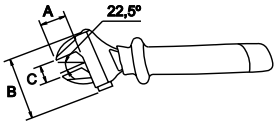


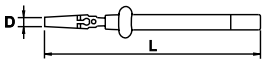
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61061	8	200	24	65	24	9,5	310	6	●
61062	10	250	30	80	29	11	520		
61063	12	300	36	95	33	12	900	5	



TITACROM® *COMFORT*

1000V

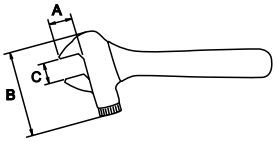


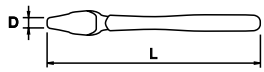


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
76578	6	150	20	55	19	8,5	200		
76580	10	250	30	80	29	11	600	4	●
76581	12	300	36	95	33	12	1000		



TITACROM® 1000 V | IEC 60900



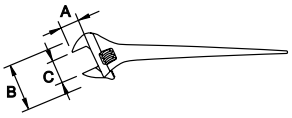


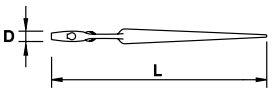
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
79470	8	200	25	95	29	11	370	1	●
79471	10	250	32	105	33		620		
79472	12	300	40	120	38	14	1000		



1000 V | IEC 60900

LLAVE AJUSTABLE PARA ESTRUCTURA / *ADJUSTABLE STRUCTURAL WRENCH* / CLÉ À MOLETTE POUR STRUCTURE MÉTALLIQUE / *VERSTELLBARE ROLLGABELSCHLÜSSEL MIT DORN* / CHIAVE REOLABILE PER PONTEGGI / *CHAVE AJUSTÁVEL PARA ESTRUTURA* / КЛЮЧ РАЗВОДНОЙ СТРОИТЕЛЬНЫЙ





COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61137	16	400	35	85	42	17	1100	1	●





EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

36 PCS.



COD.	PCS.
69411	36

PCS.	COD. PCS.	
6	61110	6"-150 mm
9	61111	8"-200 mm
	61112	10"-250 mm
6	61907	8"-200 mm
	61908	10"-250 mm

COD.	PCS.
69412	36

PCS.	COD. PCS.	
6	61117	6"-150 mm
9	61118	8"-200 mm
	61119	10"-250 mm
6	61910	8"-200 mm
	61911	10"-250 mm



COD.	PCS.
69415	36

PCS.	COD. PCS.	
6	61110	6"-150 mm
	61111	8"-200 mm
	61112	10"-250 mm
	61057	6"-150 mm
	58127	8"-200 mm
	58128	10"-250 mm

COD.	PCS.
55580	36

PCS.	COD. PCS.	
6	61942	10"-250 mm
	61943	12"-300 mm
	61237	8"-200 mm
	61944	10"-250 mm
	61945	12"-300 mm
	61238	8"-200 mm

COD.	PCS.
55581	36

PCS.	COD. PCS.	
6	61946	10"-250 mm
	61947	12"-300 mm
	61239	8"-200 mm
	61948	10"-250 mm
	61949	12"-300 mm
	61240	8"-200 mm

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60 PCS.



COD.	PCS.
69435	60

PCS.	COD. PCS.		
6	61110	6"-150 mm	
	61111	8"-200 mm	
	61112	10"-250 mm	
	61113	12"-300 mm	
	61936	10"-250 mm	
	61937	12"-300 mm	
	61057	6"-150 mm	
	58127	8"-200 mm	
	58128	10"-250 mm	
	58129	12"-300 mm	

COD.	PCS.
69437	60

PCS.	COD. PCS.		
6	61110	6"-150 mm	
	61111	8"-200 mm	
12	61112	10"-250 mm	
	61113	12"-300 mm	
6	61907	8"-200 mm	
	61908	10"-250 mm	
	61909	12"-300 mm	
	61936	10"-250 mm	
	61937	12"-300 mm	

COD.	PCS.
69439	60

PCS.	COD. PCS.		
6	61117	6"-150 mm	
	61118	8"-200 mm	
12	61119	10"-250 mm	
	61120	12"-300 mm	
6	61910	8"-200 mm	
	61911	10"-250 mm	
	61912	12"-300 mm	
	61940	10"-250 mm	
	61941	12"-300 mm	

36 PCS.



COD.	PCS.
55582	36

PCS.	COD. PCS.		
6	61942	10"-250 mm	
	61943	12"-300 mm	
	61237	8"-200 mm	
	61944	10"-250 mm	
	61945	12"-300 mm	
	61238	8"-200 mm	

COD.	PCS.
55583	36

PCS.	COD. PCS.		
6	61946	10"-250 mm	
	61947	12"-300 mm	
	61239	8"-200 mm	
	61948	10"-250 mm	
	61949	12"-300 mm	
	61240	8"-200 mm	

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

LLAVES AJUSTABLES - COMBI / *ADJUSTABLE WRENCHES - COMBI* / CLÉS À MOLETTE - COMBI

COD.	Descripción / *Description* / Description	COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
81554	Eje / *Axle* / Axe	81539	Tuerca / *Nut* / Ecrou	61109, 61136
81547		81540		61110, 61906, 76550, 61117, 61898, 76554
81548		81541		61111, 61907, 76551, 61118, 61910, 76555
81549		81542		61112, 61908, 76552, 61119, 61911, 76556, 61942, 61946, 61948
81550		81543		61113, 61909, 76553, 61120, 61912, 76557, 61943, 61945, 61947, 61949
81551		81544		61114, 61370, 61121, 61373
81552		81545		61115, 61371, 61122, 61374
81553		81546		61116, 61372, 61123, 61375
85764		85765		62980

ALAVESA - ALAVESA COMBI / *BASQUE - BASQUE COMBI* / BASQUE - BASQUE COMBI

COD.	Descripción / *Description* / Description	COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
81034	Eje / *Axle* / Axe	81542	Tuerca / *Nut* / Ecrou	61934, 61936, 61938, 61940
81035		81543		61935, 61937, 61939, 61941

PLUMBINGWRENCH – PLUMBINGWRENCH COMBI

COD.	Descripción / *Description* / Description	COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
81966	Eje / *Axle* / Axe	81965	Tuerca / *Nut* / Ecrou	61230, 61231, 61232
81968		81967		61213, 61214, 61215, 61216, 61237, 61238, 61239, 61240

PLUMBINGWRENCH ALAVESA – PLUMBINGWRENCH ALAVESA COMBI / *BASQUE PLUMBINGWRENCH - BASQUE COMBI PLUMBINGWRENCH* / BASQUE PLUMBINGWRENCH - BASQUE COMBI PLUMBINGWRENCH

COD.	Descripción / *Description* / Description	COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
81033	Eje / *Axle* / Axe	81967	Tuerca / *Nut* / Ecrou	61221, 61222, 61223, 61224

SCANDINAVIAN - COMBI SCANDINAVIAN

COD.	Descripción / *Description* / Description	COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
81547	Eje / *Axle* / Axe	85767	Tuerca / *Nut* / Ecrou	60550, 60548
81549		85769		60552, 60558
81550		85770		60553, 60559
81553		85773		60562



PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

ARO DRILLING

PETRÓLEO Y GAS / OIL&GAS / PÉTROLE ET GAZ

EMIRATOS ÁRABES UNIDOS / UNITED ARAB EMIRATES / ÉMIRATS ARABES UNIS







8

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

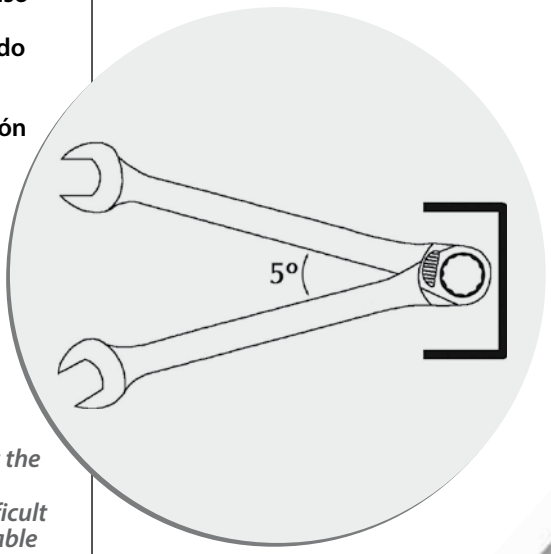


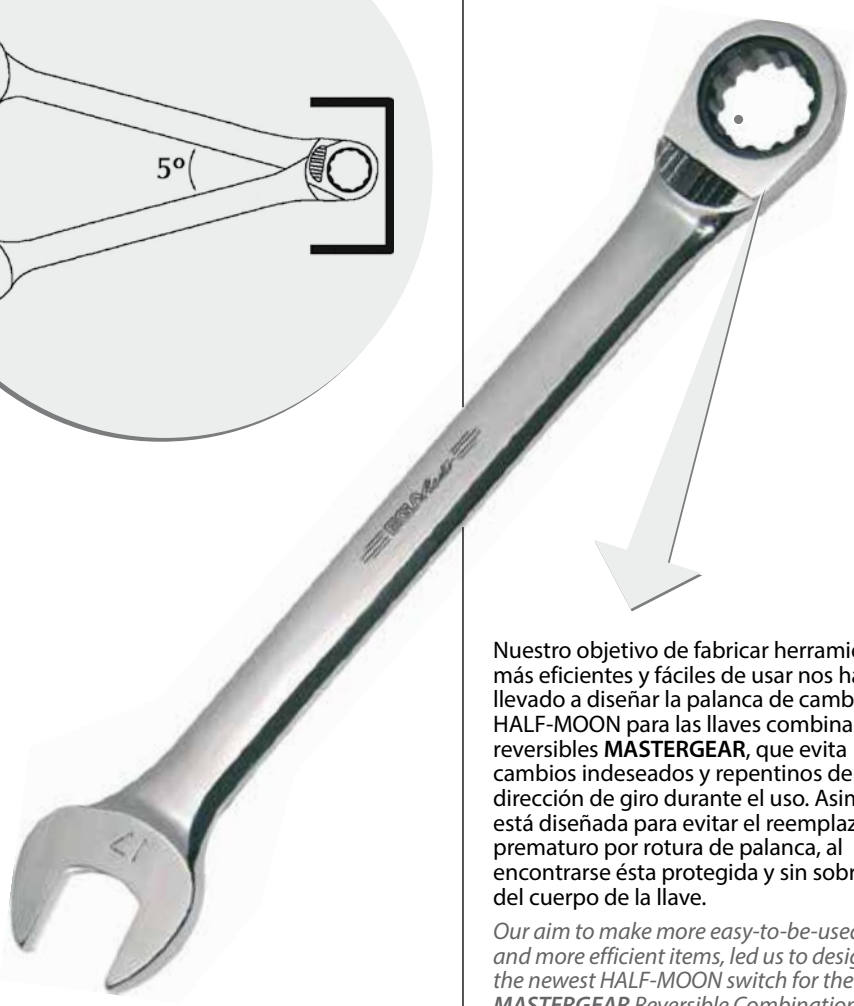
8 LLAVE COMBINADA REVERSIBLE MASTERGEAR
REVERSIBLE MASTERGEAR COMBINATION WRENCH
CLÉS MIXTES REVERSIBLES MASTERGEAR

El diseño exclusivo de las llaves MASTERGEAR provee al profesional más exigente de una llave multiuso para el apriete en los lugares de más difícil acceso y con un cómodo sistema de carraca. Fabricadas en cromo-vanadio, soportan ampliamente los valores de torsión de los estándares de calidad más exigentes. Su carraca de 72 dientes junto con el diseño especial de su cabeza posibilita aprietes en las posiciones más complicadas, necesitando únicamente 5° para ello. Reversibles, Stubby, E-Torx… todo lo necesario para el profesional.

*The exclusive design of the **MASTERGEAR** wrenches, provides the demanding professional with an all-in-one wrench for the most difficult access tightening, with a comfortable ratchet system. Made in chrome vanadium, they easily stand the most restrictive quality standards for torque. Their 72 teeth gear together with the ratchet head design enables tightening in the narrowest places, with only 5° required for such purpose. Reversible, Stubby, E-Torx… all that the demanding professional may need.*

La conception exclusive de la clé MASTERGEAR fournit au professionnel le plus exigeant une clé multi-usages pour le serrage dans des lieux exigus, avec un système de cliquet. Fabriquées en chrome vanadium, elles supportent amplement les valeurs de torsion que requièrent les standards de qualité les plus exigeants. Son cliquet de 72 dents, combiné à un dessin spécifique de la tête, permet des serrages dans les positions les plus complexes, requerrant uniquement 5° pour agir. Réversibles, Stubby, E-Torx… tout l'indispensable pour le professionnel.

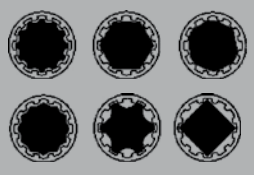




Su innovador diseño de estrella permite apretar múltiples y diferentes cabezas de tornillo, tales como Spline, 6 lados, 12 lados, E-torx y Cuadrados, incluso en cabezas redondeadas hasta en un 50 % por el desgaste.

Its innovative box drive allows to tighten multiple nut heads such as Spline, 6-point , 12 point , Square and E-torx, as well as with 50% rounded off nuts.

Son dessin innovateur en étoile, permet de serrer de multiples et différentes têtes de vissage , telles que Spline, 6 pans, 12 pans, E-Torx et carrées, y compris des têtes arrondies á 50% par usure.



Nuestro objetivo de fabricar herramientas más eficientes y fáciles de usar nos ha llevado a diseñar la palanca de cambio HALF-MOON para las llaves combinadas reversibles **MASTERGEAR**, que evita cambios indeseados y repentinos de dirección de giro durante el uso. Asimismo, está diseñada para evitar el reemplazo prematuro por rotura de palanca, al encontrarse ésta protegida y sin sobresalir del cuerpo de la llave.

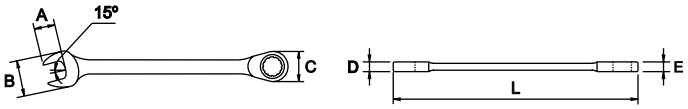
*Our aim to make more easy-to-be-used and more efficient items, led us to design the newest HALF-MOON switch for the **MASTERGEAR** Reversible Combination Wrenches, which avoids unwanted or unconscious switch reversing as well as premature damage of the switch. Besides, this switch is designed to avoid the early need to replace it because of breakeage, as this switch is protected by the body of the wrench.*

Notre objectif de fabriquer des outils plus performants et plus faciles d'usage, nous a amené à dessiner le bouton de changement de sens de la clé á cliquet réversible **MASTERGEAR**, en forme de demi-lune, ce qui a pour effet d'éviter des changements de sens indésirables et soudain durant l'utilisation. De même, sa conception permet d'éviter des remplacements prématurés de la clé pour cause de rupture du levier, le bouton étant protégé car ne ressortant pas trop du corps de l'outil.

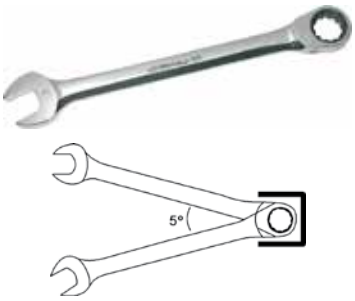
MASTERGEAR

LLAVE COMBINADA DE CARRACA MASTERGEAR / *MASTERGEAR COMBINATION RATCHET WRENCH* / CLÉ MIXTE À CLIQUET MASTERGEAR / *RATSCHEN-RINGGABELSCHLÜSSEL* / CHIAVE COMBINATA A CRICCO MASTERGEAR / *CHAVE DE BOCA E LUNETA COM ROQUETE MASTERGEAR* / КЛЮЧ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
62622	6	125	7	13,5	14,5	4,2	6,5	45			
62650	7	130	8	14,5	17,5	4,3	6,8	50			
62651	8	145	9,5	17	18	4,7	7,4				
62652	9	150	10	18	19	5,3		55			
62653	10	160	11	22	21	5,7		60			
62654	11	165	12	23	22	6,1		80			
62655	12	175	13	25	23	6,4	8,4	90	10		
62656	13	180	15	26	25	6,6		100			
62657	14	190	16	29	26	7,3		120			
62658	15	200	17	31	28	7,5		130			
62659	16	210	18	33	29	7,7	10,0	150		●	A
62660	17	230	20	36	30	7,9		180			
62661	18	240	21	38	32	8,4	11,5	200			
62662	19	250		39	34	8,7		240			
62663	21	270	24	43	38	9,5	12,5	310			
62664	22	280	25	46	41	10,0	13,5	340			
62665	24	300	26	48	45	11,0		450	5		
62677	27	340	31	55	48	13,0	14,5	600			
62678	30	370	35	62	55	14,0	17,0	800			
62679	32	400	37	64	60	15,0		950			

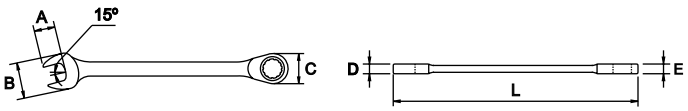


DIN 1711 | Modelo registrado / *Registered model* / Modèle enregistré

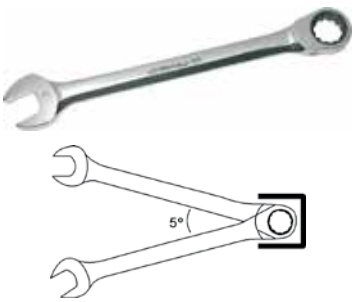
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
62666	5/16	145	9,0	17	18	4,7	7,4	50			
62667	3/8	160	12	22	21	5,7		60			
62668	7/16	165		23	22	6,1	8,4	80			
62669	1/2	180	14	26	25	6,6		100	10		
62670	9/16	190	16	29	26	7,3		120			
62671	5/8	210	18	33	29	7,7	10,0	150			
62672	11/16	230	20	36	30	7,9		180		●	A
62673	3/4	250	22	39	34	8,7	11,5	240			
62674	13/16	270	23	43	38	9,5	12,5	310			
62675	7/8	280	26	46	41	10,0	13,5	340			
62676	15/16	300	27	48	45	11,0		450	5		
62709	1	320	26	51	45,7	9,4	14,5	480			



DIN 1711 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

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SET

MM

COD.		PCS.	g
69864	A	10	1000

Composición / *Composition* / Composition	
62651, 62653, 62655, 62656, 62660, 62662	8-10-12-13-17-19 mm
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm
62775	1/4"-1/4"



MM

COD.		PCS.	g
69865	A	6	800

Composición / *Composition* / Composition	
62651, 62653, 62655, 62656, 62660, 62662	8-10-12-13-17-19 mm



MM

COD.		PCS.	g
69868	A	16	2000

Composición / *Composition* / Composition	
62651, 62652, 62653, 62654, 62655, 62656, 62657, 62658, 62659, 62660, 62661, 62662	8-9-10-11-12-13-14-15-16-17-18-19 mm
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm
62775	1/4"-1/4"



MM

COD.		PCS.	g
69869	A	12	1800

Composición / *Composition* / Composition	
62651, 62652, 62653, 62654, 62655, 62656, 62657, 62658, 62659, 62660, 62661, 62662	8-9-10-11-12-13-14-15-16-17-18-19 mm



INCH

COD.		PCS.	g
51453	A	10	1000

Composición / *Composition* / Composition	
62666, 62667, 62668, 62669, 62672, 62673	5/16"- 3/8"- 7/16"- 1/2"- 11/16"- 3/4"
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm
62775	1/4"-1/4"



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

INCH

COD.		PCS.	g
51454	A	6	800

Composición / *Composition* / Composition	
62666, 62667, 62668, 62669, 62672, 62673	5/16"-3/8"-7/16"-1/2"-11/16"-3/4"



SET DEMO-BLOCK

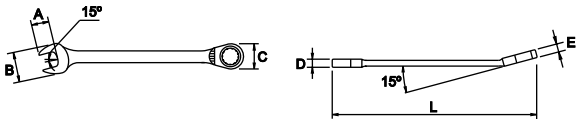
COD.	mm		g
64502	13	●●●●●●	300



MASTERGEAR REV.

LLAVE COMBINADA DE CARRACA REVERSIBLE MASTERGEAR / *REVERSIBLE MASTERGEAR COMBINATION RATCHET WRENCH* / **CLÉ MIXTE A CLIQUET RÉVERSIBLE MASTERGEAR** / *UMKEHRBARE RATSCHEN-GABELSCHLÜSSEL* / **CHIAVE COMBINATA A CRICCO REVERSIBILE MASTERGEAR** / *CHAVE DE BOCA E LUNETA DE ROQUETE REVERSIVEL MASTERGEAR* / **КЛЮЧ РЕВЕРСИВНЫЙ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR**

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
62680	8	145	9,5	17	18	4,7	7,4	50	10	●	A
62681	9	150	10	19	19	5,3		55			
62682	10	160	11	22	21	5,7	8,4	60			
62683	11	165	12	23	22	6,1		80			
62684	12	175	13	25	23	6,4		90			
62685	13	180	15	26	25	6,6		100			
62686	14	190	16	29	26	7,3		120			
62687	15	200	17	31	28	7,5		130			
62688	16	210	18	33	29	7,7	10,0	150			
62689	17	230	20	36	30	7,9		180			
62690	18	240	21	38	32	8,4	11,5	200			
62691	19	250		39	34	8,7		240			
62692	21	270	24	43	38	9,5	12,5	310	5		
62693	22	280	25	46	41	10,0	13,5	340			
62694	24	300	26	48	45	11,0		450			

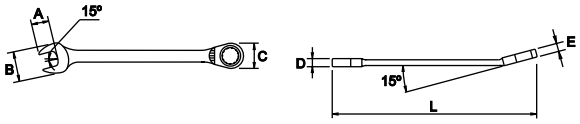


DIN 1711 | **Modelo registrado** / *Registered model* / **Modèle enregistré**

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V
Reversible / *Reversible* / Réversible

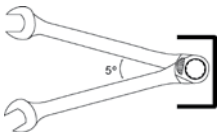
A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
62695	5/16	145	9,0	17	18	4,7	7,4	50			
62696	3/8	160	12	22	21	5,7	8,4	60			
62697	7/16	165		23	22	6,1		80			
62698	1/2	180	14	26	25	6,6		100	10		
62699	9/16	190	16	29	26	7,3		120			
62700	5/8	210	18	33	29	7,7	10,0	150		●	A
62701	11/16	230	20	36	30	7,9		180			
62702	3/4	250	22	39	34	8,7	11,5	240			
62703	13/16	270	23	43	38	9,5	12,5	310			
62704	7/8	280	26	46	41	10,0	13,5	340	5		
62705	15/16	300	27	48	45	11,0		450			





DIN 1711 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V
Reversible / *Reversible* / Réversible

SET

MM

COD.		PCS.	g
69866	A	10	1000

Composición / *Composition* / Composition		
62680, 62682, 62684, 62685, 62689, 62691	8-10-12-13-17-19 mm	
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm	
62775	1/4"-1/4"	



MM

COD.		PCS.	g
69867	A	6	800

Composición / *Composition* / Composition		
62680, 62682, 62684, 62685, 62689, 62691	8-10-12-13-17-19 mm	



MM

COD.		PCS.	g
69870	A	16	2000

Composición / *Composition* / Composition		
62680, 62681, 62682, 62683, 62684, 62685, 62686, 62687, 62688, 62689, 62690, 62691	8-9-10-11-12-13-14-15-16-17-18-19 mm	
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm	
62775	1/4"-1/4"	



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

MM

COD.		PCS.	g
69871	A	12	1800

Composición / *Composition* / **Composition**

62680, 62681, 62682, 62683, 62684, 62685, 62686, 62687, 62688, 62689, 62690, 62691 — 8-9-10-11-12-13-14-15-16-17-18-19 mm



INCH

COD.		PCS.	g
51455	A	10	1000

Composición / *Composition* / **Composition**

62695, 62696, 62697, 62698, 62701, 62702	5/16- 3/8- 7/16- 1/2- 11/16- 3/4"
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm
62775	1/4"-1/4"



INCH

COD.		PCS.	g
51456	A	6	800

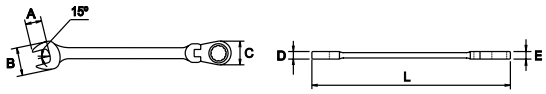
Composición / *Composition* / **Composition**

62695, 62696, 62697, 62698, 62701, 62702 — 5/16"- 3/8"- 7/16"- 1/2"- 11/16"- 3/4"



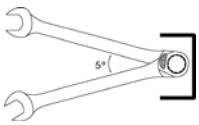
MASTERGEAR ARTICULADA / *MASTERGEAR JOINT* / MASTERGEAR ARTICULÉE / *RATSCHEN-RINGGABELSCHLÜSSEL MIT VERSTELLBAREM KOPF* / MASTERGEAR SNODATA / *MASTERGEAR ARTICULADA* / MASTERGEAR ШАРНИР

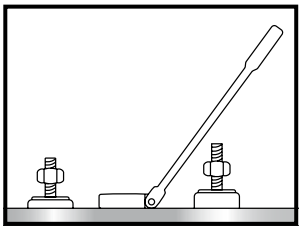
MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
61379	6	125	6,8	13,5	14,4	4,2	6,5	50		
61404	7	132	7,9	14,6	17,5	4,3	6,8	55		
61530	8	145	9,5	17	18	4,7	7,4	60		
61531	9	150	10	19	19	5,3		65		
61532	10	155	11	22	21	5,7	8,4	70		
61533	11	165	12	23	22	6,1		90		
61534	12	170	13	25	23	6,4		95	10	
61535	13	180	15	26	25	6,6		110		
61536	14	190	16	29	26	7,3		120		● A
61537	15	200	17	31	28	7,5		140		
61538	16	210	18	33	29	7,7	10,0	160		
61539	17	230	20	36	30	7,9		190		
61540	18	240	21	38	32	8,4	11,5	210		
61541	19	250		39	34	8,7		240		
61542	21	270	24	43	38	9,5	12,5	250		
61543	22	280	25	46	41	10,0	13,5	350	5	
61544	24	300	26	48	45	11,0		460		
61569	27	340	28,5	56	50	10	15,2	760		







A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

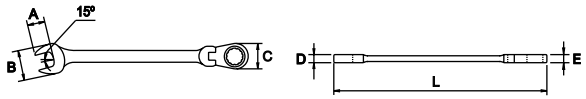
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
61582	30	365	32	63	55	11,5	16,8	900	5	●	A
61594	32	390	33,5	69	60	12,4	17,3	1000			

DIN 1711 | Modelo registrado / *Registered model* / Modèle enregistré

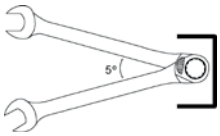
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

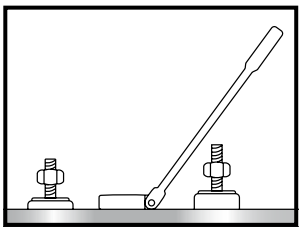
Cr-V

INCH









COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
61545	5/16	145	9,0	17	18	4,7	7,4	60	10	●	A
61546	3/8	155	12	22	21	5,7	8,4	70			
61547	7/16	165		23	22	6,1		90			
61548	1/2	180	14	26	25	6,6		110			
61549	9/16	190	16	29	26	7,3		130			
61550	5/8	210	18	33	29	7,7	10,0	170			
61551	11/16	230	20	36	30	7,9		190			
61552	3/4	250	22	39	34	8,7	11,5	250			
61553	13/16	270	23	43	38	9,5	12,5	320	5		
61554	7/8	280	26	46	41	10,0	13,5	350			
61555	15/16	300	27	48	45	11,0		460			
61558	1	320	26	51	46	9,4	14,5	550			

DIN 1711 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SET

MM

COD.		PCS.		COD. PCS.	(mm)
69105	A	6	90080	61530, 61532, 61534, 61535, 61539, 61541	8-10-12-13-17-19
69106		8	90081	61530, 61532, 61534, 61535, 61536, 61539, 61541, 61543	8-10-12-13-14-17-19-22
69107		10	90054	61530, 61531, 61532, 61533, 61534, 61535, 61536, 61539, 61541, 61543	8-9-10-11-12-13-14-17-19-22



INCH

COD.		PCS.		COD. PCS.	(inch)
69101	A	6	90080	61546, 61547, 61548, 61549, 61550, 61552	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 3/4
69102		8	90081	61545, 61546, 61547, 61548, 61549, 61550, 61551, 61552	5/16 - 3/8 -7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4
69103		10	90054	61546, 61547, 61548, 61549, 61550, 61551, 61552, 61553, 61554, 61555	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 15/16



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

MM

COD.		PCS.	g
68525	A	10	1000

Composición / *Composition* / Composition	
61530, 61532, 61534, 61535, 61539, 61541	8-10-12-13-17-19 mm
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm
62775	1/4"-1/4"



MM

COD.		PCS.	g
68526	A	6	800

Composición / *Composition* / Composition	
61530, 61532, 61534, 61535, 61539, 61541	8-10-12-13-17-19 mm



MM

COD.		PCS.	g
68527	A	16	2000

Composición / *Composition* / Composition	
61530, 61531, 61532, 61533, 61534, 61535, 61536, 61537, 61538, 61539, 61540, 61541	8-9-10-11-12-13-14-15-16-17-18-19 mm
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm
62775	1/4"-1/4"



MM

COD.		PCS.	g
68528	A	12	1800

Composición / *Composition* / Composition	
61530, 61531, 61532, 61533, 61534, 61535, 61536, 61537, 61538, 61539, 61540, 61541	8-9-10-11-12-13-14-15-16-17-18-19 mm

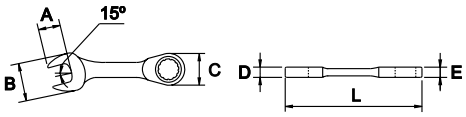


A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

MASTERGEAR STUBBY

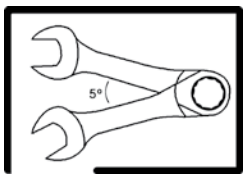
LLAVE COMBINADA DE CARRACA SERIE CORTA */ STUBBY MASTERGEAR COMBINATION RATCHET WRENCH* **/ CLÉ MIXTE À CLIQUET COURTE MASTERGEAR** */ RATSCHEN-RINGGABELSCHLÜSSEL STUBBY* **/ CHIAVE COMBINATA A CRICCO SERIE CORTA MASTERGEAR** */ CHAVE DE BOCA E LUNETA ROQUETE SERIE CURTA MASTERGEAR* **/ КЛЮЧ КОРОТКИЙ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR**

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
62710	8	90	9,5	17	17	4,0	7,4	29	10	●	A
62711	9		10	19	19			36			
62712	10	100	11	21	22	4,5	8,4	44			
62713	11	105	12	22	23	5,0		60			
62714	12		13	23	25	5,5					
62715	13	110	15	25	26	6,0		70			
62716	14	115	16	26	30			80			
62717	15	120	17	28	31	7,0		90			
62718	16		18	29	33		10,0	105			
62719	17	130	20	30	36			120			
62720	18		21	32	38	8,0	11,4	140			
62721	19	135		34	39			160			



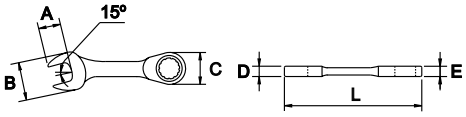


DIN 1711 | **Modelo registrado** */ Registered model* **/ Modèle enregistré**

CARACTERÍSTICAS / ***FEATURES*** **/ CARACTÉRISTIQUES**

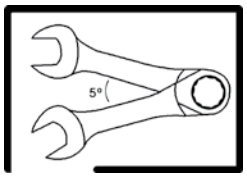
Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
62722	5/16	90	9,0	17	17	4,0	7,4	29	10	●	A
62723	3/8	100	12	21	22	4,5	8,4	44			
62724	7/16	105		22	23	5,0		60			
62725	1/2	110	14	25	26	6,0		70			
62726	9/16	115	16	26	30			80			
62727	5/8	120	17	29	33	7,0	10,0	105			
62728	11/16	130	20	30	36			120			
62729	3/4	135	22	34	39	8,0	11,4	160			





DIN 1711 | **Modelo registrado** */ Registered model* **/ Modèle enregistré**

CARACTERÍSTICAS / ***FEATURES*** **/ CARACTÉRISTIQUES**

Cr-V

A Cromado pulido espejo */ Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

SET

MM

COD.		PCS.	g
69872	A	14	1300

Composición / *Composition* / Composition	
62712, 62713, 62714, 62715, 62716, 62717, 62718, 62719, 62720, 62721	10-11-12-13-14-15-16-17-18-19 mm
62772, 62773, 62774	1/4-10 , 3/8-17, 1/2-19 mm
62775	1/4"-1/4"



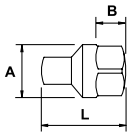
MM

COD.		PCS.	g
69873	A	10	1100

Composición / *Composition* / Composition	
62712, 62713, 62714, 62715, 62716, 62717, 62718, 62719, 62720, 62721	10-11-12-13-14-15-16-17-18-19 mm



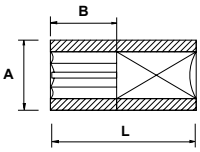
ADAPTADOR PARA LLAVE / *WRENCH ADAPTER* / ADAPTATEUR POUR CLÉ / *SCHRAUBENSCHLÜSSEL ADAPTER* / ADATTATORE PER CHIAVE / *ADAPTADOR PARA CHAVE* / ПЕРЕХОДНИК ДЛЯ ГОЛОВОК



COD.		L (mm)	A (mm)	B (mm)	g		
62772	1/4"-10 mm	20	11	8	12		
62773	3/8"-17 mm	28	19	9	39	6	●
62774	1/2"-19 mm	35	22	13	65		



ADAPTADOR CON CLIP DE RETENCIÓN / *RETENTION CLIP ADAPTER* / ADAPTATEUR AVEC CLIP DE RÉTENTION / *HALTEKLAMMER ADAPTOR* / ADATTATORE CON CLIP DI RITENZIONE / *ADAPTADOR COM CLIP DE RETENÇÃO* / ПЕРЕХОДНИК (АДАПТЕР) С УДЕРЖИВАЮЩИМ ШАРИКОМ



COD.		L (mm)	A (mm)	B (mm)	g		
62775	1/4"-1/4"	25	12	12	10	6	●

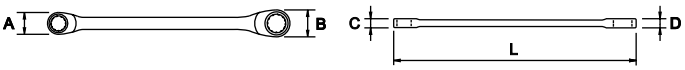


A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

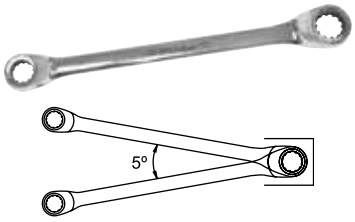
MASTERGEAR DOUBLE

LLAVE DE CARRACA DOBLE MASTERGEAR / *MASTERGEAR DOUBLE RATCHET WRENCH* / CLÉ À DOUBLE CLIQUET MASTERGEAR / *MASTERGEAR DOPPEL KNARRE RINGSCHLÜSSEL* / CHIAVE DOPPIA A CRICCO / *CHAVE DE ROQUETE DUPLO MASTERGEAR* / MASTERGEAR КЛЮЧ С ДВОЙНОЙ ТРЕЩЕТКОЙ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
63280	8-9	149	18	21	7,4	8,4	60	8	●	A
63281	10-11	167	21	22	8,4		90			
58095	12-13	185	26	26	8,5	9,0				
63282	12-15	225	23	28	8,4	8,4	135			
63283	13-14	250	25	26			150			
58096	14-15	202	29	29	9,7	9,7				
58097	16-17	220	32	32	10	10	200	8 / 8		
63284	16-18	270	29			11,5	250	8		
58098	18-19	238	35	36	11,1	11,3				
58099	20-22	255	40	40	13	13	390	5		

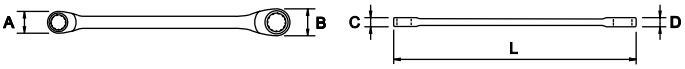


DIN 1711 | Modelo registrado / *Registered model* / Modèle enregistré

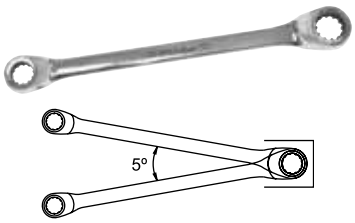
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
63288	5/16-3/8	160	18	21	7,5	8,5	60	8	●	A
63289	3/8-7/16	165	21	24	8,5		90			
63290	1/2-9/16	195	25	28			150			
63291	11/16-3/4	230	30	34	10	12	250			
63292	13/16-15/16	320	38	45	13	14		5		



DIN 1711 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SET

MM

COD.		PCS.		COD. PCS.	(mm)
69990	A	6	90056	63280, 63281, 63282, 63283, 58097, 58098	8-9, 10-11, 12-15, 13-14, 16-17, 18-19



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

EXPOSITORES MASTERGEAR / *MASTERGEAR DISPLAYS* / PRÉSENTOIRS MASTERGEAR / *MASTERGEAR AUSSTELLUNGSSTAND* / ESPOSITORI MASTERGEAR / *EXPOSITORES MASTERGEAR* / ДИСПЛЕЙ С КЛЮЧАМИ MASTERGEAR

186 PCS.

MM



COD.		PCS.
55650	A	186

PCS.	COD. PCS.		Mod.
20	62651	8 mm	MASTERGEAR
	62653	10 mm	
	62654	11 mm	
	62655	12 mm	
	62656	13 mm	
	62657	14 mm	
	62658	15 mm	
16	62659	16 mm	
	62660	17 mm	
14	62662	19 mm	

MM

COD.		PCS.
55651	A	186

PCS.	COD. PCS.		Mod.
20	62680	8 mm	MASTERGEAR REV.
	62682	10 mm	
	62683	11 mm	
	62684	12 mm	
	62685	13 mm	
	62686	14 mm	
	62687	15 mm	
16	62688	16 mm	
	62689	17 mm	
14	62691	19 mm	

MM

COD.		PCS.
55652	A	186

PCS.	COD. PCS.		Mod.
20	61530	8 mm	MASTERGEAR ART. / *MASTERGEAR JOINT*
	61532	10 mm	
	61533	11 mm	
	61534	12 mm	
	61535	13 mm	
	61536	14 mm	
	61537	15 mm	
16	61538	16 mm	
	61539	17 mm	
14	61541	19 mm	

180 PCS.

MM

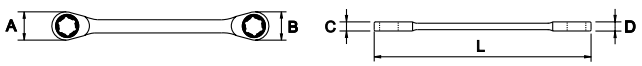


COD.		PCS.
65970	A	180

PCS.	COD. PCS.		Mod.
20	62653	10 mm	MASTERGEAR
	62655	12 mm	
	62656	13 mm	
16	62660	17 mm	
14	62662	19 mm	
20	62682	10 mm	MASTERGEAR REV.
	62684	12 mm	
	62685	13 mm	
16	62689	17 mm	
14	62691	19 mm	

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

MASTERGEAR E-TORX®*



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
62734	E6 x E8	120	18	18	7,4	7,4	49	10		
62735	E10 x E12	135		19		8,4	60			
62736	E14 x E16	180	22	25	8,4		105	8	•	A
62737	E18 x E20	200	26	29		10,0	145	10		
62738	E22 x E24	220	30	34	10,0	11,5	210			

DIN 1711 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SET

MM

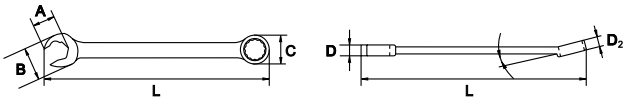
COD.		PCS.	COD. PCS.	Composición / *Composition* / Composition	g
69874	A	5	62734, 62735, 62736, 62737, 62738	E6 x E8 - E10 x E12 - E14 x E16 - E18 x E20 - E22 x E24	950



RAPID WRENCH

LLAVE COMBINADA RÁPIDA / *RAPID COMBINATION WRENCH* / **CLÉ MIXTE RAPIDE** / *RINGGABELSCHLÜSSEL RAPID* / **CHIAVE COMBINATA RAPIDA** / *CHAVE BOCA E LUNETA DE RETOMA RAPIDA* / **БЫСТРЫЙ КОМБИНИРОВАННЫЙ КЛЮЧ**

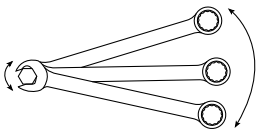
MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	D2 (mm)	g			
62740	8	140	6,5	18	15	5	7	32	10		
62742	10	160	8,0	22	17	6	8	55			
62743	11	170	9,5	24	19			70			
62744	12	175	10	26	20	7	9	80			
62745	13	180	11	28	21			90			
62746	14	195	12	31	23	8	10	110			
62747	15	210		33	24			135			
62748	16							150			
62749	17	230	14	37	27	9	12	170		•	A
62750	18										
62751	19	250	16	41	30	10	13	220	5		
62752	20										
62753	21	270	17	45	32	11	14	290			
62754	22	300		47	34			320			
62755	23		19	50				350			
62756	24	320						395			
62757	26	340	21	55	37		16	470			

DIN 1711





Acción carraca / *Ratchet action* / Action à cliquet

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

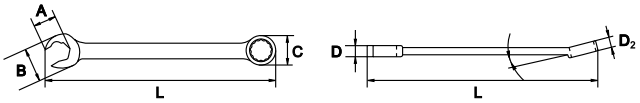
Cr-V

Acción carraca / *Ratchet action* / Action à cliquet

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

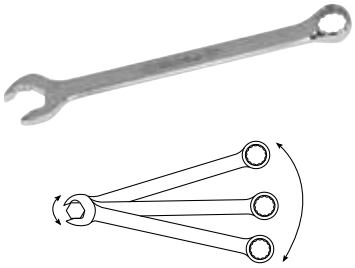
A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	D2 (mm)	g			
62759	3/8	160	8	22	17	6	8	55	10		
62760	7/16	170	9,5	24	19			70			
62761	1/2	180	11	28	21	7	9	90			
62762	9/16	195	12	31	23	8	10	110			
62763	5/8	210		33	24			150			
62764	11/16	230	14	37	27	9	12	170		●	A
62765	3/4	250	16	41	30	10	13	220			
62766	13/16	270	17	45	32	11	14	290	5		
62767	7/8	300		47	34			320			
62768	15/16	320	19	50				395			
62769	1	340	21	55	37		16	470			

DIN 1711



Acción carraca / *Ratchet action* / Action à cliquet

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

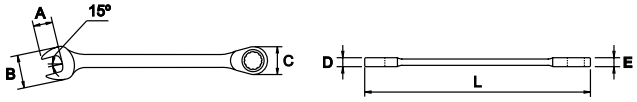
Cr-V

Acción carraca / *Ratchet action* / Action à cliquet

CLASSICGEAR

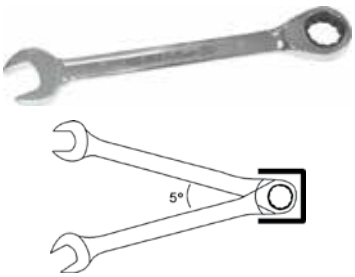
LLAVE COMBINADA DE CARRACA CLASSICGEAR / *CLASSICGEAR COMBINATION RATCHET WRENCH* / CLÉ MIXTE À CLIQUET CLASSICGEAR / *RATCHEN-RINGGABELSCHLÜSSEL CLASSICGEAR* / CHIAVI COMBINATE A CRICCO CLASSICGEAR / *CHAVE DE BOCA E LUNETA DE ROQUETE CLASSICGEAR* / CLASSICGEAR КОМБИНИРОВАННЫЙ КЛЮЧ С ТРЕЩЕТКОЙ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
63788	6	114	10	17	17	4,2	7	41	10		
63805	7										
63790	8	130		20	19	4,7	7,7	49			
63791	9										
63792	10	150	12	24	21	5,3	8,2	59			
63793	11	170	14	26	23	5,9	8,5	80			
63794	12	190	15	30	26	6,5	9,4	110			
63795	13		16								
63796	14	200	17	31	29	7,1	9,7	140			
63797	15										
63798	16	220	19	37	32	7,7	10,8	195		●	A
63799	17		20								
63800	18	240	21	41	35	8,3	11,3	230			
63801	19										
63802	21	250	22	44	39	8,9	11,8	280	8		
63803	22		23								
63804	24	270	26	50	44	9,4	12,3	360			
63926	27	290		55	48	10,2	13,1	520			
63927	30	320	32	60	55	11,2	14,1	650			
63928	32	390	36	65		12,4	15,8	940			

DIN 1711

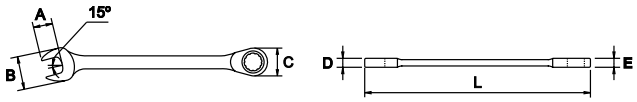


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

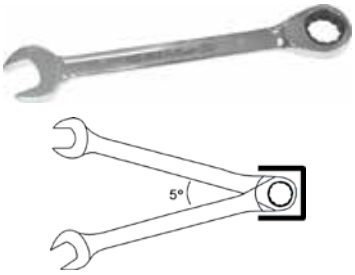
Cr-V

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
63806	5/16	130	10	20	19	4,7	7,7	50	10		
63807	3/8	150	12	24	21	5,3	8,2	60			
63808	7/16	170	14	26	23	5,9	8,5	80			
63809	1/2	190	16	30	26	6,5	9,4	110			
63810	9/16	200	17	31	29	7,1	9,7	140			
63811	5/8	220	20	37	32	7,7	10,8	195		●	A
63812	11/16		21								
63813	3/4	240		41	35	8,3	11,3	230			
63814	13/16	250	22	44	39	8,9	11,8	280	8		
63815	7/8		23								
63816	1	290	31	50	44	10,2	13,1	440			



DIN 1711

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SET

MM

COD.		PCS.		COD. PCS.	(mm)
68230	A	6	90056	63790, 63792, 63794, 63795, 63799, 63801	8, 10, 12, 13, 17, 19
68231		12	90083	63790, 63791, 63792, 63793, 63794, 63795, 63796, 63797, 63798, 63799, 63800, 63801	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



INCH

COD.		PCS.		COD. PCS.	(inch)
68232	A	6	90056	63806, 63807, 63808, 63809, 63812, 63813	5/16 - 3/8 - 7/16 - 1/2 - 11/16 - 3/4
68233		10	90054	63807, 63808, 63809, 63810, 63811, 63812, 63813, 63814, 63815, 63816	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 1

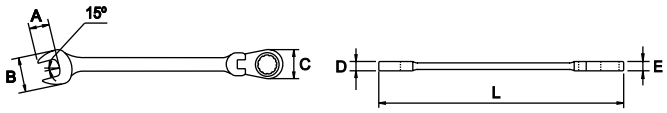


A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

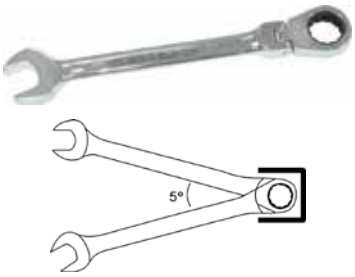
CLASSICGEAR ARTICULADA / *CLASSICGEAR JOINT* / CLASSICGEAR ARTICULÉE / *RATSCHENRINGGABELSCHLUSSEL MIT VERSTELLBAREM KOPF* / CLASSICGEAR SNODATA / *CLASSICGEAR ARTICULADA* / CLASSICGEAR ШАРНИР

LLAVE COMBINADA DE CARRACA ARTICULADA CLASSICGEAR / *CLASSICGEAR JOINT COMBINATION RATCHET WRENCH* / CLÉ MIXTE À CLIQUET ARTICULÉE CLASSICGEAR / *RATSCHEN-RINGGABELSCHLÜSSEL MIT VERSTELLBAREM KOPF* / CHIAVI COMBINATE A CRICCO ARTICOLATA CLASSICGEAR / *CHAVE DE BOCA E LUNETA DE ROQUETE ARTICULADO CLASSICGEAR* / CLASSICGEAR КОМБИНИРОВАННЫЙ КЛЮЧ С ПОВРОТНОЙ ТРЕЩЕТКОЙ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
63833	6	124	10	17	17	4,2	7	50		
63817	7									
63818	8	140		20	19	4,7	7,7	55		
63819	9									
63820	10	160	12	24	21	5,3	8,2	70		
63821	11	175	14	26	23	5,9	8,5	95	10	
63822	12	190	15	30	26	6,5	9,4	130		
63824	14	210	17	31	29	7,1	9,7	170		
63825	15								●	A
63826	16	230	19	37	32	7,7	10,8	220		
63828	18	250	21	41	35	8,3	11,3	260		
63830	21	260	22	44	39	8,9	11,8	310		
63831	22		23							
63832	24	270	26	50	44	9,4	12,3	390	8	
63930	27	290		55	48	10,2	13,1	540		
63931	30	320	32	60	55	11,2	14,1	670		
63932	32	390	36	65		12,4	15,8	1040		

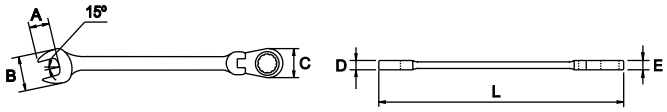


DIN 1711

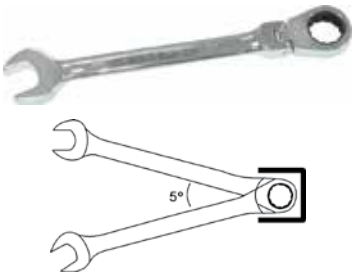
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
63834	5/16	140	10	20	19	4,7	7,7	50		
63835	3/8	155	12	24	21	5,3	8,2	70		
63836	7/16	175	14	26	23	5,9	8,5	95		
63837	1/2	195	16	30	26	6,5	9,4	130	10	
63838	9/16	210	17	31	29	7,1	9,7	170		
63839	5/8	230	19	37	32	7,7	10,8	220		
63840	11/16		20						●	A
63841	3/4	250	21	41	35	8,3	11,3	260		
63842	13/16	260	22	44	39	8,9	11,8	310		
63843	7/8		23						8	
63844	1	290	31	50	44	10,2	13,1	390		



DIN 1711

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

SET

MM

COD.		PCS.		COD. PCS.	(mm)
68234	A	6	90056	63818, 63820, 63822, 63823, 63827, 63829	8, 10, 12, 13, 17, 19
68235		12	90083	63818, 63819, 63820, 63821, 63822, 63823, 63824, 63825, 63826, 63828, 63829, 63827	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



INCH

COD.		PCS.		COD. PCS.	(inch)
68236	A	6	90056	63834, 63835, 63836, 63837, 63840, 63841	5/16 - 3/8 - 7/16 - 1/2 - 11/16 - 3/4
68237		10	90054	63835, 63836, 63837, 63838, 63839, 63840, 63841, 63842, 63843, 63844	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 1



EXPOSITORES CLASSICGEAR / *CLASSICGEAR DISPLAYS* / PRÉSENTOIRS CLASSICGEAR / *CLASSICGEAR AUSSTELLUNGSSTAND* / ESPOSITORI CLASSICGEAR / *EXPOSITORES CLASSICGEAR* / ДИСПЛЕЙ С ГАЕЧНЫМИ КЛЮЧАМИ CLASSICGEAR

186 PCS.

MM

COD.		PCS.
55653	A	186

PCS.	COD. PCS.		Mod.
20	63790	8 mm	CLASSICGEAR
	63792	10 mm	
	63793	11 mm	
	63794	12 mm	
	63795	13 mm	
	63796	14 mm	
	63797	15 mm	
16	63798	16 mm	
	63799	17 mm	
14	63801	19 mm	



MM

COD.		PCS.
55654	A	186

PCS.	COD. PCS.		Mod.
20	63818	8 mm	CLASSICGEAR ART. / *CLASSICGEAR JOINT*
	63820	10 mm	
	63821	11 mm	
	63822	12 mm	
	63823	13 mm	
	63824	14 mm	
	63825	15 mm	
16	63826	16 mm	
	63827	17 mm	
14	63829	19 mm	



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

180 PCS.

MM

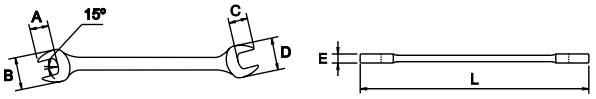
COD.		PCS.
65971	A	180

PCS.	COD. PCS.		Mod.
20	63792	10 mm	CLASSICGEAR
	63794	12 mm	
	63795	13 mm	
16	63799	17 mm	
14	63801	19 mm	
20	63820	10 mm	CLASSICGEAR ART. / *CLASSICGEAR JOINT*
	63822	12 mm	
	63823	13 mm	
16	63827	17 mm	
14	63829	19 mm	



LLAVES FIJAS / *OPEN-END WRENCHES* / CLÉS À FOURCHE / *GABELSCHLÜSSEL* / CHIAVI FISSE / *CHAVES DUAS BOCAS* / РОЖКОВЫЕ КЛЮЧИ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
67963	4-4,5	100	9,0	13	9,0	14	3,4	10		
67965	4-5									
67967	5-5,5			14		16				
67907	5-7	125	9,5	16	10	18	3,9	20		
61701	6-7							22		
62928	7-8				11			25		
61702	8-9	140	10	19		21	5,5	38		
67908	8-10							40		
61703	10-11	155	11	21		24		50		
62629	10-13	175		26		28		55		
67909	11-13									
61704	12-13		12	28				70		
67910	12-14		14							
67911	13-14									
67912	13-15	190		30	15	32	6,0	100		
67913	13-16	210				33				
61705	14-15						7,0	110	5	● B
67914	13-17					34				
62930	14-17			33		36		130		
61706	16-17			35	16					
67915	16-18									
61700	17-19		17	39	18	41	8,0	160		
61707	18-19	220	18							
67916	18-21					42		200		
62931	19-22	230	19	43	22	47				
61708	20-22									
61709	21-23	240	23	47	23	50	9,0	250		
63961	21-24	250								
67917	22-24									
61710	24-26	260	27	50	30	55		330		
61652	24-27	270								
61711	25-28		30					420		
61712	27-29	290		55	34	65	10	430		
67918	27-30	300	34		35			460		



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

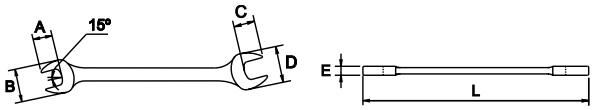
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
67919	27-32	320	34	60	35	65	10	460	5	●	B
61713	30-32						11	500			
67970	36-41		36	80	42	70	12	850			
67920	38-42	360	42	85		75		900			
67972	41-46	370		90	47	80	13	1200			
67974	46-50	400	47	100	50	90	14	1500			

DIN 3110

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
60315	3/16-7/32	105	4	14	5	15	3,7	15			
60300	1/4-5/16	120	8,0		9,0	17	3,6	22			
60301	5/16-3/8	140	10	20	12	22	3,8	38			
67941	5/16-11/32		11				4				
67931	11/32-13/32	145	12	22							
60302	3/8-7/16	160	13		13	24	5,5	50	10		
67942	7/16-1/2	175		26	15	28		55			
60303	1/2-9/16		14	27				60			
60304	9/16-5/8	190	17	30	17	33		70			
60305	19/32-11/16	200	18	35	19	38	6,0	85			
60306	5/8-11/16				18			115			
67943	5/8-3/4	210	19		20	36	7,0	125			
60307	11/16-3/4	220		38	21	40	6,0	130			
60308	3/4-25/32		21	39		41	6,5	160		●	A
67934	3/4-13/16			44			7,0	190			
60309	3/4-7/8	230			24	48		200			
60310	13/16-7/8		25	45	28	50	7,5	250			
67944	7/8-15/16	250		47				260			
60311	15/16-1	260	26	50		60	8,0	330	5		
67945	15/16-1.1/8	280			29			370			
67939	1-1.1/16				28			390			
60312	1-1.1/8			55	30			420			
60313	1.1/16-1.1/8		28		31		8,5	430			
60314	1.1/16-1.1/4	320	35	60	36	65	10	500			
67940	1.1/8-1.1/4	300		70				550			
67961	1.3/16-1.5/16										
67968	1.3/8-1.1/2	320	36			70		650	1		
67946	1.7/16-1.5/8				42	80	12	850			

DIN 3110

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

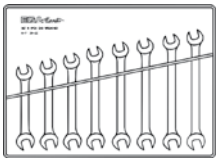
B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром
A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

SET

MM

COD.		PCS.		COD. PCS.	(mm)
69248	B	6	90052	61701, 61702, 61703, 61704, 61705, 61706	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69249		8	90053	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
69250		10	90054	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69251		12	90055	61701,61702,61703,61704,61705,61706,61707,61708,61709,61710,61711,61713	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32
69795				61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61652, 61711, 61713	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32





INCH

COD.		PCS.		COD. PCS.	(inch)
69310	A	6	90052	60302, 60303, 60304, 60305, 60306, 60310	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 13/16-7/8
69311		8	90053	60302, 60303, 60304, 60305, 60306, 60310, 60309, 60311	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1
69312		10	90054	60300, 60301, 60302, 60303, 60304, 60306, 60310, 60311, 60312, 60314	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
69313		12	90055	60300, 60301, 60302, 60303, 60304, 60306, 60310, 60311, 60312, 60313, 60314, 60309	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 1.1/16-1.1/4

MM

COD.		PCS.	COD. PCS.	(mm)
68453	B	6	61701, 61702, 61703, 61704, 61705, 61706	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69446		8	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
68454		10	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69447		12	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61713	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32



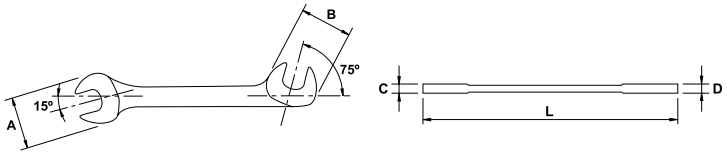
INCH

COD.		PCS.	COD. PCS.	(inch)
68467	A	6	60302, 60303, 60304, 60305, 60306, 60310	3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 19/32 - 11/16 - 5/8 - 11/16 - 13/16 - 7/8
69452		8	60301, 60302, 60303, 60304, 60305, 60306, 60308, 60310	5/16 - 3/8 - 3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 19/32 - 11/16 - 5/8 - 11/16 - 3/4 - 7/8 - 13/16 - 7/8
69453		12	60300, 60301, 60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312, 60313, 60314	1/4 - 5/16 - 5/16 - 3/8 - 3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 5/8 - 11/16 - 3/4 - 7/8 - 13/16 - 7/8 - 15/16 - 1 - 1 - 1.1/8 - 1.1/16 - 1.1/8 - 1.1/16 - 1.1/4

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром
A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

LLAVES FIJAS MICROMECÁNICAS A 15º Y 75º / *15º AND 75º MICROMECH OPEN END WRENCHES* / CLÉS À FOURCHES MICROMÉCANIQUES À 15º ET 75º / *DOPPEL-MAULSCHLÜSSEL ELEKTRIKER 15° UND 75° MAULEINSTELLUNG* / CHIAVI FISSE MICRO MECCANICHE A 15º Y 75º / *CHAVES DE BOCAS MICROMECÂNICAS DE 150 E 750* / РОЖКОВЫЙ КЛЮЧ ДЛЯ МИКРОМЕХАНИКИ 15° И 75°

MM



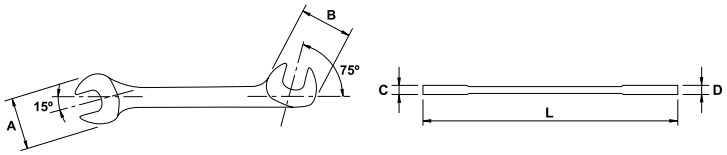


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
58520	3,2mm	70	10	10	2.4	2.4	6	20	●	B
58521	4mm									
58522	4,5mm	75	13	13			8			
58523	5mm									
58524	5,5mm									
58525	6mm	80	15	15	2.7	2.7	10			
58526	7mm									
58527	8mm	90	19	19	3	3	16			
58528	9mm									
58529	10mm	100	22	22			22			
58530	11mm									
58531	12mm	120	27	27	3.5	3.5	36			
58532	13mm									
58533	14mm									
58534	15mm	139.4	33	33	5	5	68			
58535	16mm									
58536	17mm									

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
58550	1/8	70	10	10	2.4	2.4	6	20	●	B
58537	5/32									
58538	3/16	75	13	13			8			
58539	7/32									
58540	1/4	80	15	15	2.7	2.7	10			
58541	9/32									
58542	5/16	90	19	19	3	3	16			
58543	11/32									
58544	3/8	100	22	22			22			
58545	7/16									
58546	1/2	120	27	27	3.5	3.5	36	10		
58547	9/16									
58548	5/8	139.4	33	33	5	5	68			
58549	11/16									

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

SET

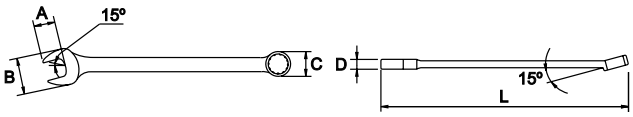
COD.	PCS.		Kg
51651	11	51071	0,6

PCS.	Composición / *Composition* / Composition	
11	58537, 58538, 58539, 58540, 58541, 58542, 58543, 58544, 58545, 58546, 58547	5/32"- 3/16"-7/32"-1/4"-9/32"-5/16"-11/32"-3/8"-7/16"-1/2"-9/16"



LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *RINGGABELSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАНЫЕ КЛЮЧИ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
63965	3,2	70	3,7	11	10	3,0	8,0		
63966	4	65		8,5	8,0		9,0		
67880	4,5	70	4,0	9,0	8,5		10		
63967	5	80	4,5	11	9,0				
67881	5,5	100	7,0	14	11		16		
61725	6			16	12	3,3			
61726	7	110				3,6	20		
61727	8	120	10	18	13	4,5	25		
61728	9	130		19	15	5,0	30		
61729	10	140	11	21	17	5,5	38		
61730	11	160	12	23	18		45	10	
61731	12		14	25	19	6,5	52		
61732	13		15	27	20		70		
61733	14	180	16	29	21		75		
61734	15	190		32	23		90		
61735	16	200		33	24				
61736	17	210	18	35	26	7,5	110		●
61737	18		21	38		8,0	135		
61738	19	230		39	29		160		
61739	20	240	23	41	30		180		
61740	21	250	24	46	31		210		B
61741	22	260	25	48	33		220		
61742	23		26		35		260		
61743	24	280		49			280		
61744	25	300	29	50	36	9,0	290		
61745	26			55	37		360		
61746	27	330			41	10	420	5	
61747	28	340	32	60	42	11	450		
61748	29			65			500		
61749	30		33		43		550		
62730	31		32,5	60,5	43,5	10,2	488		
61750	32	350	34	65	47	11	600		
57062	33	360		70	49	14			
60951	34	385		75	52				
57063	35	380	35				650		
60952	36	405	36	80	55	15	900		
57064	37	400		75	60	14	800		
60953	38	410	38	83	58	16	1000	1	-
67895	40	450	41	88	63	17	1300		
60954	41								
57065	42	440	42	85	60	16	1200		
57066	44	500	46	90	65		1500		



B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

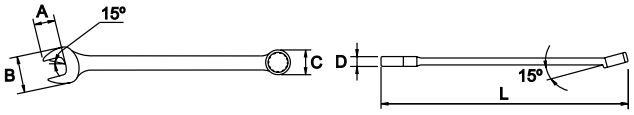
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
60955	46	500	46	96	70	18	1800			
57067	48	530	48	100	75		2200			
60956	50	535	50	105	76	19	2300	1	-	B
67882	55	600	60		80		3000			
67883	60	650	65	115	90	21	3550			
67884	65	700	70	125	95	23	3800			

DIN 3113

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
58169	1/8	70	3,7	11						
67953	3/16	95	5,0	14	9,0	3,0	8,0			
67954	7/32									
61653	15/64	100	6,5			3,8	16			
60340	1/4									
67885	9/32	110	7	20	12,5	4	17			
60341	5/16	120	9,0	17	12	4,5	25			
67878	11/32	130	10	19	15	5,5	28			
60342	3/8	140	11	26	16		38			
58460	13/32	142,5	10	27	17	5				
60343	7/16	170	14	26	20	6,0	45			
58461	15/32	162,5	12	32		5,5	58	10		
60344	1/2	180	15	29	21	6,5	70			
58462	17/32	182,5	14	35	23		76			
60345	9/16	180	16	29	21	7,0	75			
60346	19/32	190		31	23	7,5	90			
60347	5/8	200	17	32	25				●	
58463	21/32	212,5		42	27	8	126			
60348	11/16	220	19	37	28	8,0	130			
58464	23/32	222,5	18	44	28,5	9	138			A
60349	3/4	220	20	37	28	8,0	160			
60350	25/32	240	22	41	31		180			
60351	13/16	250	23	43	32	8,5	210			
58465	27/32	252,5	21	50	33,5	10				
60352	7/8	280	24	48	35	8,5	220	5		
58466	29/32	272,5	23	56	38	12	244	10		
60353	15/16	290	26	50	36	8,5	280	5		
58467	31/32	292,5	25	58	40	12	321	10		
60354	1	290	27	50	38	9,0	300			
60355	1.1/16	310	29	55	39		420			
60356	1.1/8	360	33	60	42	10	450	5		
60357	1.3/16				43	11	500			
60358	1.1/4	390	34		45		600			
60957	1.5/16	380	36	65	51	13				
60958	1.3/8	405		80	55	15	900			
60961	1.7/16							1	-	
60959	1.1/2	407	38	83	58	16	1000			
67840	1.9/16	410	39	80	60					
60962	1.5/8	446	41	88	63	17	1300			

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром
A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
67841	1.11/16	450	41	90	65	17	1300			
60897	1.3/4	500	46	96	70	18	1800			
60898	1.13/16									
60899	1.7/8									
67842	1.15/16	550	50	105	75	19	2300	1	-	A
60960	2	535			76					
60905	2.3/16	600	55		80	20	2200			
61099	2.1/4						2800			
67955	2.3/8	650	60	115	90	21	2900			
67956	2.1/2	700	65	125	95	23	2300			

DIN 3113

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

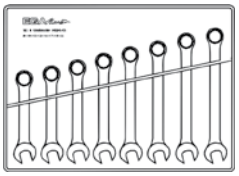
Cr-V

SET

MM

COD.		PCS.		COD. PCS.	(mm)
69262	B	6	90080	61727, 61729, 61731, 61733, 61736, 61738	8, 10, 12, 14, 17, 19
69263		8	90081	61727, 61729, 61731, 61732, 61733, 61736, 61738, 61741	8, 10, 12, 13, 14, 17, 19, 22
69277		10	90082	61727, 61728, 61729, 61730, 61731, 61732, 61733, 61736, 61738, 61741	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
69278		12	90083	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
68514		13	90060	61725, 61727, 61729, 61730, 61732, 61733, 61734, 61736, 61738, 61739, 61741, 61743, 61744	6, 8, 10, 11, 13, 14, 15, 17, 19, 20, 22, 24, 25
69265		14	90063	61729, 61730, 61731, 61733, 61735, 61736, 61738, 61739, 61741, 61743, 61744, 61746, 61747, 61750	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
69796				61729, 61730, 61731, 61733, 61735, 61736, 61738, 61739, 61741, 61743, 61744, 61746, 61749, 61750	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 30, 32
68522		15	90061	61729, 61730, 61732, 61733, 61734, 61736, 61738, 61739, 61741, 61743, 61746, 61748, 61749, 61750, 61744	10, 11, 13, 14, 15, 17, 19, 20, 22, 24, 25, 27, 29, 30, 32
69279		17	90064	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
69556				61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61743	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
69280		26	90065	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32





INCH

COD.		PCS.		COD. PCS.	(inch)
69330	A	6	90080	60342, 60343, 60344, 60345, 60347, 60349	3/8, 7/16, 1/2, 9/16, 5/8, 3/4
69331		8	90081	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
69332		10	90082	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60354	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
69333		12	90083	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
68502		13	90060	60340, 60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
69334		14	90063	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354, 60355, 60356, 60358	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4
68505		15	90061	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354, 60355, 60356, 60357, 60358	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4
69335		17	90064	60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

MM

COD.		PCS.	COD. PCS.	(mm)
68457	B	6	61727, 61729, 61731, 61733, 61736, 61738	8, 10, 12, 14, 17, 19
69450		8	61727, 61728, 61729, 61730, 61731, 61733, 61736, 61738	8, 9, 10, 11, 12, 14, 17, 19
68456		10	61727, 61728, 61729, 61730, 61731, 61732, 61733, 61736, 61738, 61741	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
69451		12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17



INCH

COD.		PCS.	COD. PCS.	(inch)
68469	A	6	60342, 60343, 60344, 60345, 60347, 60349	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 3/4
69454		8	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349	5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4
68470		10	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60354	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 1
69455		12	60341, 60342, 60343, 60344, 60345, 60348, 60347, 60349, 60351, 60352, 60353, 60354	5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 15/16 - 1

EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

165 PCS.

MM

COD.		PCS.
55656	B	165

PCS.	COD. PCS.	
20	61727	8 mm
	61729	10 mm
	61730	11 mm
	61731	12 mm
	61732	13 mm
15	61733	14 mm
14	61734	15 mm
13	61735	16 mm
12	61736	17 mm
11	61738	19 mm



162 PCS.

INCH

COD.		PCS.
55657	A	162

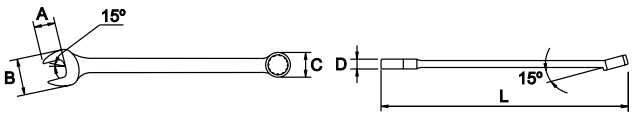
PCS.	COD. PCS.	
20	60342	3/8"
	60343	7/16"
	60344	1/2"
	60345	9/16"
17	60347	5/8"
15	60348	11/16"
	60349	3/4"
13	60351	13/16"
12	60352	7/8"
10	60354	1"



B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром
A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

LLAVES COMBINADAS EXTRA LARGAS / *EXTRA-LONG COMBINATION WRENCHES* / CLÉS MIXTES EXTRA-LONGUES / *RINGMAULSCHLÜSSEL EXTRA LANG* / CHIAVE COMBINATA EXTRA LUNGHE / *CHAVES COMBINADAS EXTRA-LARGAS* / КЛЮЧ КОМБИНИРОВАННЫЙ УДЛИНЕННЫЙ

MM





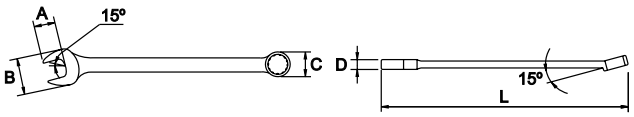
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
56405	6	130	7	14	11	5	18	10		
56406	7	140		15	12	5,5	20			
56407	8	150	10	18	14	6	30			
56408	9	160		20	15	6,5	35			
56409	10	170	11	22	16	7	50			
56410	11	180	12	24	18	7,5	55			
56411	12	195	14	26	19	8	65			
56412	13	210	15	27	21	8,5	95			
56413	14	220	16	30	22	9,5	115			
56414	15	230		32	23	10	120			
56415	16	240		34	24	11	160			
56416	17	250	18	37	27	12	190			
56417	18	270	21	38	28		195		●	B
56418	19	280		40	29	13	260			
56419	20	290	23	42	30		300			
56420	21	300	24	43	32	14	320			
56421	22	310	25	45			330			
56422	23	330	26	46	34	15	380			
56423	24	340		50	36	16	450			
56424	25	350	29	53	37	17	530	5		
56425	26	370		54	38	18				
56426	27	390	32	56	40					
56427	28			57	41	19	760			
56428	29	410		59	43	20				
56429	30	420	33	60	44		820			
56430	32	440	34	65	47	21	1000			

DIN 3113

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
56432	3/4	280	19	40	29	8,5	260	10		
56433	13/16	300	21	43	32	9	320			
56434	7/8	310	22	45	33	9,5	330	5		
56435	15/16	340	24	50	36	10	440		●	A
56436	1	350	25	53	37	11	530			
56437	1.1/16	390	27	56	40	12				
56438	1.1/8	410	29	59	43	13	760			
56439	1.1/4	440	32	65	47	14	1000			

DIN 3113

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

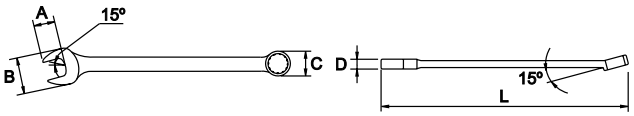
Cr-V

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
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ISO 14001:2015
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to the Management Quality

LLAVES COMBINADAS MAXI / *MAXI COMBINATION WRENCHES* / CLÉS MIXTES MAXI / *MAXI RING-MAUL-SCHLÜSSEL* / CHIAVI COMBINATE MAXI / *CHAVAS COMBINADAS MAXI* / КОМБИНИРОВАННЫЕ КЛЮЧИ МАКСИ

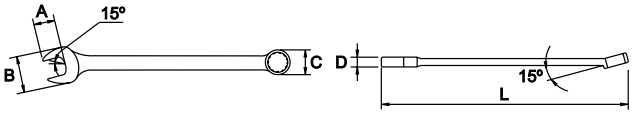
MM





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg		
55300	70	650	75	145	115	24	4,2	1	-
55301	75								
55302	80	700	85	160	120	26	5,4		
55303	85								
55304	90	750	95	180	140	27	7,1		
55305	95								
55306	100	800	105	195	150		8,4		
55307	105								
55308	110	850	115	210	165	28	9,8		
55309	115								
55310	120	900	125	230	180		12,1		
55311	125								

INCH



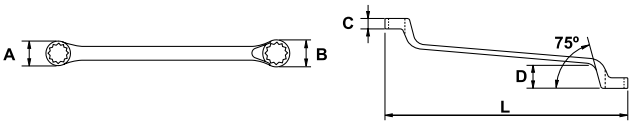


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg		
55322	2.3/4	650	75	145	115	24	4,2	1	-
55312	3								
55313	3.1/4	700	85	160	120	26	5,3		
55314	3.1/2	750	95	180	140	27	7,2		
55315	3.3/4	800	105	195	150				
55323	3.7/8	850	115	210	165	28	8,4		
55316	4								
55317	4.1/4						9,8		
55318	4.1/2								
55319	4.3/4	900	125	230	180		12,1		
55320	5								

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LLAVES ACODADAS / *DOUBLE OFFSET RING WRENCHES* / CLÉS POLYGONALES CONTRE-COUDÉES / *RINGSCHLÜSSEL* / CHIAVI POLIGONALI / *CHAVES LUNETA* / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

MM





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
61774	5,5-6	165	11	12	4,5	19	45			
61775	6-7	170					50			
67843	7-8	180	13	16	6,5	17	55			
61776	8-9		15	17			65			
67844	8-10				7,0		55			
61777	10-11	200	17	19	7,5	22	85			
67845	10-12									
67846	10-13	220	19	20	9,0		90			
67847	11-13									
67848	11-14						110	10		
61778	12-13			21		23				
67849	12-14						120			
67850	13-14						125			
61779	14-15	240	21	24	9,5	25	140			
67851	13-16	250		23	10					
67852	13-17						155			
67853	14-17				11		160		●	
61780	16-17	260	25	27			180			
67854	16-18		27		12		200			B
67855	17-19	290		29	13		220			
61781	18-19		28			27				
67856	18-21	320	31	33		26	270	8		
67857	19-22						280			
61782	20-22		32	34		29	360			
61783	21-23	330	35	39	15	30	400	5		
67858	21-24		36				410			
67859	22-24						450			
61784	24-26	340		41			490			
61788	24-27		37	42		31				
61785	25-28	350	39	43		32	600			
61786	27-29									
67860	27-30	360	41	44	16		650			
61787	30-32	370	44	47		33	700			
67861	32-36	400	55	48	18	38	750		-	
67862	34-36	420		50	19	41	900			
61789	36-41	550	70	75		49	1100			
67863	41-46	460	65	60	21	45	1600			
61790	46-50	550	70	75	20	50	2000			

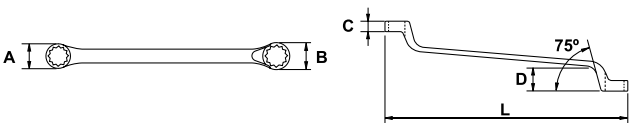
DIN 838

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

INCH





COD.	inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
60380	1/4-5/16	170	10	12	5,5	18	50			
67886	5/16-11/32	180	13	16	6,0	17	55			
60381	5/16-3/8	185			5,5	20	65			
60382	3/8-7/16	200	14		7,0	22	85			
67887	7/16-1/2	220	19	20	9,0		90			
60383	1/2-9/16	240	21	23		24	100	10		
60384	9/16-5/8		20			26	125			
60385	19/32-11/16	260	24	25	10	27	130			
60386	5/8-11/16	290	26	27	13	30	140			
67888	5/8-3/4			29			165			
60387	11/16-3/4						180			
67889	11/16-13/16	320	31	30	14	31	240		●	A
60388	3/4-25/32									
60389	3/4-7/8						360			
67890	3/4-13/16			33			380			
60390	13/16-7/8		30				400			
67891	7/8-15/16	330	34	37	15		440			
67892	7/8-1.1/16	340	38	41			470	5		
60391	15/16-1	320								
67893	1-1.1/16	340								
60392	1-1.1/8	350	43	48		35	600			
60393	1.1/16-1.1/8	360	44							
60394	1.1/16-1.1/4					36	650			
67894	1.1/8-1.1/4	370		65	16					

DIN 838

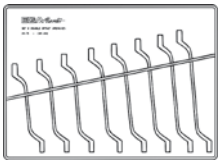
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SET

MM





COD.		PCS.		COD. PCS.	(mm)
69255	B	6	90056	61778, 61775, 61776, 61777, 61779, 61780	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69239		8	90057	61778, 61775, 61776, 61777, 61779, 61780, 61781, 61782	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
69256		10	90058	61778, 61775, 61776, 61777, 61779, 61780, 61781, 61782, 61783, 61784	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69257		12	90059	61778, 61782, 61783, 61784, 61785, 61787, 61775, 61776, 61777, 61779, 61780, 61781	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

INCH

COD.		PCS.		COD. PCS.	(inch)
69320	A	6	90056	60382, 60383, 60384, 60385, 60386, 60390	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 13/16-7/8
69321		8	90057	60382, 60383, 60384, 60385, 60386, 60390, 60389, 60391	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1
69322		10	90058	60380, 60381, 60382, 60383, 60384, 60386, 60390, 60391, 60392, 60394	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
69323		12	90059	60381, 60382, 60383, 60384, 60386, 60390, 60391, 60392, 60393, 60394, 60380, 60389	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 1.1/16-1.1/4

MM

COD.		PCS.	COD. PCS.	(mm)
68463	B	6	61778, 61775, 61776, 61777, 61779, 61780	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
68464		8	61778, 61775, 61776, 61777, 61779, 61780, 61781, 61782	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
68465		10	61780, 61782, 61776, 61784, 61775, 61777, 61779, 61781, 61783, 61778	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26



INCH

COD.		PCS.	COD. PCS.	(inch)
68471	A	6	60382, 60383, 60384, 60385, 60386, 60390	3/8-7/16 - 1/2- 9/16 - 9/16-5/8 - 19/32-11/16 - 5/8- 11/16 - 13/16- 7/8
68472		8	60382, 60383, 60384, 60385, 60386, 60390, 60389, 60391	3/8-7/16, 1/2-9/16 - 9/16-5/8 - 19/32-11/16 - 5/8-11/16 - 3/4-7/8 - 13/16-7/8 - 15/16-1
68473		10	60380, 60381, 60382, 60383, 60384, 60386, 60387, 60389, 60390, 60391	1/4-5/16 - 5/16-3/8 - 3/8-7/16 - 1/2-9/16 - 9/16-5/8 - 5/8-11/16 - 11/16-3/4 - 3/4-7/8 - 13/16-7/8 - 15/16-1

EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

165 PCS.

MM

COD.		PCS.
55658	B	165

PCS.	COD. PCS.	
20	61775	6-7 mm
	61776	8-9 mm
	61777	10-11 mm
	61778	12-13 mm
	61779	14-15 mm
15	67852	13-17 mm
14	61780	16-17 mm
13	61781	18-19 mm
12	67855	17-19 mm
11	61782	20-21 mm



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

162 PCS.

INCH

COD.		PCS.
55659	A	162

PCS.	COD. PCS.	
20	60380	1/4-5/16"
	60381	5/16-3/8"
	60382	3/8-7/16"
	60383	1/2-9/16"
	60384	9/16-5/8"
14	60385	19/32-11/16"
	67888	5/8-3/4"
12	60387	11/16-3/4"
	67889	11/16-13/16"
10	60390	13/16-7/8"



KIT DEMO 6 LLAVES / *6 SPANNER DEMO KIT* / KIT DÉMO. 6 CLÉS / *DEMOKIT 6 SCHLÜSSEL* / KIT 6 CHIAVI DI DIMOSTRAZIONE / *KIT DEMO 6 CHAVES* / ДЕМО НАБОР 6 КЛЮЧЕЙ

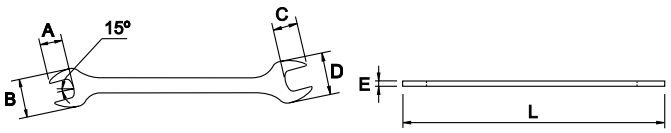
COD.	g
69342	300

COD. PCS.		mm
61727	Aerospacial / *Aerospatial*	8
38092	INOX	
73062	1000V	
70172	Cu-Be	
70684	Al-Bron	
71669	Titanio / *Titanium*	



LLAVES FIJAS EXTRAFINAS / *SLIM OPEN-END WRENCHES* / CLÉS À FOURCHE EXTRA-FINES / *DOPPELMAULSCHLÜSSEL EXTRA DÜNN* / CHIAVI FISSE EXTRAFINE / *CHAVE DE BOCAS EXTRA-FINA* / ТОНКИЕ РОЖКОВЫЕ КЛЮЧИ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
56200	6 x 7	150	7	17	8	20	2,2	21	10	●	B
56201	8 x 9	175	9	21	10	25	2,6	40			
56202	10 x 11		11		12						
56203	12 x 13	210	13	29	14	34	3,6	85			
56204	14 x 15		16		17						
56205	16 x 17	250	18	38	18	43	4,6	170			
56206	18 x 19		20		21						
56207	20 x 22	290	24	49	26	55	5,6	330			
56208	21 x 23										
56209	22 x 24										

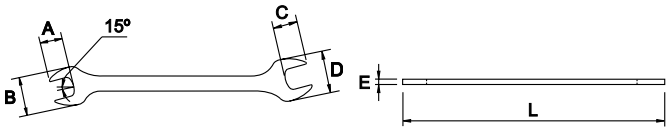


ISO 3318

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
56210	1/4 x 5/16	150	7	17	8	20	2,2	21			
56211	5/16 x 3/8	175		21		25	2,6	40			
56212	3/8 x 7/16		11		12						
56213	7/16 x 1/2	210	13	29	14	34	3,6	85	10	●	B
56214	1/2 x 9/16		16		17						
56215	5/8 x 11/16	250	18	38	18	43	4,6	170			
56216	11/16 x 3/4		20		21			175			
56217	13/16 x 7/8	290	24	49	26	55	5,6	330			

ISO 3318



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SET

MM

COD.		PCS.		COD. PCS.	(mm)
56226	B	6	90056	56201, 56202, 56203, 56204, 56205, 56206	8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19
56227		10	90054	56200, 56201, 56202, 56203, 56204, 56205, 56206, 56207, 56208, 56209	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 22 x 24



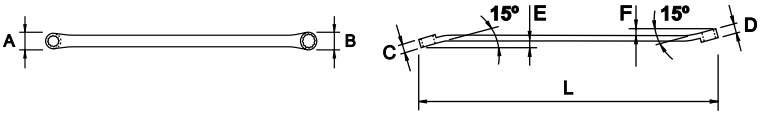
INCH

COD.		PCS.		COD. PCS.	(inch)
56228	B	6	90056	56212, 56213, 56214, 56215, 56216, 56217	3/8 x 7/16 - 7/16 x 1/2 - 1/2 x 9/16 - 5/8 x 11/16 - 11/16 x 3/4 - 13/16 x 7/8
56229		8	90081	56210, 56211, 56212, 56213, 56214, 56215, 56216, 56217	1/4 x 5/16 - 5/16 x 3/8 - 3/8 x 7/16 - 7/16 x 1/2 - 1/2 x 9/16 - 5/8 x 11/16 - 11/16 x 3/4 - 13/16 x 7/8

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

LLAVES ESTRELLA DE DOS BOCAS EXTRAFINAS COMPENSADAS A 15º / *SLIM DOUBLE RING WRENCHES 15º BENT* / CLÉS POLYGONALE DOUBLE EXTRA-FINES COMPENSÉES À 15º / *DOPPEL-RINGSCHLÜSSEL DÜNN 15° GEKRÖPFT* / CHIAVI POLIGONALI A DUE BOCCHE A 15° / *CHAVE DE LUNETA EXTRA-FINA DE 15º* / ТОНКИЕ КЛЮЧИ ДВОЙНАЯ ЗВЕЗДОЧКА С ИЗГИБОМ НА 15º

MM



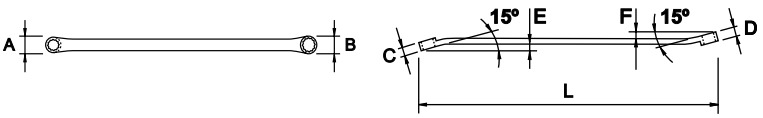


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g			
58904	6-7	205	11	14	6,5	8	4	4	50	10	●	B
58905	8-9	235	13	16	7,5		4,5	6	70			
58906	10-11	290	16	19	8	8,5	5	6,5	120			
58907	12-13	328	19	23	10	11	8		160			
58908	14-15	368	22		11	12	6	6	250			
58909	16-17	388	24	28	12,5	14	5	5	300			
58910	18-19	408	28	29	14	14,5			400			

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g			
56230	7/32-1/4	205	11	14	6,5	7,5	4,0	4,0	50	10	●	B
56231	1/4-5/16											
56232	5/16-3/8	235	13	16		8,0	4,5	6,0	70			
56233	3/8-7/16	290	16	19	8,0	9,0	5,0	5,5	120			
56234	1/2-9/16	330	19	21	10	11	8,0	6,5	160			
58911	5/8-11/16	390	25	27	13	14	5	5	300			
58912	11/16-3/4	410	27	29	14	15			400			

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SET

INCH

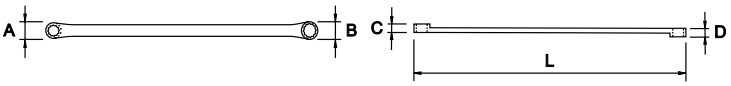
COD.		PCS.		COD. PCS.	(inch)
56240	B	5	90056	56230, 56231, 56232, 56233, 56234	7/32-1/4, 1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16



B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

LLAVES ESTRELLA PLANAS DE DOS BOCAS EXTRAFINAS / *SLIM FLAT DOUBLE RING WRENCHES* / CLÉS POLYGONALE PLATES DOUBLE EXTRA-FINES / *DOPPEL-RINGSCHLÜSSEL DÜNN* / CHIAVI POLIGONALI PIATTE A DUE BOCCHE EXTRAFINE / *CHAVE DE LUNETA PLANA EXTRA-FINA* / ТОНКИЕ ПЛОСКИЕ КЛЮЧИ ДВОЙНАЯ ЗВЁЗДОЧКА

INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
56235	7/32-1/4	205	11	13	6.5	7.5	50			
56236	1/4-5/16									
56237	5/16-3/8	235	13	16		8.0	75	10	●	B
56238	3/8-7/16	290	16	19	8.0	9.0	115			
56239	1/2-9/16	330	20	23	9.5	11	160			

DIN 838

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

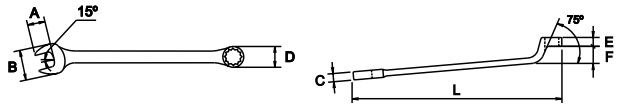
INCH



COD.	PCS.		COD. PCS.	(inch)
56241	B 5	90056	56235, 56236, 56237, 56238, 56239	7/32-1/4, 1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16

COMBINADA ACODADA / *COMBINATION DEEP OFFSET SPANNER* / MIXTE CONTRE-COUDÉE / *RINGMAULSCHLÜSSEL* / CHIAVE COMBINATA A CONTROGOMITO / *BOCA E LUNETA CONTRA-COTOVELO* / КОМБИНИРОВАННЫЕ КЛЮЧИ С ГЛУБОКИМ ИЗГИБОМ

MM





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g			
60740	6	115	9,5	17	3,7	12	6,0	5,0	17			
60741	7	125	10	20	4,0	13	6,5	5,5	25			
60742	8	140	11	23	4,5	14	7,5	6,0	23			
60743	9	145				15		7,0	40			
60744	10	150	12			16	8,0	7,5	43			
60745	11	170	14	27	5,0	18	8,5	8,0	65			
60746	12	185	15	30	5,5	20	9,0	8,5				
60747	13	190	16			21	9,5	12	90	10		
60748	14	200		31	6,0	22	10	16	95			
60749	15	210	18	35		24		18	115		●	B
60750	16	230	19	38	8,0	26	12	20	130			
60751	17	250	20		8,5	27			170			
60752	18	260	21	40		29		21	175			
60753	19	280	22	43		31	13	23	240			
60755	21	290	23	46	9,0	33		24	250			
60756	22	300		47		34	14	25	270	5		
60757	23		24						320			
60758	24	320	26	49	9,5	36		26	350			
60759	25	340	28	50		38		30	380			

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g			
60760	26	350	28	50	10	38	14	30	420	5	●	B
60761	27	360	29	55		39			410			
60762	28	370	30	60		42	16	32	470			
60763	29	380	32		11	45	18	34	550			
60764	30	400	33	65		46			600			
60765	32	410	34	70		47		35	750			

DIN 3113-B

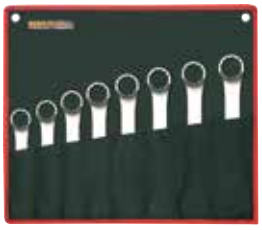
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SET

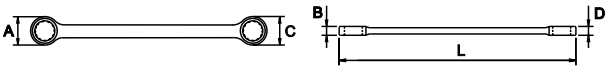
MM

COD.		PCS.		COD. PCS.	(mm)
68568	B	8	90081	60742, 60743, 60744, 60745, 60746, 60747, 60748, 60751	8, 9, 10, 11, 12, 13, 14, 17
68569		12	90083	60742, 60743, 60744, 60745, 60746, 60747, 60748, 60749, 60751, 60752, 60753, 60756	8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 22



ESTRELLA PLANA / *DOUBLE ENDED FLAT RING SPANNER* / POLYGONALE PLATE / *DOPPELRINGSCHLÜSSEL* / POLIGONALE DIRITTA / *LUNETA DIREITA* / ДВОЙНАЯ ИЗОГНУТАЯ ПЛОСКАЯ ЗВЕЗДОЧКА

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
60770	6-7	120	11	5	12	5	25	10	●	B
60771	8-9	135	13	5,5	15	5,5	30			
60772	10-11	150	16	6,4	17	6,4	50			
60773	12-13	165	20	7	21	7	70			
60774	14-15	185	21	8	24	8	90			
60775	16-17	210	24	8,5	27	8,5	120			
60776	17-19	225	27	9	29	9	150			
60777	18-19									
60778	20-22	240	31	10	34	10	200			
60779	21-23	255	32	10,5	35	10,5	240	5		
60780	24-27	270	37	11	39	11	300			
60781	25-28	285	38	13	42	13	360			
60782	30-32	335	45	14	48	14	530			

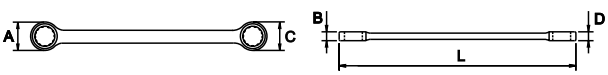
DIN 837



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
57775	3/8-7/16	150	16	7,5	20	7,5	49	10	●	B
57776	1/2-9/16	165	19	8,5	21	8,5	65			
57777	11/16-3/4	225	27	10	28	10	150			
57778	13/16-7/8	240	30	12	33	12	175			



B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
57779	15/16-1	270	36	12	38	12	280	5	●	B

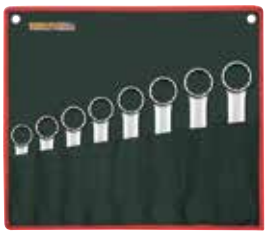
DIN 837

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

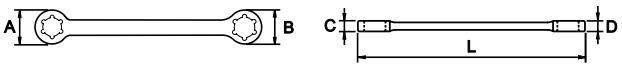
Cr-V

SET

COD.		PCS.		COD. PCS.	(mm)
68589	B	8	90081	60771, 60772, 60773, 60774, 60775, 60777, 60778, 60779	8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23
68607		12	90083	60770, 60771, 60772, 60773, 60774, 60775, 60777, 60778, 60779, 60780, 60781, 60782	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32



TORX®*



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
57718	E6 x E8	113	9	11	4.5	5.5	20	10	●	A
57719	E7 x E11	127	12	16	6	7	29			
57720	E10 x E12	142	14	17	6.5	8	31			
57721	E14 x E18	182	17	21	8	10	75			
57722	E16 x E22	204	19	26	9	12	115			
57723	E20 x E24	224	25	29	11	13	160			

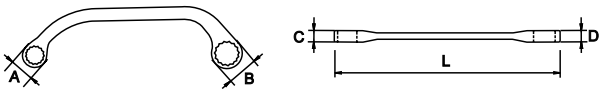


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

MEDIA LUNA / *HALF MOON* / DEMI-LUNE / *STARTER BLOCKSCHLÜSSEL* / A MEZZALUNA / *MEIA-LUNA* / МОТОРНЫЙ КЛЮЧ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
57158	6-8	135	15	19	8	8	55	10	●	B
57155	7-9									
57159	8-10									
57156	10-12	150	20	22	9	9	90			
60795	11-13			23						
57160	13-15	175	25	28	10	10	110			
60796	13-17	185					120			
57161	14-16						160			
60797	14-17									
57162	17-19	210	28	31	11	11	180			
57157	18-20									
60798	19-22	230	31	35	12	12	280			
57163	21-22		32				300			



DIN 475

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

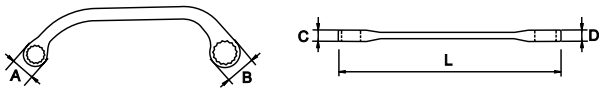
Cr-V

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
57148	1/4- 5/16	135	15	19	8,0	8,0	55	10	●	B
57149	5/16- 3/8									
57150	7/16- 1/2	155	20	23	9,0	9,0	90			
57151	9/16- 5/8	185	25	28	10	10	160			
57152	11/16- 3/4	210	28	31	11	11	210			
57153	13/16- 7/8	230	32	35	12	12	300			



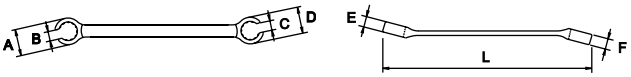
DIN 475

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

PARA RACORES / *FLARE NUT* / POLYGONALE À TUYAUTER / *OFFENER DOPPELRINGSCHLÜSSEL* / CHIAVE PER RACCORDI / *LUNETAS ABERTAS COM BATENTE* / КЛЮЧ ПРОКАЧНОЙ РАЗРЕЗНОЙ

MM



COD.	AF mm	Pt	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g			
60785	8-10	6	145	19	6,0	7,5	21	7,5	9,0	45	10	●	B
60786	9-11		150	21	6,5	9,0	22	8,5		55			
60787	10-11				7,5		23						
60788	11-13		165	22	8,5	10	25		10	100			
60789	12-14		180	25	9,5	11	28	9,0	11				
60790	17-19	12	210	31	14	15	34	12	13	165	8		
60791	19-22		230	34	18	17	39	14	16	200			
60792	22-24		250	39	17	18	41	15		290			
60793	24-27		260	42	18	21	46	16	17	280			
60794	30-32		280	48	22	24	50	20	23	460	6		

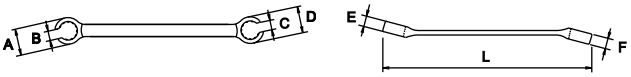


DIN 3118

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	Pt	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g			
58752	1/4 - 5/16	6-12	135	5	6	16,2	17,9	6,6	8,2	35	10	●	B
58753	5/16 - 3/8		145	6	7	18,4	20,8	7	8,5	45			
58754	3/8 - 7/16		152	6,5	8,5	20,8	22,6	8,5	9	60			
58755	7/16 - 1/2		165	8,5	10	22,6	25	9	10,5	80			
58756	1/2 - 9/16		178	9	11	25	27,4	9,5	11	115	8		
58757	9/16 - 5/8		196	11	14	27,4	30	11	12	140			
58758	5/8 - 11/16			13									
58759	11/16 - 3/4	12	210	14	15	30	32,5	12	14	180	6		
58760	13/16 - 7/8		233	15	17	32,5	38	14	16	245			
58761	1 - 1.1/8		265	18	20	41	45	17	18	350			
58762	1.1/8 - 1.1/4		285	22	24	48,5	51	21	23	465			



DIN 3118

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

SET

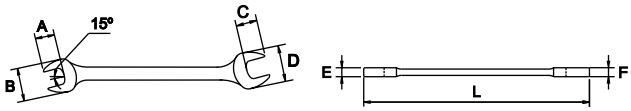
MM

COD.		PCS.		COD. PCS.	(mm)
68587	B	6	90056	60785, 60788, 60789, 60790, 60792, 60793	8-10, 11-13, 12-14, 17-19, 22-24, 24-27
68588		10	90058	60785, 60786, 60787, 60788, 60789, 60790, 60791, 60792, 60793, 60794	8-10, 9-11, 10-11, 11-13, 12-14, 17-19, 19-22, 22-24, 24-27, 30-32



FIJA / *OPEN-END* / À FOURCHE / *DOPPELMAULSCHLÜSSEL* / CHIAVE FISSE / *DUAS BOCAS* / РОЖКОВЫЙ КЛЮЧ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g		
60800	6-7	95	6,5	14	7,5	16	3,2	3,5	20		
60801	7-8	100	8,5	17	8,5	19	4,0	3,8	23		
60802	8-9	105		18	9,0	20		4,0	32		
60803	8-10	115	9,0		10	21	4,5	4,5	30		
60804	9-11	125	11	19	12	23		5,0	35		
60805	10-11			21			5,0				
60806	10-12	130		22	13	26			40		
60807	10-13					28					
60808	11-13	135	12	25			5,5	5,5	50		
60809	12-13				14						
60810	12-14	140		27		31			45	10	
60811	13-14	150	14	28	15			6,0	55		
60812	13-15					34	6,0		70		
60813	13-16			29	16			6,5	75		
60814	14-15								80		
60815	13-17	155									
60816	14-17	160	16	33	18	35	6,5		85		
60817	16-17			34					110		
60818	16-18	170		35	19	36	7,0	7,5	135		
60819	17-19				20	38			130		
60820	18-19	180	18	36	22	39		8,0	140		
60821	18-21					44					
60822	17-22					45	8,0		170		
60823	19-22	190	19	37				8,5	165		
60824	20-22	195		38		46	8,5		180		
60825	19-24	210	20	39							
60826	21-23	220	22	44	23	48		9,0	200		
60827	21-24		23		24						
60828	22-24					49	9,0				
60829	22-27	240	24	48	25	50			240	5	
60830	24-27			49	26	55	9,5	10	260		
60831	25-28	250	25	50	28				350		
60832	24-30	260			29	60	10		340		
60833	27-30	270	26	55							
60834	27-32		28	60	30	65			400		
60835	30-32						11	11	450		
60836	30-34	290	29		32	70	12	12	500		



B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g		
60837	30-36	300	29	60	35	70	12	13	600	5	●
60838	32-36		30	65	36				650		
60839	34-36	310	33	70	37	75			700		
60840	36-41	340	37	75	42	85	14	14	750		
60841	41-46	370	41	80	43	90	15		900		
60842	46-50	400	48	90	50	100		15	1500	1	-
60843	50-55	450		100	55	110	16		1600		
60799	55-60	495		110		120	18	20	2150		
60766	65-70	580	65	140	70	140	23	23	3550		
60769	75-80	660	85	170	85	160	28	26	5600		

DIN 895

■ **SET**

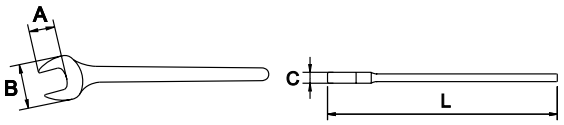
■ **MM**

COD.	PCS.		COD. PCS.	(mm)
68585	8	90081	60802, 60805, 60809, 60814, 60817, 60820, 60826, 60828	8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 21-23, 22-24
68586	12	90055	60800, 60802, 60805, 60809, 60814, 60817, 60820, 60824, 60826, 60830, 60831, 60835	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32



■ **FIJA UNA BOCA** / *SINGLE ENDED OPEN JAW SPANNER* / **À FOURCHE SIMPLE** / *EINMAULSCHLÜSSEL* / **FISSE SEMPLICE** / *FIXA DE UMA BOCA* / **ОДНОРОЖКОВЫЙ КЛЮЧ**

■ **MM**



COD.	AF mm	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	g		
60844	8	90	5/16	7,0	17	3,8	15		
60845	9	100	-	9,5	20	3,9	18		
60846	10	105		11	22	4,5	20		
60847	11	110	7/16	12	23	5,5	23		
60848	12	125	-	13	25		27		
60849	13	130		14	28	6,0	37		
60850	14	140	9/16	15	29		42	10	
60851	15	150	-		32				
60852	16	155		16					
60853	17	160		17	34	6,5	60		●
60854	18	165		18	36				
60855	19	170	3/4	20	39	7,5	75		
60856	21	180	-	23	43	8,5	100		
60857	22	195	7/8		45		120		
60858	24	210	-		48	9,5	140		
66461	25	220		25	50	10	160		
60859	27	240	1.1/16	27	55		180		
60860	30	260	1.3/16	29	60		300		
60861	32	270	-	32	65	12	310		
60862	34	280	1.11/32	33	70	13	400	5	
60863	36	300	-	37		14	420		
60864	38	320	1.1/2	41	75				
60865	41	340	1.5/8	42	85		550		-
60866	46	370	1.13/16	44	90	15	800		
66466	48	380	-	46	95	16	900		
60867	50	390		50	100		1050		



COD.	AF mm	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	g		
60868	55	440	-	55	110	17	1200	5	
60869	60	470	2.3/8	60	120		1550		
60870	65	500	2.9/16		130	18			
62984	70	550	2.3/4		140	19	2250		
62985	75	600	-		150	20	2850		
62986	80	650		70	160	21	3600	1	-
62987	85				170	22	3500		
62988	90	750			190	24	4800		
62989	95			75			4600		
63848	100	1000		105	220	29	7700		
63849	105						8000		

DIN 894

SET

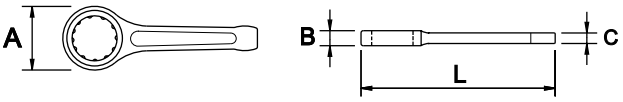
MM

COD.	PCS.		COD. PCS.	(mm)
68608	8	90081	60844, 60846, 60847, 60848, 60849, 60850, 60853, 60855	8, 10, 11, 12, 13, 14, 17, 19
68609	12	90083	60844, 60845, 60846, 60847, 60848, 60849, 60850, 60852, 60853, 60854, 60855, 60857	8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22



LLAVES DE GOLPE SEGURIDAD TOTAL / *TOTAL SAFETY SLOGGING WRENCHES* / CLÉS À FRAPPER SÉCURITÉ TOTALE / *SCHLAGRINGSCHLÜSSEL MIT SICHERUNG* / CHIAVI A BATTERE SICUREZZA TOTALE / *CHAVES DE LUNETA SÉRIE PANCADA DE SEGURANÇA TOTAL* / КОЛЬЦЕВОЙ УДАРНЫЙ КЛЮЧ-ЗВЕЗДОЧКА С ПОДВЕСОМ

MM

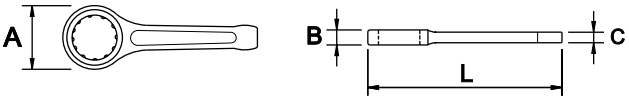


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)		Kg	
AD574257	22	155	38	13	8			
AD574267	23	165	42	14	8,5		0,2	
AD574277	24							
AD574287	25							
AD574297	26	175	46	16	9,5		0,3	
AD562957	27							
AD574307	28							
AD574317	29	185	50		11	89021	0,4	5
AD562967	30							
AD574327	31							
AD574337	32	210	55	18			0,5	
AD574347	33							
AD574357	34							
AD574367	35			19			0,6	
AD574377	36		60					
AD574387	37	220		20	12		0,7	
AD574397	38							
AD574407	41	225	65					
AD574417	42							
AD574427	45	240	75	22	13	89022	1	
AD574437	46							
AD574447	47							
AD574457	48	250	80	23	14		1,2	1
AD574467	50							
AD574477	52							



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)		Kg	
AD574487	54	270	85	24	14	89022	1,4	1
AD574497	55							
AD574507	56							
AD574517	58		90	26	15		1,6	
AD574527	59							
AD574537	60							
AD574547	61							
AD574557	62							
AD574567	63	300	100	30	16		1,9	
AD574577	64							
AD562977	65							
AD574587	66							
AD574597	67	320	110	32	17	89023	2,3	
AD574607	68							
AD574617	69							
AD574627	70							
AD574047	71							
AD574057	72							
AD574067	73	330	115	33	18		2,9	
AD574077	74							
AD574087	75							
AD585817	80	350	125	34	19		3,6	
AD585827	85	360	130	36	20		3,9	
AD585837	90	380	135	39	23	89016	5,0	
AD585847	95	390	145					
AD585857	100	410	150	43	25	89017	6,0	
AD585867	105	420	155				6,5	
AD585877	110	450	170	45	28	89018	8,0	
AD585887	115						9,5	

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)		Kg	
AD574657	7/8	155	38	13	8	89021	0,2	5
AD574667	15/16	165	42	14	9			
AD574677	1	175	46	16	10		0,3	
AD574687	1.1/16							
AD574697	1.1/8	185	50		11		0,4	
AD574707	1.3/16							
AD574717	1.1/4		55	18			0,5	
AD574727	1.5/16	210						
AD574737	1.3/8		60	19				
AD574747	1.7/16							
AD574757	1.1/2	220						
AD574767	1.9/16	230	65	20	12		0,7	
AD574777	1.5/8							
AD574787	1.11/16							
AD574797	1.3/4	240	75	22	13		1	1
AD574807	1.13/16							
AD574817	1.7/8							
AD574827	1.15/16	250	80	23	14	89022	1,4	
AD574837	2							
AD574847	2.1/16	270	85	24				
AD574857	2.1/8							
AD574867	2.3/16							
AD574877	2.1/4		90	26	15		1,6	
AD574887	2.5/16							



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)		Kg	
AD574897	2.3/8	270	90	26	15	89022	1,6	
AD574907	2.7/16							
AD574917	2.1/2	300	100	28	16		2,3	1
AD574927	2.9/16							
AD574937	2.5/8					89023		
AD574947	2.11/16	320	110	32	17		2,5	
AD574957	2.3/4							

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

MM

COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour	x5
89129	Set 5 pcs hilo tórico / *Set of 5 o-ring cords* / Jeu de 5 pcs corde	AD574257	
89130		AD574267	
89131		AD574277	
89132		AD574287	
89133		AD574297	
89134		AD562957	
89135		AD574307	
89136		AD574317	
89137		AD562967	
89138		AD574327	
89139		AD574337	
89140		AD574347	
89141		AD574357	
89142		AD574367	
89143		AD574377	
89144		AD574387	
89145		AD574397	
89148		AD574407	
89149		AD574417	
89152		AD574427	
89153		AD574437	
89154		AD574447	
89155		AD574457	
89157		AD574467	
89159		AD574477	
89161		AD574487	
89162		AD574497	
89163		AD574507	
89165		AD574517	
89166		AD574527	
89167		AD574537	
89168		AD574547	
89169		AD574557	
89170		AD574567	
89171		AD574577	
89172		AD562977	
89173		AD574587	
89174		AD574597	
89175		AD574607	
89176		AD574617	
89177		AD574627	
89178		AD574047	
89179		AD574057	
89180		AD574067	
89181		AD574077	
89182		AD574087	
89220		AD585817	
89221		AD585827	
89222		AD585837	
89223		AD585847	
89224		AD585857	
89225		AD585867	
89256		AD585877	
89257		AD585887	

INCH

COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour	x5
89187	Set 5 pcs hilo tórico / *Set of 5 o-ring cords* / Jeu de 5 pcs corde	AD574657	
89188		AD574667	
89189		AD574677	
89190		AD574687	
89191		AD574697	
89192		AD574707	
89193		AD574717	
89194		AD574727	
89195		AD574737	
89197		AD574747	
89198		AD574757	
89199		AD574767	
89200		AD574777	
89201		AD574787	
89202		AD574797	
89203		AD574807	
89204		AD574817	
89205		AD574827	
89206		AD574837	
89207		AD574847	
89208		AD574857	
89209		AD574867	
89211		AD574877	
89212		AD574887	
89213		AD574897	
89214		AD574907	
89215		AD574917	
89216		AD574927	
89217		AD574937	
89218		AD574947	
89219		AD574957	

MM / INCH

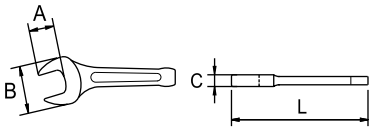
COD.	Descripción / *Description* / Description	
89021	Grillete / *Shackle* / Manille	
89022		
89023		
89016		
89017		
89018		

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LLAVES DE GOLPE / *SLOGGING WRENCHES* / CLÉS À FRAPPER / *SCHLAGSCHLÜSSEL* / CHIAVI A PERCUSSIONE / *CHAVES DE PANCADA* / УДАРНЫЕ КЛЮЧИ

FIJA DE GOLPE / *SLOGGING OPEN WRENCH* / À FOURCHE À FRAPPER / *SCHLAGMAULSCHLÜSSEL* / FISSE AD IMPULSO / *BOCA DE IMPACTO* / УДАРНЫЙ РОЖКОВЫЙ КЛЮЧ

MM

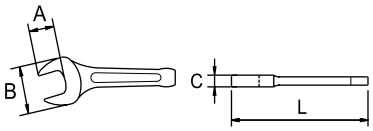




COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67423	17	125	19	41	12	0,1		
67424	19							
67425	21	135	22	46		0,2		
67426	22							
60871	24	150	24	50		0,4	5	●
60903	26	175	27	60	15			
60872	27							
60873	30	190	30	65	16	0,6		
60874	32		32					
67427	34	200	34	70	17			
60875	36	210	36	75		0,7		
67428	38	220	38	80	18	0,8		
60876	41	230	41	90		0,9		
60877	46	250	46	100	20	1,5		
60878	50	280	50	110	21	2		
67563	52							
67435	54	305	55	117	23			
60879	55	300		120				
67436	56	305		117				
60880	60	320	60	130		3		
60927	65	340	65	140	28	5		
61283	67	335	67					
61284	68	370	68	160	29			
60928	70		70					
61285	71		71		30			
61286	72		72					
60929	75	380	75		29	6		
60930	80	400	85	175	32	7		
60931	85							
60932	90	450	95	195	36	10		
60933	95					11	1	-
60934	100	490	105	230	43	14		
60935	105							
60936	110	500	115		45	19		
60937	115							
60938	120							
67429	125	550	125	250	50			
67430	130		135	270				
67431	135							
67432	140	650	145	290	55	24		
67433	145							
67434	150		150					
57050	155	645	160	310	60	27		
57051	160							
57052	165	705	170	330	65	30		
57053	170							
57054	175	720	180	350		33		
57055	180							
57056	185	755	190	370	70	39		
57057	190							
57058	195	760	200	390		46		
57059	200					50		

DIN 133

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67437	3/4	125	12	41	7	0,1		
67438	7/8	135		47		0,2		
67439	15/16	150		50	8			
60966	1	165	14	60	9	0,4	5	●
60967	1.1/16							
67440	1.1/8					0,5		
60968	1.3/16							
60969	1.1/4	190	16	70	10	0,6		
67441	1.5/16							
67442	1.3/8	210	17	75	12	0,7		
67443	1.7/16							
67444	1.1/2	220	18	80		0,8		
67445	1.9/16	230	19	90		0,9		
60970	1.5/8							
67446	1.11/16							
67447	1.3/4	250	20	100	13	1,2		
60971	1.13/16							
67448	1.7/8							
67449	1.15/16	280	21	110	14	1,4		
60972	2							
67450	2.1/16	310	23	120		1,8		
67451	2.1/8							
67452	2.3/16							
67453	2.1/4	320	24	130	15	2,1		
67454	2.5/16							
60973	2.3/8							
67455	2.7/16							
67456	2.1/2			135	16	2,9		
60974	2.9/16							
67457	2.5/8							
67458	2.11/16	330	26	140	17	3,6	1	-
60975	2.3/4							
67459	2.13/16							
67460	2.7/8	340	28	150	18	4		
60976	2.15/16							
60977	3							
67461	3.1/16	360	29	160	19	5,5		
60978	3.1/8							
58093	3.3/16	200	85	174	18			
67462	3.1/4	360	29	160	19			
67463	3.5/16							
67464	3.3/8							
67465	3.7/16	400	33	185	22	7		
67466	3.1/2							
67467	3.9/16							
67468	3.5/8							
67469	3.11/16							
60979	3.3/4							
67470	3.13/16	430	40	200	24	11		
67471	3.7/8							
67472	3.15/16							
60980	4							
67473	4.1/16							
60981	4.1/8							
67474	4.3/16							

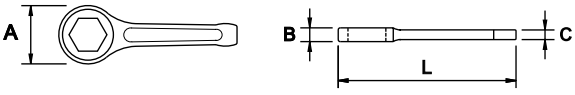


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67475	4.1/4	500	45	240	25	14		
67476	4.5/16							
67477	4.3/8							
60982	4.1/2							
67478	4.9/16							
67479	4.5/8	550	50	250	27	16		
67480	4.11/16							
67481	4.3/4							
67482	4.13/16							
67483	4.7/8							
67484	4.15/16							
67485	5							
67486	5.1/4			270	30	18		
67487	5.5/16							
67488	5.3/8							
67489	5.1/2							
67490	5.3/4	650	55	290	32	24	1	-
67491	6							
58075	6.1/8	645	160	305	60	28		
58076	6.1/4							
58077	6.3/8							
58078	6,1/2	705	170	325	65	34		
58079	6.9/16							
58080	6.5/8							
58081	6.3/4							
58082	6.7/8	720	180	345		38		
58083	7							
58084	7.1/8							
58085	7.1/4	755	190	365		42		
58086	7.3/8							
58087	7.1/2							
58088	7.5/8	770	200	385	70	48		
58089	7.9/16							
58090	7.3/4							
58091	7.7/8							
58092	8							

DIN 133

ESTRELLA DE GOLPE / *SLOGGING RING* / **POLYGONALE À FRAPPER** / *SCHLAG RINGSCHLÜSSEL* / **POLIGONALE AD IMPULSO** / *LUNETA DE IMPACTO* / **УДАРНЫЙ КЛЮЧ ЗВЕЗДОЧКА**

MM



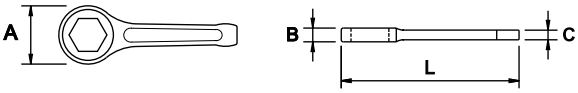


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68927	17	145	32	12	7	0,2		
68928	19							
68929	22	155	38	13	8			
68930	24	165	42	14	9			
68931	27	175	46	16	10	0,3	5	●
68932	30	185	50		11	0,4		
68933	32		55			0,5		
68934	36	210	60	19		0,6		
68935	41	230	65	20	12	0,7		
68936	46	240	75	22	13	1		
68937	50	250	80	23	14	1,2		
68938	55	270	85	24		1,4		
68939	60		90	26	15	1,6	1	-
68940	65	300	100	30	16	1,9		
68941	70	320	105	32	17	2,3		

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68942	75	330	115	33	18	2,9		
68943	80	350	125	34	19	3,6		
68944	85	360	130	36	20	3,9		
68945	90	380	135	39	23	4,8		
68946	100	410	148	43	25	5,8		
68947	110	450	170	45	28	8	1	-
68948	120	480	180	50	30	10		
68949	130	510	200	55	31	12		
68950	140	520	210	60	32			
68951	150	570	220			14		
68952	160	590	240		33	16		

DIN 7444

INCH



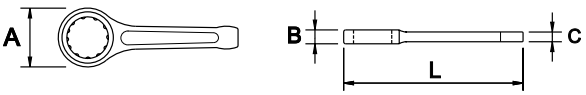


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68687	5/8	145	32	12	7	0,2		
68614	3/4							
68615	7/8	155	38	13	8			
68616	15/16	165	42	14	9			
68617	1	175	46	16	10	0,3		
68618	1.1/16							
68619	1.1/8	185	50		11	0,4	5	●
68620	1.3/16							
68621	1.1/4		55	18		0,5		
68622	1.5/16	210						
68623	1.3/8		60	19				
68624	1.7/16							
68625	1.1/2	220		20	12	0,7		
68626	1.9/16	230	65					
68627	1.5/8							
68628	1.11/16							
68629	1.3/4	240	75	22	13	1		
68630	1.13/16							
68631	1.7/8							
68632	1.15/16	250	80	23				
68633	2							
68634	2.1/16	270	85	24	14	1,4		
68635	2.1/8							
68636	2.3/16							
68637	2.1/4		90	26	15	1,6		
68638	2.5/16							
68639	2.3/8							
68640	2.7/16						1	-
68641	2.1/2	300	100	30	16	2,3		
68642	2.9/16							
68643	2.5/8							
68644	2.11/16	320	110	32	17	2,5		
68645	2.3/4							
68646	2.13/16							
68647	2.7/8	330	115	33	18	3,2		
68648	2.15/16							
68649	3							
68650	3.1/16	350	125	34	19	3,6		
68651	3.1/8							
68652	3.1/4	360	130	36	20	3,9		
68653	3.5/16							

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68654	3.3/8	360	130	36	20	3,9		
68655	3.1/2	380	135	39	23	4,8		
68656	3.9/16							
68657	3.5/8	390	140			5,2		
68658	3.11/16							
68659	3.3/4							
68660	3.13/16	410	150	43	25	5,8		
68661	3.7/8							
68662	3.15/16							
68663	4	420	155			6,5		
68664	4.1/16							
68665	4.1/8							
68666	4.3/16	450	160	45	28	8	1	-
68667	4.1/4							
68668	4.5/16							
68669	4.3/8							
68670	4.1/2		170			9,6		
68671	4.9/16							
68672	4.5/8	480	180	50	30	11		
68673	4.11/16							
68674	4.3/4							
68675	4.13/16							
68676	4.7/8							
68677	4.15/16							
68678	5	520	200	55	31	12		
68679	5.1/4							
68680	5.5/16							
68681	5.3/8		210	60	32			
68682	5.1/2							
68683	5.3/4	570	220			14		
68684	6	590				16		

DIN 7444

MM





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67310	17	145	32	12	7	0,2	5	●
67311	18							
67312	19							
67313	20	155	38	13	8			
67314	21							
67315	22							
67316	23	165	42	14	8,5			
60881	24							
67317	25							
60904	26	175	46	16	9,5	0,3		
60882	27							
67318	28							
67319	29	185	50			0,4		
60883	30							
67320	31							
60884	32	210	55	18	11	0,5		
67321	33							
67322	34							
67323	35		60	19		0,6		
60885	36							
67324	37	220		20	12			

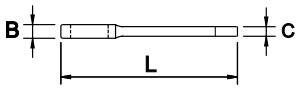
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67325	38	220	60	20	12	0,7	5	
67274	39	215	61			0.6		
60886	41	225	65			0,7		
60887	42							
67326	45	240	75	22	13	1		
60888	46							
67327	47							
67422	48	250	80	23	14	1,2		
60889	50							
67328	52							
67329	54	270	85	24		1,4		●
60890	55							
67330	56							
67331	58		90	26	15	1,6		
67332	59							
60891	60							
67333	61							
67334	62							
67335	63	300	100	30	16	1,9		
67336	64							
60939	65							
67337	66							
67338	67	320	110	32	17	2,3		
67339	68							
67340	69							
60940	70							
67341	71							
67342	72							
67343	73	330	115	33	18	2,9		
67499	74							
60941	75							
67344	76							
67345	77							
67346	78	350	125	34	19	3,6	1	
67347	79							
60942	80							
67348	82							
67492	84	360	130	36	20	3,9		
60943	85							
67349	88	380	135	39	23	5		
60944	90							
67350	94	390	145					
60945	95							-
67351	98	410	150	43	25	6		
60946	100							
67308	102							
60947	105	420	155			6,5		
67309	107					7,0		
67368	108	450	170	45	28	8,0		
60948	110							
60949	115					9,5		
60950	120	480	180	50	30	10		
67352	125							
67353	130	510	195	55	31	12		
67354	135							
67355	140	520	210	60	32	14		
67356	145	570	220					
67357	150							
67358	155							
67359	160	590	240		33	16		
67360	165							
67361	170	650	270	65	34	25		

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67362	175	650	270	65	34	25		
67363	180							
67364	185	690	280	70		33	1	-
67365	190				35			
67366	195	710	300	75		36		
67367	200							

DIN 7444

INCH







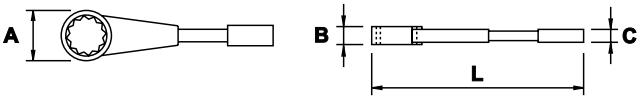
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67369	1/2	100	24	9	5	0,1		
67370	3/4	145	32	12	7			
67371	7/8	155	38	13	8	0,2		
67372	15/16	165	42	14	9			
60983	1	175	46		10	0,3		
60984	1.1/16							
67373	1.1/8			16				
60985	1.3/16	185	50			0,4		
60986	1.1/4							
67374	1.5/16		55		11		5	●
61294	1.3/8	210		18		0,5		
67375	1.7/16		60	19				
61295	1.1/2	220						
61296	1.9/16							
60987	1.5/8	230	65	20	12	0,7		
67376	1.11/16							
67377	1.3/4							
60988	1.13/16	240	75	22	13			
67378	1.7/8					1		
67379	1.15/16	250	80	23				
60989	2							
67380	2.1/16				14			
67381	2.1/8		85	24		1,4		
67382	2.3/16							
67383	2.1/4	270						
67384	2.5/16		90	26	15	1,6		
60990	2.3/8							
67385	2.7/16							
67386	2.1/2							
60991	2.9/16	300	100	28	16	2,3		
67387	2.5/8							
67388	2.11/16						1	-
60992	2.3/4	320	110	32	17	2,5		
67389	2.13/16							
67390	2.7/8							
60993	2.15/16	330	115	33	18	3,2		
60994	3							
67391	3.1/16	350	125	34	19	3,6		
60995	3.1/8							
58071	3.3/16	355	124			3.6		
67392	3.1/4			36	20			
67393	3.5/16	360	130			3,9		
67394	3.3/8							
68570	3.7/16							
67395	3.1/2	380	135	39	23	4,8		
67396	3.9/16							

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67397	3.5/8	390	140	39	23	5.2		
67398	3.11/16							
60996	3.3/4							
67399	3.13/16	410	150	43	25	5,8		
67400	3.7/8							
67401	3.15/16							
60997	4	420	155			6,5		
67402	4.1/16							
60998	4.1/8							
67403	4.3/16	450	160	45	28	8		
67404	4.1/4							
67405	4.5/16							
67406	4.3/8							
60999	4.1/2		170			9,6		
67407	4.9/16							
67408	4.5/8	480	180	50	30	11		
67409	4.11/16							
67410	4.3/4							
67411	4.13/16							
67412	4.7/8							
67413	4.15/16							
67414	5	520	200	55	31	12	1	-
67415	5.1/4							
67416	5.5/16							
67417	5.3/8		210	60	32			
67418	5.1/2							
67419	5.3/4	570	220			14		
67420	6	590				16		
57136	6.1/8	565				13,7		
57139	6.1/4	585	240	58	33	16		
58055	6.3/8							
58056	6.1/2							
58057	6.9/16							
58058	6.5/8	645	265	64	34	25		
58059	6.3/4							
58060	6.7/8							
58061	7	685	285	70	35	33		
58062	7.1/8							
58063	7.1/4							
58064	7.3/8							
58065	7.1/2							
58066	7.9/16	710	295	75		36		
58067	7.5/8							
58068	7.3/4							
58069	7.7/8							
58070	8							

DIN 7444

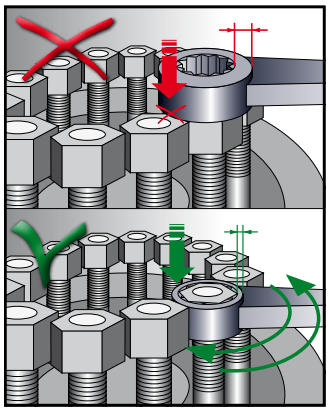
LLAVES ESTRELLA DE GOLPE DE PARED FINA / *SLOGGING RING WRENCH THIN WALL* / CLÉS POLYGONALES À FRAPPER À PAROI FINE / *SCHLAGRINGSCHLÜSSEL DUNNWANDIG* / CHIAVE POLIGONALI IMPACT PARETE FINA / *CHAVES LUNETA DE PANCADA DE PAREDE FINA* / КЛЮЧ НАКИДНОЙ УДАРНЫЙ ТОНКОСТЕННЫЙ

MM

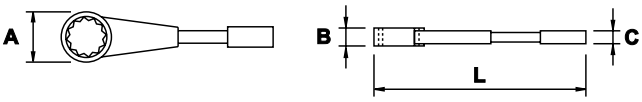


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
56300	27	250	43	16	17	0,6	5	●
56301	30	256	47	18	19	0,75		
56302	32	260	49	19				
56303	36	270	55	22	21	1,05		
56304	41	278	61	24	23	1,25		
56305	46	287	67	26	24	1,50		
56306	50	296	72	28	25	1,75	1	-
56307	55	303	78	30	27	2		
56308	60	315	85	33	28	2,35		
56309	65	322	93	35	29	2,65		
56310	70	325	99	37	30	2,9		
56311	75	338	106	39	31	3,3		
56312	80	348	112	42	32	3,7		
56313	85	350	119	43	33	4		
56314	90	353	126	44		4,25		
56315	95	358	133			4,6		
56316	100	366	139			4,9		
56317	105	375	147	45	34	6,5		
56318	110	382	157					
56319	115	390	163			7,2		
56320	120	405	174	47	35	8		



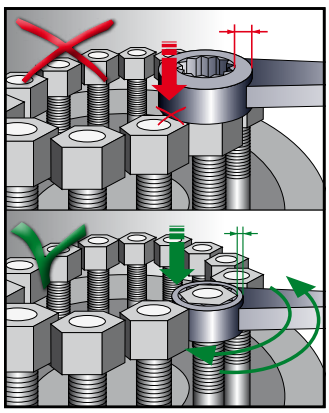


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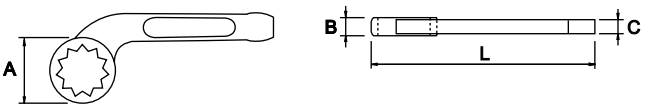
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
56321	1.1/16	250	43	16	17	0,6	5	●
56322	1.1/4	260	49	19	21	0,75		
56323	1.7/16	270	55	22		1,05		
56324	1.5/8	278	61	24	22.5	1,25		
56325	1.13/16	287	67	26	24	1,5		
56326	2	296	72	28	25	1,75	1	-
56327	2.3/16	303	78	30	26.5	2		
56328	2.3/8	315	85	33	28	2,35		
56329	2.9/16	322	93	35	29	2,65		
56330	2.3/4	325	99	37	30	2,9		
56331	2.15/16	338	106	39	31	3,3		
56332	3.1/8	348	112	42	32	3,7		
56333	3.1/2	353	126	44	33	4,25		
56334	3.7/8	366	139			4,9		





LLAVE ESTRELLA DE GOLPE CURVA / *CURVED SLOGGING RING WRENCH* / CLÉ POLYGONALE À FRAPPER COURBEE / *ZUGSCHLAGRINGSCHLÜSSEL, GEBOGEN* / POLIGONALE AD IMPULSO A CURVA / *CHAVE LUNETA CURVA DE PANCADA* / УДАРНЫЙ ИЗОГНУТЫЙ РОЖКОВЫЙ КЛЮЧ

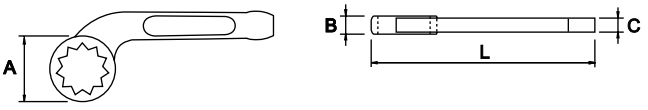
MM





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
58360	19	160	42	14	8,5	250	1	•
58361	20							
58362	21							
54950	22	140			9			
58363	23	160			8,5			
54951	24				9			
58364	25				8,5			
58365	26	175	46	16	9,5	330		
54952	27				10			
58366	28				9,5			
58367	29	190	54		10,5	515		
54953	30		55		11			
54954	32							
58368	34	210	58	19		630		-
54955	36		60					
58369	38	225	64	20	12	870		
58370	40							
54956	41	230	65					
58371	42	225	64					
54957	46	240	75	22	13	1100		
54958	50	260	80	23	14	1300		
54959	55	270	85	24		1500		
54960	60	290	90	26	15	2000		
54961	65	300	100	30	16	2500		
54962	70	320	110	32	17	2800		
54963	75	330	115	33	18	3200		
58372	80	350	124	34	19	3900		

INCH

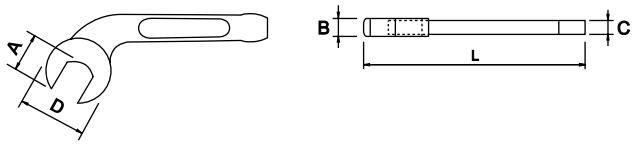




COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
58376	3/4	160	42	14	8,5	250	1	-
58377	7/8							
58378	15/16							
58379	1	175	46	16	9,5	380		
58380	1.1/8	190	54		10,5	500		
58381	1.1/4							
58382	1.3/8	210	58	19	11	620		
58383	1.1/2	225	64	20	12	865		
58384	1.5/8							
58385	1.3/4	240	73	22	13	1125		
58386	1.7/8							
58387	2	255	78	23	13,5	1250		
58388	2.1/4	285	92	25,5	15	2200		
58389	2.1/2	300	102	30	16	2600		
58390	2.3/4	320	108	31,5	17	2800		
58391	3	330	113	33	18	3150		

LLAVE FIJA GOLPE CURVA / *CURVED OPEN END SLOGGING WRENCH* / CLÉ À FOURCHE À FRAPPER COUDÉE / *GEBOGEN SCHLAGMAULSCHLÜSSEL* / CHIAVE FISSA A BATTERE CURVA / *CHAVE DE BOCA DE PANCADA CURVA* / УДАРНЫЙ ИЗОГНУТЫЙ ГАЕЧНЫЙ КЛЮЧ

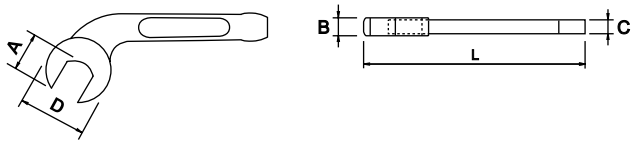
MM





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g	
58396	19	140	19	10	7	40,5	140	
58397	20							
58398	21	150	22	11	7,5	46	175	
58399	22							
58400	23		24	12	8	50	200	
58401	24							
58402	25							
58403	26	175	27	15	9	57	400	
58404	27							
58405	28							
58406	29	190	30	16	10	66	750	
58407	30							
58408	32		32					
58409	34	210	36	17	11,5	75		1
58410	36							
58411	38	230	41	18,5	12	87	1130	
58412	40							
58413	41							
58414	42							
58415	46	250	46	20	13	98	1250	
58416	50	275	50	20,5	13,5	108	1700	
58417	55	305	55	23	14	117	2300	
58418	60	315	60	23,5	15	128	2800	
58419	65	335	65	27,5	16	140	3600	
58420	70	370	70	28,5	17	155	4400	
58421	75	375	75	29	18	160	4700	
58422	80	400	80	32	19	175	6100	

INCH



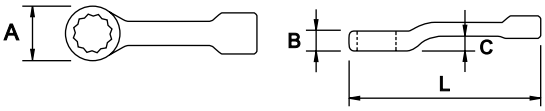


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g	
58430	3/4	140	19	10	7	40,5	140	
58431	7/8	150	22	11	7,5	46	170	
58432	15/16		24	12	8	50	200	
58433	1	175	27	15	9	57	500	
58434	1.1/8	190	30	16	10	66		
58435	1.1/4		32				550	
58436	1.3/8	210	36	17	11,5	75	800	1
58437	1.1/2	230	38	18,5	12	87	1250	
58438	1.5/8		41					
58439	1.3/4	250	46	20	13	98		
58440	1.7/8							
58441	2	275	50	20,5	13,5	108	1600	
58442	2.1/4	315	60	23,5	15	128	3100	

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g	
58443	2.1/2	335	65	27,5	16	140	3750	
58444	2.3/4	370	70	28,5	17	155	4400	1
58445	3	375	75	29	18	160	4600	

ESTRELLA DE GOLPE ACODADA / *OFFSET SLOGGING RING* / CLÉ POLYGONALE À FRAPPER CONTRE-COUDÉE / *SCHLAGRINGSCHLÜSSEL GEKRÖPFT* / CHIAVE A BATTERE POLIGONALE / *LUNETA INCLINADA DE PANCADA* / КЛЮЧ НАКИДНОЙ УДАРНЫЙ

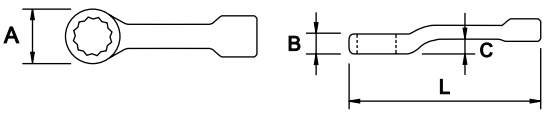
MM





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
55000	22	240	42	18	23	0,9		
55001	24							
55002	27	270	50	20	26	1,2		
55003	30	280		22	28	1,4		
55004	32	290	55	23	29	1,6	5	●
54998	34	300	62	25	31	1,8		
55005	36		65					
55006	38							
55007	41	320	70	26	32	2		
55008	46	340		27	34	2,6		
55009	50	350	80	32	38	3		
55010	55	360	85	33	39	3,9		
55011	60	380	90	35	41	4,0		
55012	65	390	95	38	44			
55013	70	400	105	41	47	5,0		
55014	75	420	110	43	49	5,5		
55015	80	440	125	45	50	7,0		
55016	85	460				7,5		
55017	90	480	140	47	55	9,0		
55018	95							
55019	100	520	155	49		11	-	-
55020	105							
55021	110	550	170	50	60	12		
55022	115							
55023	120	590	180	55	64	14		
55024	125							
55025	130	620	200	60	70	16		
55026	135							
54942	140	650	215			22		
54943	145							
54944	150	680	235	64	72	28		
54945	155							

INCH



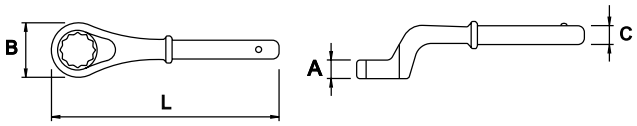


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
55027	7/8	240	42	18	23	0,9		
55028	15/16							
55029	1	270	50	20	26	1,2	5	●
55030	1.1/16							
55031	1.1/8	280		22	28	1,4		
55032	1.3/16							

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
55033	1.1/4	290	55	23	29	1,6	5	●
55034	1.5/16							
55035	1.3/8	300	65	25	31	1,8		
55036	1.7/16							
55037	1.1/2							
55038	1.9/16	320	70	26	32	2		
55039	1.5/8							
55040	1.11/16							
55041	1.3/4	340		27	34	2,6		
55042	1.13/16							
55043	1.7/8							
55044	1.15/16	350	80	32	38	3		
55045	2							
55046	2.1/16	360	85	33	39	3,9		
55047	2.1/8							
55048	2.3/16							
55049	2.1/4	380	90	35	41	4,1		
55050	2.5/16							
55051	2.3/8							
55052	2.7/16							
55053	2.1/2	390	95	38	44	4,2		
55054	2.9/16							
55055	2.5/8							
55056	2.11/16	400	105	41	47	5,1		
55057	2.3/4							
55058	2.13/16							
55059	2.7/8	420	110	43	49	5,5		
55060	2.15/16							
55061	3							
55062	3.1/16	440	125	45	50	6,9	-	-
55063	3.1/8							
55064	3.1/4	460				7,3		
55065	3.5/16							
55066	3.3/8							
55067	3.1/2	480	140	47	55	8,8		
55068	3.9/16							
55069	3.5/8							
55070	3.11/16							
55071	3.3/4							
55072	3.13/16	520	155	49		10,9		
55073	3.7/8							
55074	3.15/16							
55075	4							
55076	4.1/16							
55077	4.1/8							
55078	4.3/16	550	170	50	60	12		
55079	4.1/4							
55080	4.5/16							
55081	4.3/8							
55082	4.1/2							
55083	4.9/16							
55084	4.5/8	590	180	55	64	14		
55085	4.11/16							
55086	4.3/4							
55087	4.13/16							
55088	4.7/8							
55089	4.15/16							
55090	5	620	200	60	70	16		
55091	5.1/4							
55092	5.1/16							

LLAVE ESTRELLA ACODADA PARA EXTENSIÓN / *OFFSET RING SPANNER FOR EXTENSION* / CLÉ POLYGONALE CONTRE COUDÉE À RALLONGE / *RINGSCHLÜSSEL FÜR VERLÄNGERUNG* / CHIAVE POLIGONALE PER ESTENSIONE / *CHAVE INGLESA DESLOCADA DO ANEL PARA A EXTENSÃO* / ИЗОГНУТАЯ ЗВЕЗДОЧКА ДЛЯ УДЛИНИТЕЛЯ

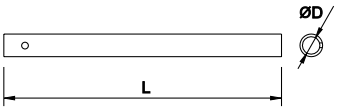
MM





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g	
66562	21	180	17	38	20	400	
66563	22						
65888	24					390	
65889	27	190		42	18	420	
65890	30	200	18	48		500	
65891	32	230		49		750	
65892	36	240	20	55	21	800	
65893	38	260	21	60			
65894	41					950	
65982	42						
65895	46	280	23	70	24	1150	
65983	48	290	25	75		1350	1
65896	50						
65984	52						
65897	55	300	28	80		1450	
65898	60	340	31	90	29	2150	
65899	65	350	33	100		2500	
65900	70	360	36	105		2850	
65901	75	370	38	110		2050	
65902	80	380	41	125		3750	
65903	85					3550	
65904	90	410	45	140		5150	
65905	95					4900	
65906	100	420		150		5000	
65907	105					4900	

EXTENSIÓN PARA LLAVE ESTRELLA ACODADA / *EXTENSION FOR OFFSET RING SPANNER* / RALLONGE DE CLÉ POLYGONALE CONTRE-COUDÉE / *VERLÄNGERUNG FÜR RINGSCHLÜSSEL* / ESTENSIONE PER CHIAVI POLIGONALI / *EXTENSÃO PA CHAVE LUNETA CURVA* / УДЛИНИТЕЛЬ ДЛЯ КЛЮЧА ИЗОГНУТАЯ ЗВЕЗДОЧКА



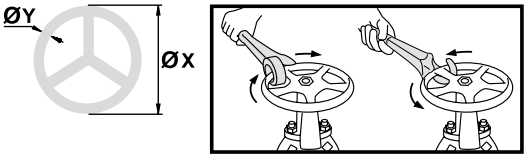


COD.	AF mm	O.D. mm	L (mm)	g	
65909	24-30	18	460	750	1
65910	32-41	21	600	1150	
65911	46-55	24	750	2750	
65912	60-105	29	850	2850	

LLAVES PARA VÁLVULAS / *VALVE WRENCHES* / CLÉS POUR VALVES / *VENTILSCHLÜSSEL* / CHIAVI PER VALVOLE / *CHAVES PARA VÁLVULAS* / КЛАПАННЫЕ КЛЮЧИ

LLAVE DE VÁLVULA / *VALVE WRENCH* / CLÉ POUR VALVE / *VENTILSCHLÜSSEL* / CHIAVE A VALVOLA / *CHAVE DE VÁLVULA* / КЛАПАННЫЙ КЛЮЧ

UNIVERSAL / *UNIVERSAL* / UNIVERSEL / *UNIVERSELL* / UNIVERSALE / *UNIVERSAL* / УНИВЕРСАЛЬНЫЙ

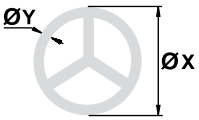




COD.	L (mm)	Ø x (mm)	Ø x (inch)	Ø y (mm)	Kg	
62803	215	50-175	2-7	<= 12	0,2	1
62804	400	200-375	8-15	<= 24	1,3	
62805	490	400-500	16-20	<= 30	1,7	
62807	500	150-425	6-17	<= 40	1,5	
54972	550	125-250	5-10	<= 35	1,4	
62806	800	400-500	16-20	<= 30	2,0	
62812	1200				3,0	-

ESPECIAL / *SPECIAL* / SPÉCIAL / *SPEZIELL* / SPECIALE / *ESPECIAL* / СПЕЦИАЛЬНЫЙ

MM

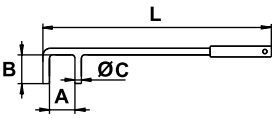




COD.	L (mm)	Ø x (mm)	Ø y (mm)	Kg	
51623	250	50-175	<=19	0,2	1
51624	370	200-380	<=25	0,7	
51625	500	405-510	<=40	2,0	
51626	800		<=60	3,5	

GANCHO GIRADOR DE VÁLVULAS / *VALVE WHEEL HOOK* / FIXATION GIRATOIRE DE VALVE / *VENTILHAKEN* / GANCIO GIREVOLE PER VALVOLE / *GANCHO DE RODA VÁLVULAS* / КЛЮЧ ДЛЯ ОТКРЫТИЯ КЛАПАНОВ

MM

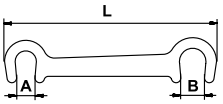




COD.	L (mm)	A (mm)	B (mm)	Ø C (mm)	Kg	
54974	300	35	33	17	0,4	1
54975	350	45	40		0,5	
54976	400	50	45	18	0,8	
54977	450	55	50		1,0	
54978	500	60	55		1,2	
54979	550	65	60		1,4	
54980	600	70	65		1,5	
54981	650	75	70		1,6	
54982	700	80				
54983	750	85	75	20	2,3	
54984	800	90	85		2,4	
54985	850	95			2,5	
54986	900		90		2,6	
54987	950	100	95		2,8	
54988	1000	105	100		2,9	
54989	1200			25	5,5	

LLAVE EN "C" DOBLE / *DOUBLE C WRENCH* / CLÉ EN DOUBLE C / *DOPPEL C SCHLÜSSEL* / CHAIVE DOPPIA A C / *CHAVE EM C DUPLA* / ДВОЙНОЙ С-ОБРАЗНЫЙ КЛЮЧ

MM

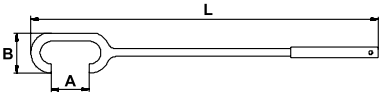


COD.	L (mm)	A (mm)	B (mm)	mm	mm	Kg	
54992	200	14	18	14	18	0,4	1
54993	250	17	25	17	25	0,6	
54994	450	25	34	25	34	2,3	



LLAVE EN "C" / *C WRENCH* / CLÉ EN C / *C SCHLÜSSEL* / CHIAVE A C / *CHAVE EM C* / С-ОБРАЗНЫЙ КЛЮЧ

MM

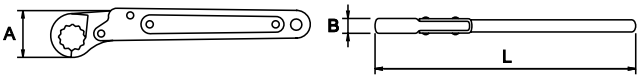


COD.	L (mm)	A (mm)	B (mm)	Kg	
54997	450	40	55	1,0	1



LLAVE DE CARRACA PARA RACORES / *RATCHETING RING WRENCH* / CLÉ À TUYAUTER À CLIQUET / *KNARRENROHRSCHLÜSSEL* / CHIAVE A CRICCO PER RACCORDI / *CHAVE LUNETA ABERTA COM ROQUETE* / КЛЮЧ ЗВЕЗДОЧКА С ТРЕЩЕТКОЙ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	g		
65089	10	135	24	7,0	80	6	●
65090	11				85		
65091	12						
65092	13				90		
65093	14						
65095	17	185	30	8,0	140		
65096	19		32		180		
65098	22	230	39	11	230		
65099	24						
65100	27	320	49	13	320		-
65102	32		50	18			



SET

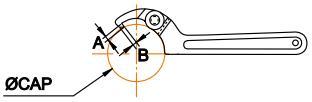
MM

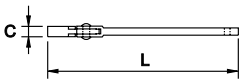
COD.	PCS.		COD. PCS.	(mm)
68582	10	90058	65089, 65090, 65091, 65092, 65093, 65095, 65096, 65098, 65099, 65100	10, 11, 12, 13, 14, 17, 19, 22, 24, 27



LLAVES DE GANCHO / *HOOK WRENCHES* / CLÉS À ERGOT / *HAKENSCHLÜSSEL* / CHIAVI A SETTORE / *CHAVES DE GANCHO* / СЕРПОВИДНЫЕ КРЮК- КЛЮЧИ

LLAVE DE GANCHO ARTICULADA / *ADJUSTABLE HOOK SPANNER* / CLÉ À ERGOT ARTICULEE / *ZANGE MIT VERSTELLBARE BACKE* / CHIAVE A SETTORE REGOLABILE / *CHAVE DE GANCHO ARTICULADA* / РУГУЛИРУЕМЫЙ КЛЮЧ КРЮК

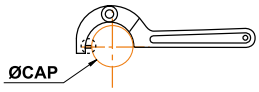


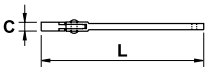


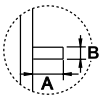
COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	C (mm)	g		
67981	160	19-50	3/4-2	4,0	3,5	9	110	6	●
67982	205	32-75	1.1/4-3			11	225		
67983	290	50-120	2-4.3/4	4,5	4,0	12	450		
67984	310	115-170	4.1/2-6.3/4	5,0	4,5	13	580		



LLAVE DE GANCHO CON PIN ARTICULADA / *ADJUSTABLE HOOK SPANNER WITH PIN* / CLÉ À ERGOT ARTICULÉE AVEC CROCHET / *VERSTELLBARE HAKENSCHLÜSSEL MIT PIN* / CHIAVE A SETTORE ARTICOLATA CON PIN / *CHAVES DE UNHA ARTICULADA COM PIN* / КЛЮЧ-КРЮК С ШАРНИРОМ

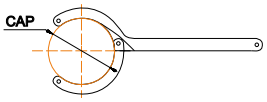


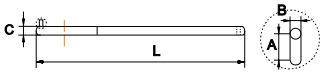




COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	C (mm)	g		
58120	170	15-35	19/32-1.3/8	3	3	5,5	100	10	●
58121	200	35-50	1.3/8-2	4,3	4	7	180		
58122	280	50-80	2-3.3/4	5	6,2	8	380	5	
58123	345	80-120	3.3/4-4.11/16	6			660		
58124	490	120-180	4.11/16-5.7/8	7,4	7,8	11	1440		







COD.	L (mm)	CAP. Ø (mm)	A (mm)	B (mm)	C (mm)	Kg		
54966	150	18-40	5	4	8	0,1	6	●
54967	220	40-80	7	5	10	0,3		
54968	300	80-125	8	6	12	0,6		
54969	410	125-200	10	8	14	1,6		

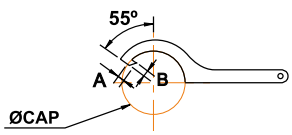


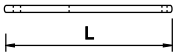
PIN DE RECAMBIO / *SPARE PINS* / CROCHET DE RECHANGE / *ERSATZSTIFTE* / PIN DI RICAMBIO / *PINO DE SUBSTITUIÇÃO* / ЗАПАСНОЙ ШТИФТ

COD.	A (mm)	Ø B (mm)	Válido para / *Valid for* / Valable pour
86890	3	3	58120
86891	4,3	4	58121
86892	5	6,2	58122
86893	6		58123
86894	7,4	7,8	58124



LLAVE DE GANCHO / *HOOK SPANNER* / CLÉ À ERGOT / *ECKZANGE* / CHIAVE A SETTORE / *CHAVE DE GANCHO* / КЛЮЧ КРЮК





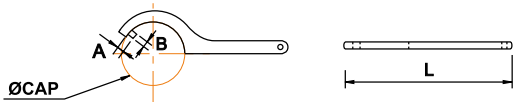
COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	g		
68283	110	12-14	1/2-9/16	1,8	1,8	16	6	●
68284		16-20	5/8-25/32	2,3	2	20		
68285	120	25-28	1-1.1/8	2,5	2,3	40		
68286		30-32	1.3/16- 1.1/4		2,5	60		



COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	g		
68287	150	34-36	1.5/16-1.13/32	2,5	3	90		
68288		40-42	1.9/16- 1.21/32			100		
68289	180	45-50	1.3/4-2	3	3,5	150		
68290		52-55	2.1/16-2.3/16			160		
68291	210	58-62	2.9/32-2.7/16	3,5	4	210		
68292		68-75	2.11/16-3			250		
68293	240	80-90	3.1/8-3.1/2	4	5	370		
68295		95-100	3.3/4-4			410		
68296	280	110-115	4.5/16-4.9/16			700	6	●
68297		120-130	4.11/16-5.1/8			750		
68298	320	135-145	5.5/16-5.3/4	6	6	1050		
68299		150-165	5.7/8-6.1/2			1150		
57640	380	180-195	7.1/8-7.5/8	14		1800		
57641		205-220	8.1/8-8.5/8			1900		
57642	460	230-245	9.1/8- 9.5/8	16	8	3530		
57643		260-270	10.1/4-10.5/8			3600		
57644	550	280-300	11.1/8-11.3/4		10	5430		

DIN 1810

LLAVE DE GANCHO CON PIN / *HOOK SPANNER WITH PIN* / CLÉ À ERGOT AVEC CROCHET / *HAKENSCHLÜSSEL MIT PIN* / CHIAVE A SETTORE CON PIN / *CHAVES DE UNHA COM PIN* / КЛЮЧ-КРЮК



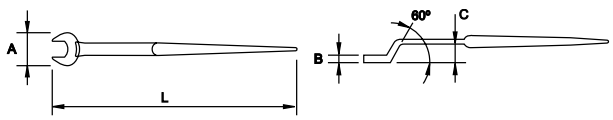


COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	g		
58100	110	16-18	5/8-11/16	2,2	2,5	25	20	
58101		20-22	25/32-7/8					
58102	135	25-28	1-1.1/8	3	3	50	10	
58103		30-32	1.3/16-1.1/4		4			
58104	170	34-36	1.5/16-1.13/32	3,5		80		
58105		40-42	1.9/16-1.21/32					
58106	205	45-50	1.3/4-2	4	5	180		
58107		52-55	2.1/16-2.3/16					
58108	240	58-62	2.9/32-2.7/16	5	6	280	25	●
58109		68-75	2.11/16-3					
58110	280	80-90	3.1/8-3.1/2	6		435	15	
58111		95-100	3.3/4-4		8			
58112	335	110-115	4.5/16-4.9/16	8		800	10	
58113		120-130	4.11/16-5.1/8					
58114	385	135-145	5.5/16-5.3/4			1250	5	
58115		155-165	5.15/16-6.1/2					
58116	465	180-195	7-7.11/16		10	2100		
58117		205-220	8-8.11/16					

LLAVES PARA ESTRUCTURA / *PODGING WRENCHES* / CLÉS POUR STRUCTURE MÉTALLIQUE / *SCHLÜSSEL FÜR DIE METALLSTRUKTUR* / CHIAVI PER PONTEGGI / *CHAVES DE ESTRUTURA* / КЛЮЧИ ДЛЯ СТРОИТЕЛЬНЫХ ЛЕСОВ

LLAVE FIJA ACODADA PARA ESTRUCTURA / *OFFSET OPEN END STRUCTURAL WRENCH* / CLÉ À FOURCHE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE / *MAULSCHLÜSSEL GEKROPFT MIT DORN* / CHIAVE FISSA PER PONTEGGI / *CHAVE BOCA INCLINADA PARA ESTRUTURA* / КЛЮЧ ГАЕЧНЫЙ ОДНОСТОРОННИЙ ВИЛКООБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

MM

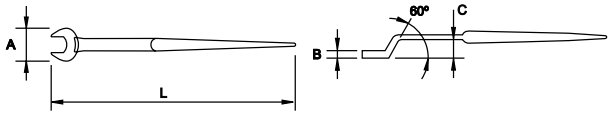




COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
64912	17	350	24	7,5	24	210	1	●
64913	19		40	9		300		

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
65781	21	350	46	11	24	400	1	●
64914	22					410		
58425	23	370	49		28	450		
64915	24							
64916	27		55	13		600		
64917	30	400	65		32	800		—
64918	32							
64919	36	430	70	14	36	900		
58426	38	470	80	15	41	1200		
64920	41							
58427	45	500	90	16	46	1500		-
64921	46							
58428	47							
64922	50	550	100	17	48	1800		
64923	55		110	18	50	2000		
58429	70	600	140	24	55	4400		

INCH

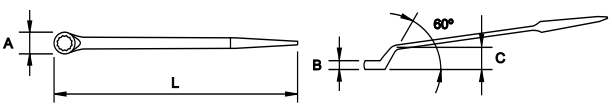




COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
64924	3/4	350	40	9	24	300	1	●
64925	7/8		46	11		410		
64926	15/16	370	49		28	450		
64927	1							
64928	1.1/16							
64929	1.1/8	400	65	13	32	750		—
64930	1.3/16							
64931	1.1/4							
64932	1.5/16							
64933	1.3/8	430		14	36	900		
64934	1.7/16							
64935	1.1/2	470	80	15	41	1200		
64936	1.9/16							
64937	1.5/8							
64938	1.11/16							
64939	1.3/4	500	90	16	46	1500		-
64940	1.13/16							
64941	1.7/8							
64942	1.15/16	550	100	17	48	1800		
64943	2							
64944	2.1/16		110	18	50	2000		
64945	2.1/8							
64946	2.3/16							

LLAVE ESTRELLA ACODADA PARA ESTRUCTURA / *OFFSET RING STRUCTURAL WRENCH* / **CLÉ POLYGONALE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE** / *RINGSCHLÜSSEL GEKRÖPFT MIT DORN* / **CHIAVE POLIGONALE PER PONTEGGI** / *CHAVE LUNETA INCLINADA PARA ESTRUTURA* / **КЛЮЧ НАКИДНОЙ ОДНОСТОРОННИЙ ВИЛКООБРАЗНЫЙ СТРОИТЕЛЬНЫЙ**

MM

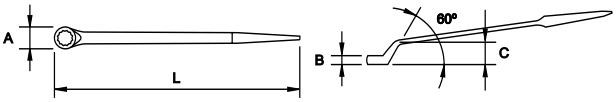




COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
64947	14	270	24	10	23	0,2	1	●

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
64948	17	310	28	11	27	0,2		
64949	19	330	32	12	31			
64950	22	350	35	13		0,3		
64951	24	370	38		34			●
64952	27	400	42	14	37	0,4		
64953	30	430	50	16	43	0,6		
64954	32							
64955	36	460	55	19	48	0,9		
64956	41	490	65	20	55	1,1		
64957	46	500	70	22	60	1,5		
64958	50	550	75	26		1,8	1	
64959	55		85			2,1		
64960	60	600	90	28	65	2,5		
64961	65	650	110	30	70	2,7		
64962	70							-
64963	75	700		34		3,5		
64964	80		115	36		4,0		
64965	85		125	37	75			
64966	90		135	39		5,0		
64967	95		140	41	80			
64968	100	750	145	42		6,0		
64969	110		160	43		7,0		

INCH

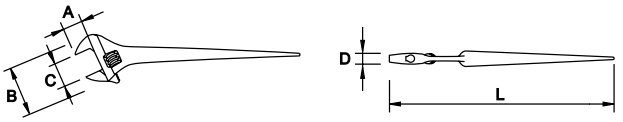




COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
64970	3/4	330	32	12	31	0,2		
64971	7/8	350	35	13		0,3		
64972	15/16	370	38		34			
64973	1	400	42	14	37	0,4		
64974	1.1/16							●
64975	1.1/8	430	50	16	43	0,6		
64976	1.3/16							
64977	1.1/4							
64978	1.5/16							
64979	1.3/8	460	55	19	48	0,9		
64980	1.7/16							
64981	1.1/2	490	65	20	50	1,0		
64982	1.9/16							
64983	1.5/8							
64984	1.11/16							
64985	1.3/4	500	70	22	60	1,5	1	
64986	1.13/16							
64987	1.7/8							
64988	1.15/16	550	80	26		1,8		
64989	2							-
64990	2.1/16		85			2,1		
64991	2.1/8							
64992	2.3/16							
64993	2.1/4	600	90	28	65	2,5		
64994	2.5/16							
64995	2.3/8							
64996	2.7/16							
64997	2.1/2	650	105	30	70	2,7		
64998	2.9/16							
64999	2.5/8							
68126	3.1/8		128	35	72,5	4		

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68127	3.7/8	650	152	40	75	5,8	1	-

LLAVE AJUSTABLE PARA ESTRUCTURA / *ADJUSTABLE STRUCTURAL WRENCH* / CLÉ À MOLETTE POUR STRUCTURE MÉTALLIQUE / *VERSTELLBARE ROLLGABELSCHLÜSSEL MIT DORN* / CHIAVE REOLABILE PER PONTEGGI / *CHAVE AJUSTÁVEL PARA ESTRUTURA* / КЛЮЧ РАЗВОДНОЙ СТРОИТЕЛЬНЫЙ

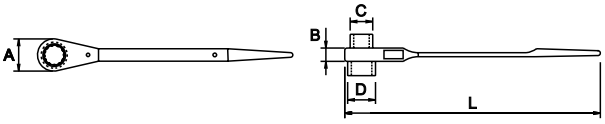


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61137	16	400	35	85	42	17	1100	1	●



LLAVE DE CARRACA PARA ESTRUCTURA METÁLICA / *PODGING WRENCH* / CLIQUET RÉVERSIBLE / *STAHLBAUKNARRE* / CHIAVE A CRICCO PER COSTRUZIONE / *CHAVE DE ROQUETE PARA ESTRUTURA METALICA* / ГОЛОВКА С ТРЕЩЕТКОЙ

MM

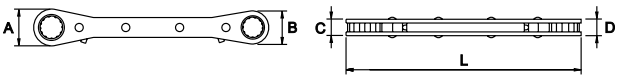


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65916	10-13	240	28	15	15	18	170	6	●
57545	12-14		32	16	17	20	240		
65908	13-17	280	41	17	19	24	310		
65076	17-19	320	43	19	24	27	480		
65917	19-21		50		26	28			
65077	19-22					29			
65078	19-24	370		20	28	33	650		
57546	22-24		52	21	31	34	750		
57547	24-27				34	37			
65079	24-30	420	60		32	41	950		
65080	27-32				37	43			
57548	30-32			22	40	44	1000		
57549	32-36	450	79	26	46	51	2000		
65081	36-41			27	49	57			



LLAVE ESTRELLA DE CARRACA PLANA / *DOUBLE RATCHET WRENCH* / CLÉ POLYGONALE À CLIQUET / *DOPPELKNARRE FLACH* / CHIAVE A CRICCO / *CHAVE LUNETA PLANA COM ROQUETE* / ДВОЙНАЯ ТРЕЩЕТКА ЗВЕЗДОЧКА

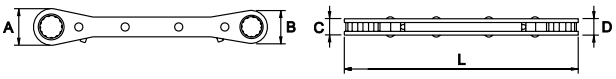
MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65107	8-10	150	18	17	9,0	9,0	90	6	●
65108	10-11	170	22	19			120		
65109	12-13	180	26	21	9,5	9,5	140	10	
65110	14-15	210	33	30	10		200		
65111	14-17			33	11	10	210		
65112	19-21	230	40	37			260		



INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65113	1/4-5/16	150	18	18	8,5	8,5	60	6	
65114	3/8-7/16	175	24	20	9,0		85		
65115	1/2-9/16	180	29	24	10	9,5	140	10	●
65116	5/8-11/16	210	36	33		10	200		
65117	3/4-7/8		40	37	11	12	260		



SET

MM

COD.	PCS.		COD. PCS.	(mm)
68610	6	90056	65107, 65108, 65109, 65110, 65111, 65112	8-10, 10-11, 12-13, 14-15, 14-17, 19-21

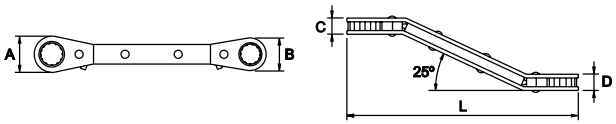


INCH

COD.	PCS.		COD. PCS.	(inch)
68611	5	90056	65113, 65114, 65115, 65116, 65117	1/4-5/16, 3/8-7/16, 1/2-9/16, 5/8-11/16, 3/4-7/8

LLAVE ESTRELLA DE CARRACA ACODADA / *OFFSET DOUBLE RATCHET WRENCH* / CLÉ POLYGONALE CONTRE-COUDEE À CLIQUET / *DOPPELKNARRE ABGEWINKELT* / CHIAVE A CRICCO A CONTROGOMITO / *CHAVE LUNETA INCLINADA COM ROQUETE* / ДВОЙНАЯ ТРЕЩЕТКА ЗВЕЗДОЧКА ИЗОГНУТАЯ

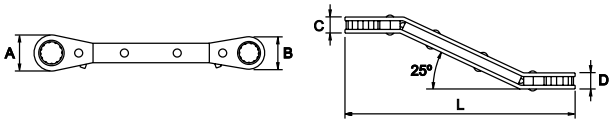
MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65118	8-10	150	20	18	9,5	9,0	85	6	
65119	10-11	175	25	21		9,5	120		
65120	12-13	180	29	24	10		140		●
65121	14-15	210	36	33		10	200	8	
65122	14-17		40	37	11		210		
65123	19-21	230	41				260		



INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65124	1/4-5/16	150	20	17	9,5	8,5	60	6	
65125	3/8-7/16	175	23	20		9,0	85		
65126	1/2-9/16	180	30	27	10	9,5	140		●
65127	5/8-11/16	210	36	33			200	8	
65128	3/4-7/8		40	37		10	260		



SET

MM

COD.	PCS.		COD. PCS.	(mm)
68612	6	90056	65118, 65119, 65120, 65121, 65122, 65123	8-10, 10-11, 12-13, 14-15, 14-17, 19-21

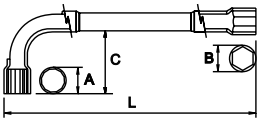


INCH

COD.	PCS.		COD. PCS.	(inch)
68613	5	90056	65124, 65125, 65126, 65127, 65128	1/4-5/16, 3/8-7/16, 1/2-9/16, 5/8-11/16, 3/4-7/8

LLAVES DE PIPA ABIERTAS / *ANGLED OPEN SOCKETS* / CLÉS À PIPE DEBOUCHEES / *PFEIFENKOPFSCHLÜSSEL* / CHIAVI A PIPA APERTE / *DE CACHIMBO ABERTAS* / КЛЮЧ С ИЗОГНУТЫМИ ГОЛОВКАМИ

MM



COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g			
61870	6	-	110	11	11	18	50	6	●	A
61871	7		115	12	12	21				
61872	8	5/16 *	120	13	13	22	60			
61873	9	-	125	14	14		70			
61874	10	25/64 *	130	16	16	26	100			
61875	11	7/16 *	135	17	17		140			
61876	12	5/32 *	145	18	18	27	160			
61877	13	-	150	19	19	30	170			
61878	14	35/64 *	160	21	21	33	230			
61879	15		175	22	22	35				
61880	16	-	185	24	24	39				
61881	17		200	25	25		290			



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

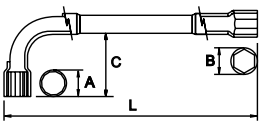
COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g			
61882	18	-	210	26	26	41	340			
61883	19	3/4 *	220	28	28	44	400		●	
61884	20	25/32 *		30	30	45	470			
61885	21	-	230			48	500			
61886	22		245	32	32		600			
61887	23	29/32 *	255	33	33		700			
61888	24		265	34	34	55	800			
61889	25	-	280	36	36		1000			
61890	26		290	37	37			6		A
61891	27	1.1/16 *	300	38	38	60	1200		-	
61892	28	-	310	39	39		1300			
61893	29	1.9/64 *	320	41	41					
61894	30	1.3/16 *	330	42	42		1500			
61895	32		360	45	45	65	1800			
61768	34	-	375	48	48		2000			
61772	36		395	50	50		2200			
61770	38		400			70				

Medidas aproximadas / *Approximate measurements* / Mesures approximatives | DIN 475

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

12 x 6

INCH





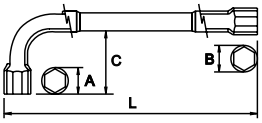
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g			
58143	3/8	130	15	15	24	90			
58144	1/2	150	19	19	30	170		●	
58145	5/8	180	24	24	37	270			
58146	11/16	200	26	26	40	320	6		A
58148	7/8	245	34	34	50	650		-	
58147	15/16	255	28		55	660			

DIN 475

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

6 x 6

MM





COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g			
61166	5,5	7/32 *	110	11	11	18	50			
61170	6	-								
61171	7		115	12	12	21				
61172	8	5/16 *	120	13	13	22	60			
61173	9	-	125	14	14		70			
61174	10	25/64 *	130	16	16	26	100	6	●	C
61175	11	7/16 *	135	17	17		140			
61176	12	15/32 *	145	18	18	27	160			
61177	13	-	150	19	19	30	170			
61178	14	35/64 *	160	21	21	33	230			

A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
C TITACROM®

COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g			
61179	15		175	22	22	35	230			
61180	16	-	185	24	24	39				
61181	17		200	25	25		290		•	
61182	18		210	26	26	41	340			
61183	19	3/4 *	220	28	28	44	400			
61184	20	25/32 *		30	30	45	470			
61185	21	-	230			48	500			
61186	22		240	32	32		600			
61187	23	29/32 *	250	33	33		700			
61188	24		260	34	34	55	800	6		C
61189	25	-	280	36	36		1000			
61190	26		290	37	37					
61191	27	1.1/16 *	300	38	38	60	1200		-	
61192	28	-	310	39	39		1300			
61193	29	1.9/64 *	320	41	41					
61194	30	1.3/16 *	330	42	42		1500			
61195	32		360	45	45	65	1800			
61769	34	-	370	48	48		2000			
61773	36		390	50	50		2200			
61771	38		400			70				

TITACROM® | Medidas aproximadas / *Approximate measurements* / Mesures approximatives | DIN 475

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

6 x 6

KIT-8 PCS.

MM

COD.		PCS.		COD. PCS.	(mm)	
68597	A	8	90057	61872, 61874, 61875, 61877, 61881, 61883, 61886, 61888	8-10-11-13-17-19-22-24	12 x 6
68598	C			61172, 61174, 61175, 61177, 61181, 61183, 61186, 61188		6 x 6



KIT-10 PCS.

MM

COD.		PCS.		COD. PCS.	(mm)	
69351	A	10	90058	61872, 61873, 61874, 61875, 61876, 61877, 61878, 61881, 61883, 61885	8-9-10-11-12-13-14-17-19-21	12 x 6
69353	C			61172, 61173, 61174, 61175, 61176, 61177, 61178, 61181, 61183, 61185		6 x 6



MM

COD.		PCS.		COD. PCS.	(mm)	
68599	A	10	90054	61872, 61874, 61875, 61876, 61877, 61878, 61880, 61881, 61882, 61883	8-10-11-12-13-14-16-17-18-19	12 x 6
68600	C			61172, 61174, 61175, 61176, 61177, 61178, 61180, 61181, 61182, 61183		6 x 6



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
C TITACROM®

KIT-15 PCS.

MM

COD.		PCS.		COD. PCS.	(mm)	
68601	A	15	90061	61872, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61885, 61886, 61887, 61888	8-10-11-12-13-14-15-16-17-18-19-21-22-23-24	12 x 6
68602	C			61172, 61174, 61175, 61176, 61177, 61178, 61179, 61180, 61181, 61182, 61183, 61185, 61186, 61187, 61188		6 x 6



KIT-22 PCS.

MM

COD.		PCS.		COD. PCS.	(mm)	
68603	A	22	90167	61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61885, 61886, 61887, 61888, 61890, 61891, 61892, 61893, 61894,61895	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24-26-27-28-29-30-32	12 x 6
68604	C			61172, 61173, 61174, 61175, 61176, 61177, 61178, 61179, 61180, 61181, 61182, 61183, 61185, 61186, 61187, 61188, 61190, 61191, 61192, 61193, 61194, 61195		6 x 6



EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

54 PCS.

MM

COD.		PCS.	
55570	A	54	12 x 6

PCS.	COD. PCS.	
6	61872	8 mm
	61873	9 mm
	61874	10 mm
	61875	11 mm
	61876	12 mm
	61877	13 mm
	61878	14 mm
4	61881	17 mm
	61883	19 mm
	61885	21 mm



MM

COD.		PCS.	
55571	C	54	6 x 6

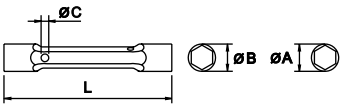
PCS.	COD. PCS.	
6	61172	8 mm
	61173	9 mm
	61174	10 mm
	61175	11 mm
	61176	12 mm
	61177	13 mm
	61178	14 mm
4	61181	17 mm
	61183	19 mm
	61185	21 mm



A Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
C TITACROM®

DE TUBO DOBLE BOCA / *SOCKET DOUBLE ENDED* / CLÉ À TUBE FORGÉE DROITE / *DOPPEL-STECKSCHLÜSSEL* / CHIAVI A TUBO / *DIRITTE TUBOLARES BOCA DUPLA* / ДВОЙНАЯ ГОЛОВКА

MM



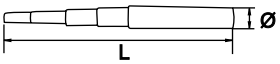
COD.	AF mm	L (mm)	A (mm)	B (mm)	Ø C (mm)	g		
61824	6-7	105	10	11	3	30	10	●
61825	8-9	110	13	14		50		
61826	10-11	120	15	16	5	80		
61827	12-13	140	18	19	6	140		
61828	14-15	145	20	22		155		
61829	16-17	155	23	24	7	180		
61830	18-19	165	25	26	8	230		
61831	20-22	170	28	30		290		
61832	21-23	185	29	31	10	340		
61833	24-26	190	33	33	12	430	6	-
61838	24-27			35				
61834	25-28	200	34	37		500		
61835	27-29	210	37	39		550		
61836	30-32		40	42	13	700		



TITACROM® | DIN 896-A

PASADOR ESCALONADO / *STEP TOMMY BAR* / BROCHE POUR CLÉ À TUBE / *STUFEN-DREHSTIFT FÜR DOPPEL-STECKSCHLÜSSEL* / PUNZONE SFALSATO / *PASSADOR ESCALONADO* / ВОРОТОК СТУПЕНЧАТЫЙ

MM



COD.	L (mm)	O.D. mm	g
61794	180	2,5-4,5-5,5-6	30
61795	280	6,5-7,5-9,5-11,5-12,5-13	200



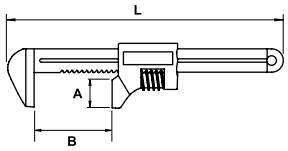
SET

MM

COD.	PCS.		COD. PCS.	(mm)
69489	6	90052	61824, 61825, 61826, 61827, 61828, 61829	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69272	8	90057	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22



LLAVE DE CREMALLERA / *AUTO WRENCH* / CLÉ À CREMAILLERE / *VERSTELLBARE ROHRZANGE* / CHIAVE A CREMAGLIERA / *CHAVE DE CREMALHEIRA* / РАЗВОДНОЙ КЛЮЧ АВТОМОБИЛЬНЫЙ



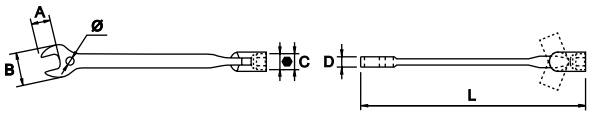
COD.	L (mm)	L (inch)	A (mm)	B (mm)	g	
62028	230	9	30	68	500	5
62029	280	11	41	75	750	
62030	375	15	49	90	1500	1



LLAVES ARTICULADAS / *SWIVEL WRENCHES* / CLÉS ARTICULÉES / *SCHWENKSCHLÜSSEL* / CHIAVI ARTICOLATE / *CHAVES ARTICULADAS* / КЛЮЧИ С ШАРНИРНЫМИ ГОЛОВКАМИ

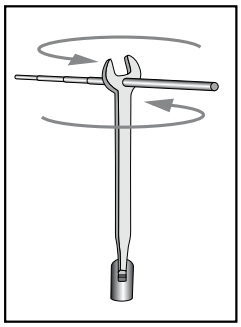
LLAVE COMBINADA CON VASO ARTICULADO / *FLEXIBLE SOCKET COMBINATION SPANNER* / CLÉ MIXTE À DOUILLE ARTICULÉE / *MAUL GELENK STECKSCHLÜSSEL* / CHIAVI COMBINATE CON BUSSOLA ARTICOLATA / *CHAVE COMBINADA COM CAIXA ARTICULADA* / КОМБИНИРОВАННЫЙ КЛЮЧ

MM



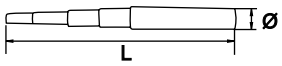
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	O.D. mm	g		
56190	10	180	12	25	15	5,5	6	95	10	●
56191	11	190	14	27	17	6		115		
56192	12	215	15	31	18	6,5		145		
56193	13				19			150		
56194	14	220	16	32	20	8		185		
56195	15		17		24					
56196	17	235	19	38			7	230		
56197	19	250	20	41	26	9		320		





PASADOR ESCALONADO / *STEP TOMMY BAR* / BROCHE POUR CLÉ À TUBE / *STUFEN-DREHSTIFT FÜR DOPPEL-STECKSCHLÜSSEL* / PUNZONE SFALSATO / *PASSADOR ESCALONADO* / ВОРОТОК СТУПЕНЧАТЫЙ

MM

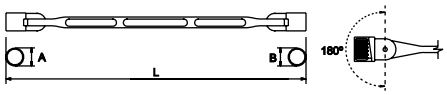


COD.	L (mm)	O.D. mm	g
61794	180	2,5-4,5-5,5-6	30
61795	280	6,5-7,5-9,5-11,5-12,5-13	200



DE VASO DOBLE ARTICULACIÓN / *DOUBLE ENDED SWIVEL* / CLÉ À TUBE ARTICULÉE / *DOPPEL-GELENKSTECKSCHLÜSSEL* / CHIAVE A BUSSOLA DOPPA SNODABILE / *DE CAIXA ARTICULADAS* / КЛЮЧ ДВОЙНАЯ ГОЛОВКА ШАРНИРНАЯ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	g		
61301	8-9	200	12	13	100	10	-
61302	10-11	210	15	16	110		
61303	12-13	230	19	19	155		
61304	14-15	240	21	21	200		
61305	16-17	250	23	24	280		
61306	18-19	270	26	26	390		
61308	20-22	290	28	30	480	5	
61309	21-23		32	32	470		
61310	24-27	330		36	700		



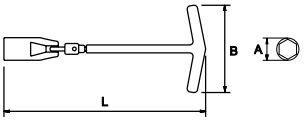
KIT-6

MM

COD.	PCS.	COD. PCS.	(mm)	Kg	
69185	6	61301, 61302, 61303, 61304, 61305, 61306	8-9, 10-11,12-13, 14-15, 16-17, 18-19	1,6	●



DE BUJÍA ARTICULADA / *SPARK PLUG WRENCH* / CLÉS À BOUGIE ART. / *ZÜNDKERZENSCHLÜSSEL* / CHIAVI PER CANDELE SNODABILE / *CHAVE ARTICULADA PARA VELAS* / СВЕЧНОЙ КЛЮЧ



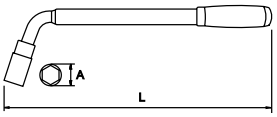
COD.	AF inch	L (mm)	A (mm)	B (mm)	g		
61471	20-13/16	230	28	100	250	8	●

DIN 3112



EXTENSIBLE PARA RUEDAS / *EXTENSIBLE WHEEL WRENCH* / CLÉS À ROUES EXTENSIBLE / *AUSZIEHBARER RADMUTTERNSCHLÜSSEL* / CHIAVE ESTENSIBILE PER RUOTE / *EXTENSÍVEL PARA RODAS* / РАЗДВИЖНОЙ БАЛОННЫЙ КЛЮЧ

MM

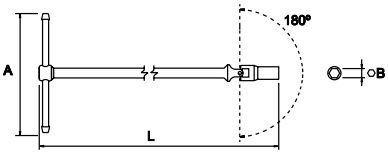


COD.	AF mm	L (mm)	A (mm)	g	
61476	17-19	550	28	800	3

DIN 3112



LLAVES ARTICULADAS EN T / *T-HANDLE WRENCHES WITH UNIVERSAL JOINT* / CLÉ À BEQUILLE ARTICULÉE / *KARDAN GELENKSCHLÜSSEL* / CHIAVE A T CON SNODO CARDANICO / *CHAVES T COM CARDAN* / Т-ОБРАЗНЫЙ КЛЮЧ С ШАРНИРНОЙ ГОЛОВКОЙ

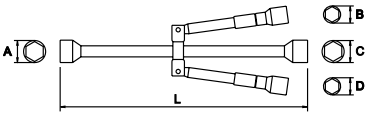


COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	g		
61840	6	-	390	165	10	220	10	●
61841	7				11			
61842	8	5/16 *			12			
61843	9	11/32 *			14			
61844	10	-	450	180	15	420		
61845	11				17			
61846	12	15/32 *			18			
61847	13	1/2 *			19			
61848	14	-			20			
61849	15	19/32 *	500	230	22	480		
61850	16	5/8 *			23			
61851	17	21/32 *			24			
61852	18	-			25			
61853	19	3/4 *			27	850		
61854	20	25/32 *			28			
61855	21	13/16 *			29			
61856	22	-			31			
61858	24	15/16 *			33			

Medidas aproximadas / *Approximate measurements* / Mesures approximatives



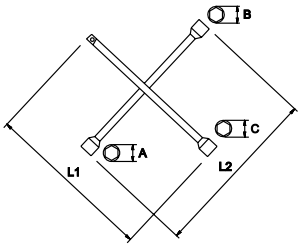
EN CRUZ PLEGABLE / *FOLDING CROSS RIM WRENCH* / CLÉ EN CROIX PLIABLE / *KREUZSCHLÜSSEL, KLAPPBAR* / CHIAVE A CROCE PIEGABILE / *CHAVE EM CRUZ DOBRAVEL* / СКЛАДНОЙ БАЛОННЫЙ КЛЮЧ



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g	
61477	17-19-21-23	355	30	26	32	28	1300	1



EN CRUZ / *CROSS RIM WRENCH* / CLÉ EN CROIX / *KREUZSCHLÜSSEL* / CHIAVE A CROCE / *CHAVE DE CRUZETA* / КРЕСТООБРАЗНЫЙ БАЛОННЫЙ КЛЮЧ



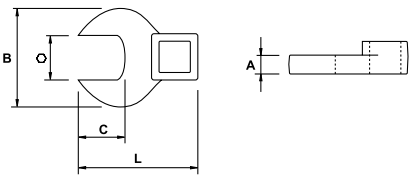
COD.	AF mm	AF inch	L1 (mm)	L2 (mm)	A (mm)	B (mm)	C (mm)	g	
61475	17-19-22	1/2	350	350	28	26	31	1150	1

DIN 3119



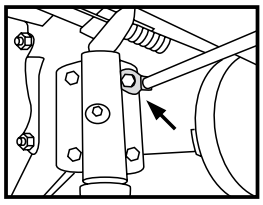
LLAVE FIJA CROWFOOT / *OPEN END CROWFOOT WRENCH* / CLÉ À FOURCHE CROWFOOT / *EINSTECK-MAULSCHLÜSSEL* / CHIAVE FISSA CROWFOOT / *PONTEIRA DE BOCA COM QUADRADO INTERIOR* / РОЖКОВЫЙ КЛЮЧ С КВАДРАТОМ

- 1/4"
- MM



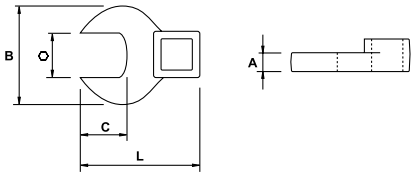
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57211	7	30	6	25	6	70	10	●
57212	8	31		26	7			
57213	9	33		28	8	75		
57214	10	35		30	9			
57215	11	36	7	31	11	90		
57216	12	38		34	12	95		
57217	13	39		35	13			





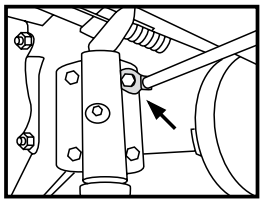
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

INCH



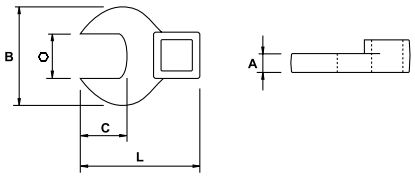
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57218	5/16	31	6	26	7	70	10	●
57219	3/8	33		28	8	75		
57220	7/16	35		30	9			
57221	1/2	38	7	34	12	92		
57222	9/16	39		36	14	100		





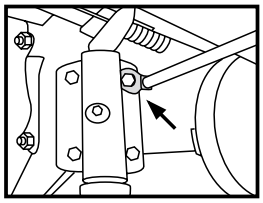
3/8"

MM



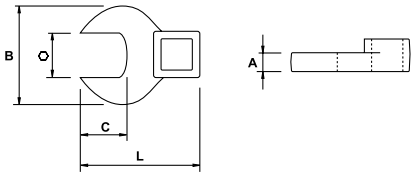
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55710	10	36	6	24	10	28	10	●
55711	11	39	6,5	26	13			
55712	12			27		35		
55713	13	40	7,2	28	14	40		
55714	14	42	8,3	30	15	41		
55715	15	46	8,4	34	16	50		
55716	16				17			
55717	17	48	8,8	36	18	56		
55718	19	50	9	40	21	62		
55719	21	55	9,5	46	22,5	80		
55720	22				23,5	100		
55721	24	65	10	54	25,5	140		
55722	25				26,5			
55723	27				28,5	200		





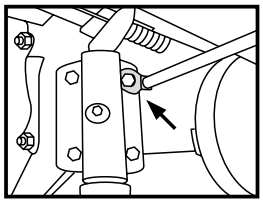
NATO OTAN
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ISO 14001:2015
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INCH



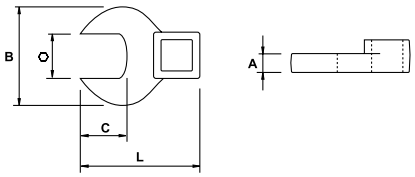
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
55724	3/8	36	6	24	10	28		
55725	7/16	39	6,5	26				
55726	1/2	40	7,2	28	14	40		
55727	9/16	42	8,3	30		41		
55728	5/8	46	8,4	34	17	50		
55729	11/16	48	8,8	36	18	56		
55730	3/4	50	9	40	21	62	10	●
55731	13/16	55	9,5	46	21,5	80		
55732	7/8				22,5	100		
55733	15/16				25,5	140		
55734	1	65	10	54	26,5			
55735	1.1/16				28,5	200		





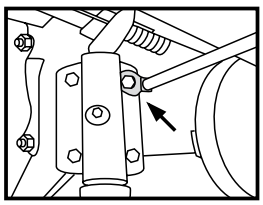
1/2"

MM



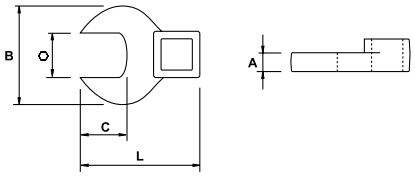
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57224	20	50	12	42	19	150	10	●
57225	21							
57226	22	55		43	20			
57227	23			45	21	160		
57228	24			46	22			
57229	25	60		47	23			
57230	26			49	24	185		
57231	27			50	25	190		
57232	28	65			26	200		
57233	29			55	27			
57234	30	70		60	28	210		
57235	31				29	220		
57236	32				30	230		
57237	33			65	31	250		
57238	34	75			32	260		
57239	35				33			
57240	36			70	34	270		
57241	37				35			
57242	38	80	14	75	36	280		
57243	39				37	290		
57244	40	85		80	38	300		
57245	41				39	320		
57246	42				40			
57247	43	90		85	41	330		
57248	44				42	340		
57249	45				43	360		
57250	46	95	15	90	44	380		





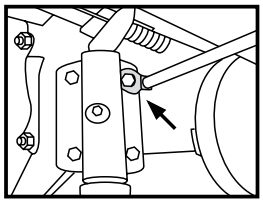
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Management System
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INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57251	15/16	55	12	45	21	160	10	●
57252	1	60		47	23			
57253	1.1/16			50	25	190		
57254	1.1/8	65			26	200		
57255	1.3/16	70		60	28	210		
57256	1.1/4		14		30	230		
57257	1.5/16			65	31	250		
57258	1.3/8	75		70	33	260		
57259	1.7/16				34	270		
57260	1.1/2	80		75	36	280		
57261	1.9/16				37	290		
57262	1.5/8	85		80	39	320		
57263	1.11/16	90			41	330		
57264	1.3/4			84	42	340		
57265	1.13/16	95	15	90	44	380		
57266	1.7/8				45	400		
57267	1.15/16				46	430		
57268	2	100		95	49	460		
57269	2.1/16					480		
57270	2.1/8			100	50	500		
57271	2.3/16					600		
57272	2.1/4	105				650		
57273	2.5/16			105	55			
57274	2.3/8	110				700		
57275	2.7/16			110	60	750		
57276	2.1/2					850		



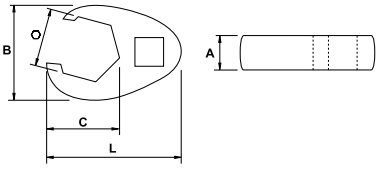


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ART IN INNOVATION

LLAVE HEXAGONAL CROWFOOT / *HEXAGONAL CROWFOOT WRENCH* / CLÉ MÂLE CROWFOOT / *SECHSKANT-EINSTECK-MAULSCHLÜSSEL* / CHIAVE ESAGONALE CROWFOOT / *PONTEIRA HEXAGONAL COM QUADRADO INTERIOR* / РОЖКОВЫЙ ШЕСТИГРАННЫЙ КЛЮЧ С КВАДРАТОМ

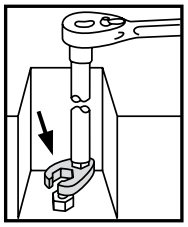
3/8"

MM

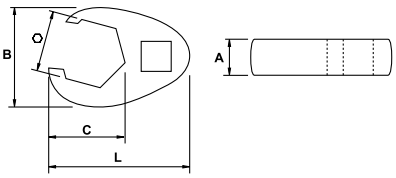


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55736	10	38	7,8	31	16	28	10	●
55737	11				18			
55738	12		8			35		
55739	13					40		
55740	14	41	9	33	21	41		
55741	15					50		
55742	16							
55743	17	45	10,5	36	24	56		
55744	19	46			25	62		
55745	21	50	11	40	28,5	80		
55746	22					100		
55747	24	55	11,5	45	34	140		
55748	25							
55749	27					200		



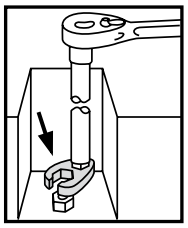


INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
55750	3/8	38	7,8	31	16	28	10	●
55751	7/16				18			
55752	1/2		8			40		
55753	9/16	41	9	33	21	41		
55754	5/8					50		
55755	11/16	46	10,5	36	24	56		
55756	3/4				25	62		
55757	13/16	50	11	40	28,5	80		
55758	7/8					100		
55759	15/16	55	11,5	45	34	140		
55760	1							
55761	1.1/16					200		



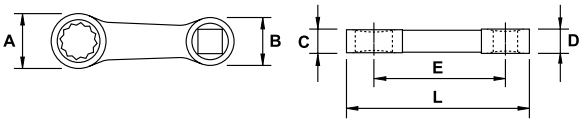


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ADAPTADOR DE PAR / *TORQUE ADAPTER* / ADAPTATEUR DE COUPLE / *DREHMOMENT ADAPTOR* / ADATTATORE DI COPPIA / *ADAPTADOR DE PAR* / АДАПТЕР КРУТЯЩЕГО МОМЕНТА

3/8"

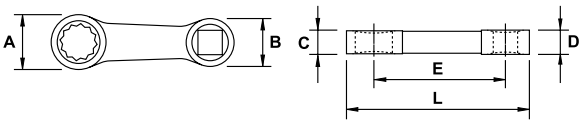
MM



COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57315	8	3/8	73	20	19	9	12	52	50	10	●
57316	10								60		
57317	13			24		11,5					



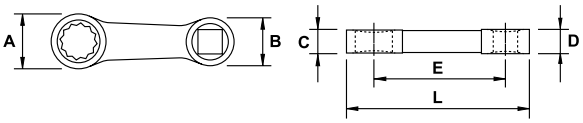
INCH



COD.	AF inch	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57318	5/16	3/8	73	20	19	9	12	52	50	10	●
57319	3/8										
57320	7/16								60		
57321	1/2			24		12					
57322	9/16										



SPLINE



COD.		AF inch	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57323	M7	7/32	3/8	73	20	19	9	12	52	50	10	●
57324	M8	1/4										
57325	M9	9/32										
57326	M10	5/16										
57327	M12	3/8								60		
57328	M14	7/16			24		12					
57329	M16	1/2										
57330	M18	9/16										
57331	M20	5/8										



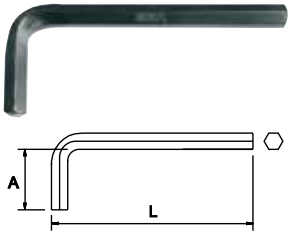
LLAVES EN "L" / *"L" KEYS* / CLÉS EN "L" / *"L" FORM SCHLÜSSEL* / CHIAVI ESAGONALI / *CHAVES EM L* / ШЕСТИГРАННЫЕ КЛЮЧИ

LLAVES HEXAGONALES / *HEXAGONAL KEYS* / CLÉS MÂLES / *INBUSSCHLÜSSEL* / CHIAVI ESAGONALI / *CHAVES HEXAGONAIS* / ШЕСТИГРАННИК

EGA

STANDARD

MM

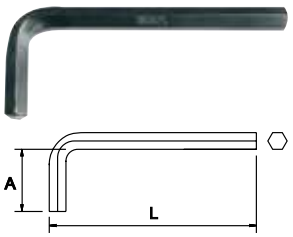


COD.	AF mm	L (mm)	A (mm)	g		
65302	0,9	33	10	0,2		
65955	1,27	40	12	0,9		
61501	1,5	46	14	1,0		
61502	2	50	16	2,0		
61503	2,5	60	17	3,0		-
65956	2,7	55		4,5		
61504	3	65	20	5,0		
65303	3,5	70	21	7,5		
61505	4	75	25	10		
65304	4,5	80	26	14		
61506	5	85	28	15		
61507	5,5			25		
61508	6	95	32	30		
61527	7	100	33	45		
61509	8		36	60	10	●
65305	9	115	38	80		
61510	10	120	40	105		
65306	11	130	42	130		
65307	12	135		170		
65519	13	145	44	190		
65308	14	155	46	260		
65958	15	160	50	310		
65309	16	170		370		
65310	17	175	65	440		
65959	18	190		500		
65311	19	200	70	650		
65960	20			660		
65312	21	210		800		
65313	22	220	82	950		
65314	24	250	90	1250		
65961	27	280	100	1750		-
65962	30	320	110	2450	5	
65963	32	350	120	3050		
65964	36	390	135	4350		
67629	38	380	140	4700		
67630	41		150	5700		
67631	46	410	160	7000		
67632	48		165	7100		
67633	50	450	175	9550	1	
67634	55		185	11200		
67635	60	470	195	14050		
67636	65	480	200	15300		
67637	70	500	210	16700		

ISO 2936 | DIN 911

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	g		
65315	1/16	46	15	0,9		
65316	5/64	50	18	2,0		
65317	3/32	60	20	3,0		-
65318	1/8	65	23	5,0		
65319	5/32	75	29	10		
65320	3/16	85	33	15		
65321	7/32			25		
65322	1/4	95	38	30	10	
65323	5/16	100	44	60		●
65324	3/8	120	50	105		
65325	7/16	130	55	135		
65326	1/2	140		170		
65327	9/16	155	70	260		
65328	5/8	170	75	370		
65329	3/4	200	90	650		
67614	7/8	240		950		-
67615	1	260		1250	5	
67616	1.1/8	270	110	1750		
67617	1.1/4	320	120	3050		
67618	1.5/8	380	150	5700	1	

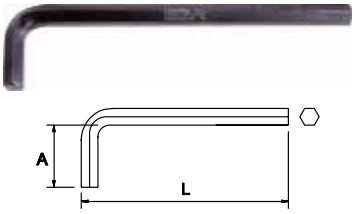
ISO 2936 | DIN 911

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ

MM



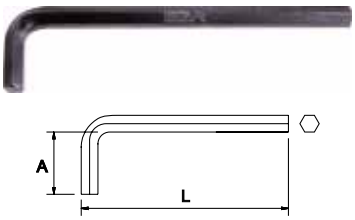
COD.	AF mm	L (mm)	A (mm)	g		
61517	1,5	65	15	1,0		
61518	2	75	18	2,0		-
61519	2,5	85	20	4,0		
61520	3	95	23	7,0		
67298	3,5	100	25	10		
61521	4	105	29	15		
67299	4,5	115	30	19		
61522	5	120	33	25		
61523	5,5	130		35		
61524	6	140	38	40		
61557	7	150	41	60	10	
61525	8	160	44	80		
65330	9	170	47	115		●
61526	10	180	50	140		
65331	11	190	55	200		
65332	12	200		260		
67300	13	210	65	300		
67301	14	230	70	400		
67302	15	240	75	460		
67303	16			500		
67304	17	260	80	650		
67305	19	280	90	850		
67306	22	310	100	1300	1	-
67307	24	360	115	1750		

ISO 2936 | DIN 911

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	g		
68900	1/16	80	14	1,6		
68901	5/64		16	2,7		
68902	3/32	85	17	4,5		
68903	7/64	90	18	6,6		
68904	1/8	95	19	8,3		
68905	9/64	100	20	11		
68906	5/32	105	21	14	10	
68907	3/16	115	24	23		●
68908	7/32	125	26	32		
68909	1/4	135	29	50		
68910	5/16	150	32	80		
68911	3/8	170	35	135		
68912	7/16	190	38	210		
67671	1/2	210	43			
67672	5/8	250	50	370	6	
67653	3/4	290	55	690		
67654	7/8	350	65	1300		
67655	1	400	70	1750		
67656	1.1/8			2300		
67657	1.1/4	450	85	3750	1	-
67673	1.1/2	490	140	5800		
67658	1.5/8	550	150	7100		
67659	1.3/4	570	160	8800		

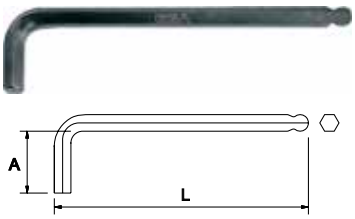
ISO 2936 | DIN 911

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOLA SERIE LARGA / *LONG PATTERN BALLPOINT* / SÉRIE LONGUE À TÊTE SPHÉRIQUE / *KUGELKOPF- INBUSSCHLÜSSEL* / SERIE LUNGA CON TESTA SFERICA / *ESFERICAS, SERIE LONGA* / ДЛИННЫЙ С ШАРОВОЙГОЛОВКОЙ

MM



COD.	AF mm	L (mm)	A (mm)	g		
61615	1,5	65	15	1,0		
61616	2	75	18	2,0		
61617	2,5	85	20	3,0		
61618	3	95	23	5,0		
61619	4	105	29	10		
61620	5	120	33	15	10	
61621	5,5	130		25		
61622	6	140	38	30		●
67493	7	150	40	60		
61623	8	160	44			
67494	9	170	45	110		
61624	10	180	50	140		
67495	12	200		250		
67496	14	230	55	400	1	
67497	17	260	60	650		
67498	19	280	67	850		

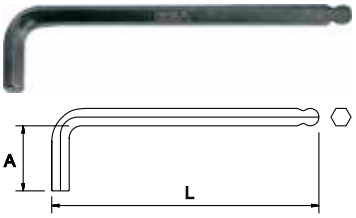
ISO 2936 | DIN 911

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH

COD.	AF inch	L (mm)	A (mm)	g		
68914	1/16	75	14	1,6		
68915	5/64	80	16	2,7		
68916	3/32	85	17	4,5		
68917	7/64	90	18	6,6		
68918	1/8	95	19	8,3		
68919	9/64	100	20	11		
68920	5/32	105	21	14	10	●
68921	3/16	115	24	23		
68922	7/32	125	26	32		
68923	1/4	135	29	50		
68924	5/16	150	32	80		
68925	3/8	170	35	135		
68926	7/16	190	38	210		



ISO 2936 | DIN 911

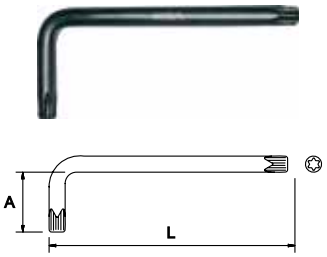
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

LLAVES TORX®* / *TORX®* KEYS* / CLÉS TORX®* / *TORX®* INBUSSCHLÜSSEL* / CHIAVI TORX®* / *CHAVES TORX®** / КЛЮЧ TORX®*

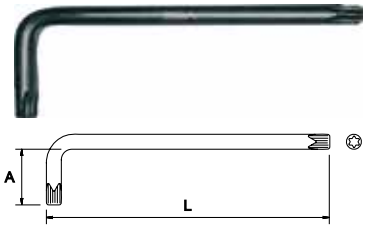
STANDARD

COD.		L (mm)	A (mm)	g		
67801	T-6	41	14	2,5		
67802	T-7					
67803	T-8					
67804	T-9					
65333	T-10	49	16	3,5		
65334	T-15	56	17	5,0		
65335	T-20	62	19	7,5	10	●
65336	T-25	70	20	9,5		
65337	T-27	75	24	15		
65338	T-30	85	29	20		
65339	T-40	95	34	32		
65340	T-45	110	39	44		
65341	T-50	125	41	65		



SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ

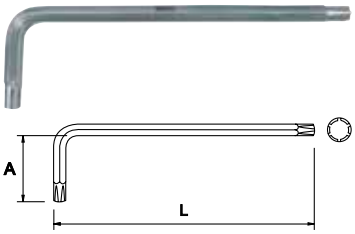
COD.		L (mm)	A (mm)	g		
65342	T-10	90	17	6,0		
65343	T-15	95	18	9,0		
65344	T-20	100	19	12		
65345	T-25	105	20	16		
65346	T-27	110	21	24	10	●
65347	T-30	120	24	31		
65348	T-40	130	26	46		
65349	T-45	140	28	65		
65350	T-50	160	32	90		



• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

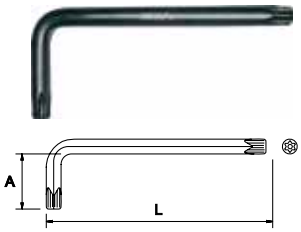
LLAVES RIBE®* / *RIBE®* WRENCHES* / CLÉS RIBES®* / *RIBE® SCHLÜSSEL* / CHIAVE RIBE®* / *CHAVES RIBE®** / КЛЮЧИ RIBE®*

COD.		L (mm)	A (mm)	g		
65975	M4	145	22	16	10	•
65976	M5	150	24	26		
65977	M6	160	30	42		
65978	M7	175	32	80		
65979	M8	185	40	90		
65980	M10	220	55	150		



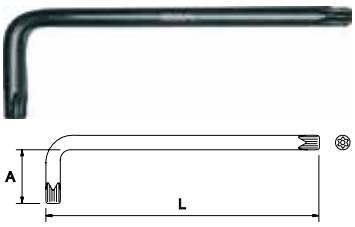
LLAVES TAMPER TORX / *TAMPER TORX KEYS* / CLÉS TAMPER TORX / *TAMPER TORX INBUSSCHLÜSSEL* / CHIAVI TAMPER TORX / *CHAVES TAMPER TORX* / КЛЮЧ TAMPER TORX

COD.		L (mm)	A (mm)	g		
56544	TT8	41	14	2,5	10	•
56545	TT9					
56546	TT10	49	16	3,5		
56547	TT15	56	17	5		
56548	TT20	62	19	7,5		
56549	TT25	70	20	9,5		
56550	TT27	75	24	15		
56551	TT30	85	29	20		
56552	TT40	95	34	32		
56553	TT45	110	39	44		
56554	TT50	125	41	65		



SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ

COD.		L (mm)	A (mm)	g		
56556	TT10	90	17	6	10	•
56557	TT15	95	18	9		
56558	TT20	100	19	12		
56559	TT25	105	20	16		
56560	TT27	110	21	24		
56561	TT30	120	24	31		
56562	TT40	130	26	46		
56563	TT45	140	28	65		
56564	TT50	160	32	90		



EGA Master
ART IN INNOVATION

• *Para tornillos RIBE® (Marca registrada por Richard Bergner Verbindungstechnik GmbH & Co. KG) / *For screws RIBE® (Richard Bergner Verbindungstechnik GmbH & Co. KG registered trademark) / *Pour vis RIBE® (Marque enregistrée par Richard Bergner Verbindungstechnik GmbH & Co. KG)

JUEGOS / *SETS* / ASSORTIMENTS / *SÄTZE* / ASSORTIMENTI / *JOGOS* / НАБОРЫ

COD.	PCS.	g		
61600	10	400	10	●

Composición / *Composition* / Composition	
61502-61504-61505-61506-61508-61509-61510-65306-65519-65308	2-3-4-5-6-8-10-11-13-14



COD.	PCS.	g		
61767	15	650	10	●

Composición / *Composition* / Composition	
61502-61504-61505-61506-61508-61527-61509-65305-61510-65306-55307-65519-65310-65311-65313	2-3-4-5-6-7-8-9-10-11-12-13-17-19-22

COD.	PCS.	g		
69987	7	600	6	●

Composición / *Composition* / Composition	
65975, 65976, 65977, 65978, 65979, 65980	M4, M5, M6, M7, M8, M9, M10



COD.	PCS.	g		
61499	8	105	12	●

Composición / *Composition* / Composition	
61501, 61502, 61503, 61504, 61505, 61506, 61507, 61508	1,5-2-2,5-3-4-5-5,5-6 mm



COD.	PCS.	g		
61500	10	270	12	●

Composición / *Composition* / Composition	
61501, 61502, 61503, 61504, 61505, 61506, 61507, 61508, 61509, 61510	1,5-2-2,5-3-4-5-5,5-6-8-10 mm

COD.	PCS.	g		
61516	10	270	12	●

Composición / *Composition* / Composition	
65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324	1/16"-5/64"-3/32"-1/8"-5/32"-3/16"-7/32"-1/4"-5/16"-3/8"

COD.	PCS.	g		
61512	7	330	12	●

Composición / *Composition* / Composition	Descripción / *Description* / Description	
61519, 61520, 61521, 61522, 61524, 61525, 61526	Serie larga / *Long serie*	2,5-3-4-5-6-8-10 mm



COD.	PCS.	g		
61496	10	360	12	●

Composición / *Composition* / Composition	Descripción / *Description* / Description	
61615, 61616, 61617, 61618, 61619, 61620, 61621, 61622, 61623, 61624	Serie larga / *Long serie*	1,5-2-2,5-3-4-5-5,5-6-8-10 mm



COD.	PCS.	g		
61495	10	360	12	●

Composición / *Composition* / Composition	Descripción / *Description* / Description	
68914, 68915, 68916, 68918, 68920, 68921, 68922, 68923, 68924, 68925	Serie larga / *Long serie*	1/16"-5/64"-3/32"-1/8"-5/32"-3/16"-7/32"-1/4"-5/16"-3/8"



COD.	PCS.	g		
65351	9	250	12	●

Composición / *Composition* / Composition	
65333, 65334, 65335, 65336, 65337, 65338, 65339, 65340, 65341	T10-T15-T20-T25-T27-T30-T40-T45-T50



COD.	PCS.	g		
65665	9	300	6	●

Composición / *Composition* / Composition	Descripción / *Description* / Description	
65342, 65343, 65344, 65345, 65346, 65347, 65348, 65349, 65350	Serie larga / *Long serie*	T10-T15-T20-T25-T27-T30-T40-T45-T50



COD.	PCS.	g		
65650	9	250	12	●

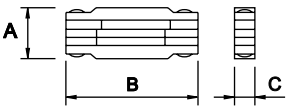
Composición / *Composition* / Composition	
56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554	TT10-TT15-TT20-TT25-TT27-TT30-TT40-TT45-TT50



COD.	PCS.	g		
56566	9	300	6	●

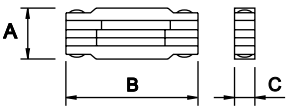
Composición / *Composition* / Composition	Descripción / *Description* / Description	
56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Serie larga / *Long serie*	TT10-TT15-TT20-TT25-TT27-TT30-TT40-TT45-TT50





COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / *Composition* / Composition	g		
61511	8	39	120	32	2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm	290	12	●

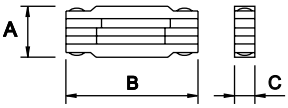




COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / *Composition* / Composition	g		
61514	6	21	95	32	2,5 - 3 - 4 - 5 - 6 - 8 mm	160	12	●

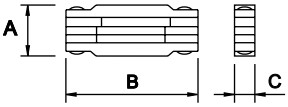


NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / *Composition* / Composition	g			
61513	6	33	90	17	T10-T15-T20-T25-T27-T30	90	12	●	





COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / *Composition* / Composition	g			
56567	6	33	90	17	TT10-TT15-TT20-TT25-TT27-TT30	90	12	●	



COD.	PCS.	Composición / *Composition* / Composition	COD. PCS.	g			
65352	8	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 mm	61501, 61502, 61503, 61504, 61505, 61506, 61508, 61509	140	12	●	
65353		5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16	65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323	150			
65354		T9-T10-T15-T20-T25-T27-T30-T40	67804, 65333, 65334, 65335, 65336, 65337, 65338, 65339	140			
56568		TT9-TT10-TT15-TT20-TT25-TT27-TT30-TT40	56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552				





9

LLAVES DE VASO
SOCKET WRENCHES
DOUILLES
STECKSCHLÜSSEL
BUSSOLE
CHAVES DE CAIXA
ГОЛОВКИ



9 LLAVES DE VASO
SOCKET WRENCHES
DOUILLES

El tener la llave de vaso o accesorio correcto cuando es requerido marca la diferencia. Por esta razón, EGA Master fabrica y mantiene en stock la gama más amplia de llaves de vaso y accesorios de calidad industrial:

Having the right socket wrench or accessory when required makes the difference. For this reason, EGA MASTER makes and keeps in stock the widest range of industrial quality socket wrenches and accessories:

Avoir la bonne douille ou le bon accessoire quand il est faut fait la différence. Pour cette raison, EGA Master fabrique et maintient en stock la plus large gamme de douilles et d'accessoires de qualité industrielle :

USO MANUAL
MANUAL USE
MANUEL D'UTILISATION

			Hexagonal *Hex* Hexagonale	Bihex	Spline	E-torx	Articuladas *Universal* Articulee	Puntas atornilladoras con vaso *Socket bits* Embouts de vissage avec douille	Adaptador de par *Torque adaptor* Adapteur de couple	Crow foot
1/4"	Standard *Shallow/Short* Standard	mm	●	●	●	●	●	●		●
		inch	●	●	●		●	●		●
	Serie larga *Deep/Long* Série longue	mm	●	●				●		
		inch	●	●				●		
3/8"	Standard *Shallow/Short* Standard	mm	●	●		●	●	●	●	●
		inch	●	●			●	●	●	●
	Serie larga *Deep/Long* Série longue	mm	●	●				●		
		inch	●	●				●		
1/2"	Standard *Shallow/Short* Standard	mm	●	●	●	●	●	●		●
		inch	●	●	●		●	●		●
	Serie larga *Deep/Long* Série longue	mm	●	●				●		
		inch	●	●				●		
3/4"	Standard *Shallow/Short* Standard	mm	●	●						
		inch	●	●						
	Serie larga *Deep/Long* Série longue	mm	●							
		inch	●							
1"	Standard *Shallow/Short* Standard	mm	●	●						
		inch	●	●						
	Serie larga *Deep/Long* Série longue	mm								
		inch								



IMPACTO
IMPACT
À CHOC

			Hexagonal *Hex* Hexagonale	4 point	8 point	Puntas atornilladoras con vaso *Socket bits* Embouts de vissage avec douille
3/8"	Standard *Shallow/Short* Standard	mm	●			●
		inch	●			●
	Serie larga *Deep/Long* Série longue	mm				
		inch				
1/2"	Standard *Shallow/Short* Standard	mm	●			●
		inch	●		●	●
	Serie larga *Deep/Long* Série longue	mm	●			
		inch	●			
3/4"	Standard *Shallow/Short* Standard	mm	●	●		●
		inch	●	●	●	●
	Serie larga *Deep/Long* Série longue	mm	●			
		inch	●			
1"	Standard *Shallow/Short* Standard	mm	●	●		●
		inch	●	●	●	●
	Serie larga *Deep/Long* Série longue	mm	●			
		inch	●			
1.1/2"	Standard *Shallow/Short* Standard	mm	●			
		inch	●			
	Serie larga *Deep/Long* Série longue	mm	●			
		inch	●			
2.1/2"	Standard *Shallow/Short* Standard	mm	●			
		inch	●			
	Serie larga *Deep/Long* Série longue	mm				
		inch				
3.1/2"	Standard *Shallow/Short* Standard	mm	●			
		inch	●			
	Serie larga *Deep/Long* Série longue	mm				
		inch				

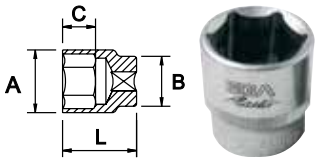


1/4"

STANDARD

MM

6 PT. - 1/4"



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
61322	3,2	25	6	12	7	6	9	30	●
61311	4		7		8				
63974	4,5								
61312	5		8						
63975	5,5		9		9		10		
61313	6								
61314	7		11				12	25	
61315	8		12						
61316	9		13				13	20	
61317	10		15	13	13		15		
61318	11		16	14			17		
61319	12		17	15			20		
61320	13		18				23		
61321	14		17						

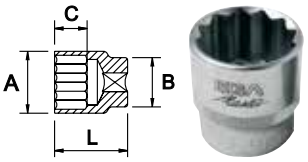
x

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 1/4"



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
59992	4	25	7	12	2	12	9	30	●
63977	5		8		9		10		
63978	5,5		9						
63979	6						12	25	
63980	7		11						
63981	8		12				13		
63982	9		13						
63983	10		15	13	13		15	20	
63984	11		16	14			17		
63985	12		17				20		
63986	13		18	15			23		
63987	14		17						

x

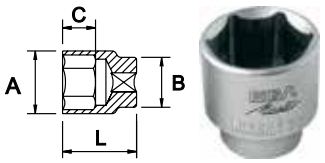
DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH

6 PT. - 1/4"



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
59989	1/8	25	6	12	7	6	9	30	●
60420	5/32		7		9				
60421	3/16								
60422	7/32		9		11		10		
60423	1/4		9,5				12		
60424	9/32		11				13	25	
60425	5/16		12						
60426	11/32		14	14	12		15		
60427	3/8						16		
60428	7/16		16	16			21	20	
60429	1/2		18	18			27		
60430	9/16		20	20	13		34		

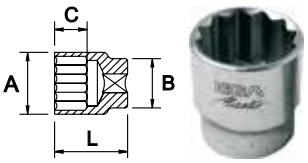
y

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 1/4"



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
63989	3/16	25	7	12	9	12	9	30	●
63990	7/32		9				10		
63991	1/4		9,5		11		12		
63992	9/32		11				13	25	
63993	5/16		12						
63994	11/32		14	14			15		
63995	3/8				12		16		
63996	7/16		16	16			21	20	
63997	1/2		18	18			27		
63998	9/16		20	20	13		34		

y

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée
y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

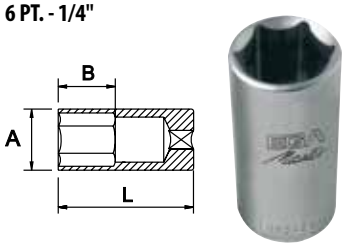
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

1/4"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

6 PT. - 1/4"



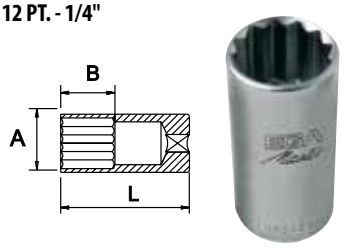
COD.		AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
67640		4		7	10		20		
67641		4,5		8			21		
67642		5			11		23		
67643		5,5		9			24		
67644		6		9,5	14		26		
67645		7		11	19		27		
67646	x	8	50	12		6		10	●
67647		9		13	20		37		
67648		10		15			39		
67649		11		16	22		46		
67650		12		17			50		
67651		13		18	23		55		
67652		14		20			75		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 1/4"



COD.		AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
59993		4		7					
67660		5		8	11		24		
67661		5,5		9					
67662		6		9,5	14		26		
67663		7		11	19		27		
67664		8		12					
67665	x	9	50	13	20	12	37	10	●
67666		10		15			39		
67667		11		16	22		46		
67668		12		17			50		
67669		13		18	23		55		
67670		14		20			75		

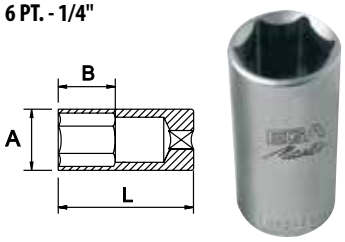
DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH

6 PT. - 1/4"



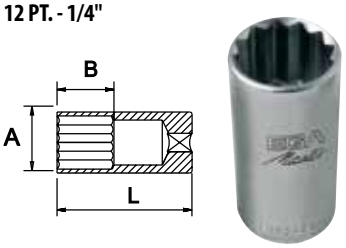
COD.		AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
67674		5/32		7	8		22		
67675		3/16		8	11		24		
67676		7/32		9	14				
67677		1/4		9,5					
67678		9/32		11	18		28		
67679	y	5/16	50	12		6		10	●
67680		11/32		13	20		30		
67681		3/8					44		
67682		7/16		16	22		45		
67683		1/2					55		
67684		9/16		20	26		70		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 1/4"



COD.		AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
67689		5/32		7	8		22		
67690		3/16		8	11		24		
67691		7/32		9	14				
67692		1/4		9,5					
67693		9/32		11	18		28		
67694	y	5/16	50	12		12		10	●
67695		11/32		13	20		30		
67696		3/8					44		
67697		7/16		16	22		45		
67698		1/2					55		
67699		9/16		20	26		70		

DIN 3124

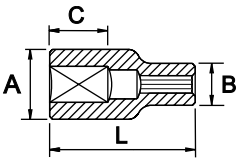
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée
y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

1/4"

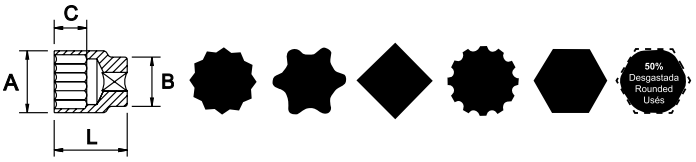
TORX®*



COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
57165	E4	25	7	12	6	11	25	•
57166	E5		8					
57167	E6		9		8	12		
57168	E7		10			13		
57169	E8		11		9	14		
57170	E10		13			16		



SPLINE



COD.		AF inch	AF mm			L (mm)	A (mm)	B (mm)	C (mm)	g		
56015	y	5/32	4	M5	E5	25	12	7	10	10	30	•
56017		-	5	M6	E6			8				
56018		7/32	5,5	M7	-			8,5				
56019		-	6	-				9			25	
55813		1/4	-									
56020		9/32	7	M9	E10		13	10,5		14		
56021		5/16	8	M10				13			20	
56023		-	10	-	-		16	16		23	25	
55814		3/8	-									
56024		7/16	11	M14	E14		18	18		27	20	
56025		-	12	M15	E16		19	19		30		
56026		1/2	13	M16	-		20	20		33		
56027		9/16	14	M18	E18							



DIN 3120

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

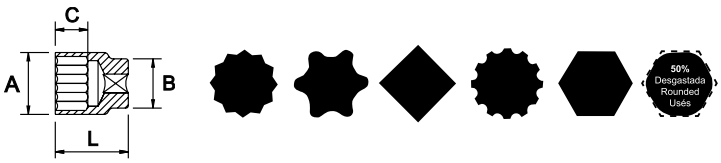
Cr-V

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

1/4"

EXTRACTOR DE TUERCAS DESGASTADAS HASTA EL 50% / *SCREW EXTRACTOR FOR 50% ROUNDED OFF NUTS* / EXTRACTEUR D'ÉCROUS USÉS JUSQU'À 50% / *AUSZIEHER 50% ABGENUTZTE MUTTER* / ESTRATTORE PER DADI SPANATI FINO AL 50% / *EXTRACTOR DE PORCAS DESGASTADAS ATÉ 50%* / СЪЁМНИК ДЛЯ СВЕРНУТЫХ НА 50% ГАЕЕК





COD.		AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
56015		4			7				
56017		5			8			30	
56018		5,5		12	8,5		10		
56019		6			9				
56020		7			10,5			25	
56021	y	8	25	13	13	10	14		●
56023		10		16	16		23		
56024		11							
56025		12		18	18		27	20	
56026		13		19	19		30		
56027		14		20	20		33		

DIN 3120

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

LLAVES DE VASO ARTICULADAS / *UNIVERSAL SOCKET* / DOUILLES ARTICULÉES / *STECKSCHLÜSSELGELENK* / CHIAVE A BUSSOLA ARTICOLATA / *CHAVES DE CAIXA ARTICULADAS* / УНИВЕРСАЛЬНАЯ ГОЛОВКА С ШАРНИРОМ

MM



COD.		AF mm	L (mm)	g		
57279		6				
57280		7				
57281		8	34	23		
57282		9				
57283	x	10			10	●
57284		11				
57285		12				
57286		13	37	56		
57287		14				

○

INCH



COD.		AF inch	L (mm)	g		
57288		1/4				
57289		5/16	34	23		
57290	y	3/8			10	●
57291		7/16				
57292		1/2	37	56		

○

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée
y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

1/4"

PUNTAS ATORNILLADORAS CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHLÜSSELEINSATZ* / INSERTI A BUSSOLA / *PONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

PLANA / *FLAT* / À FENTE / *FLACH* / PIATTA / *PLANA* / ПЛОСКАЯ

COD.	mm	L (mm)	g		
66733	0,8 x 4	37	15	10	●
66734	1 x 5,5				
66735	1,2 x 6,5				
66736	1,2 x 8				



PLANA SERIE LARGA / *SLOTTED LONG* / À FENTE SÉRIE LONGUE / *LANG GESCHLITZT* / PIATTA SERIE LUNGA / *FENDA SÉRIE LONGA* / ПЛОСКАЯ ВЫСОКАЯ СЕРИЯ

COD.	mm	L (mm)	g		
53015	0,8 x 4	50	18	10	●
53016	1 x 5,5				
53017	1,2 x 6,5				



PHILLIPS®*

COD.		L (mm)	g		
66737	PH-1	37	15	10	●
66738	PH-2				
66739	PH-3				
58900	PH-4				



PHILLIPS®* SERIE LARGA / *PHILLIPS®* LONG* / PHILLIPS®* SÉRIE LONGUE / *PHILLIPS®* LANGE SERIE* / PHILLIPS®* SERIE LUNGA / *PHILLIPS®* SÉRIE LONGA* / PHILLIPS®* ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g		
53019	PH-1	50	18	10	●
53020	PH-2				
53021	PH-3				



POZIDRIV®*

COD.		L (mm)	g		
66740	PZ-1	37	15	10	●
66741	PZ-2				
66742	PZ-3				



POZIDRIV®* SERIE LARGA / *POZIDRIV®* LONG* / POZIDRIV®* SÉRIE LONGUE / *POZIDRIV®* LANGE SERIE* / POZIDRIV®* SERIE LUNGA / *POZIDRIV®* SÉRIE LONGA* / POZIDRIV®* ВЫСОКАЯ СЕРИЯ

COD.	L (mm)		g		
53023	50	PZ-1	18	10	●
53024		PZ-2			
53025		PZ-3	19		



HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM

COD.	mm	L (mm)	g		
55697	1,5	37	15	10	●
55698	2				
53013	2,5				
66743	3				
55699	3,5				



- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

1/4"

COD.	mm	L (mm)	g		
66744	4	37	15	10	●
66745	5				
55700	5,5				
66746	6				
67164	7				
66747	8				

INCH

COD.	inch	L (mm)	g		
55670	1/16	37	15	10	●
55671	5/64				
55672	3/32				
55673	7/64				
55674	1/8				
55675	9/64				
55676	5/32				
55677	3/16				
55678	7/32				
55679	1/4				



HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ

MM

COD.	mm	L (mm)	g		
53041	1,5	50	19	10	●
53042	2				
53043	2,5				
53044	3				
53045	4				
53046	5		20		
53047	5,5				
53048	6		22		
53049	7		23		
53050	8				



INCH.

COD.	inch	L (mm)	g		
53051	1/16	50	19	10	●
53052	5/64				
53053	3/32				
53054	7/64				
53055	1/8				
53056	9/64				
53057	5/32				
53058	3/16				
53059	7/32				
53060	1/4				



1/4"

TORX®*



COD.		L (mm)	g		
66729	T-6	37	15	15	●
66730	T-7				
66748	T-8				
66749	T-9				
66750	T-10				
66751	T-15				
66752	T-20			10	
66753	T-25				
66754	T-27				
66755	T-30				
66756	T-40				

TORX®* SERIE LARGA / *TORX®* LONG* / TORX®* SÉRIE LONGUE / *TORX®* LANGE SERIE* / TORX®* SERIE LUNGA / *TORX®* SÉRIE LONGA* / TORX®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53027	T-6	50	18	10	●
53028	T-7				
53029	T-8				
53030	T-9				
53031	T-10				
53032	T-15		19		

TAMPER TORX



COD.		L (mm)	g		
53000	TT6	37	14	10	●
53001	TT7				
53002	TT8				
53003	TT9				
53004	TT10				
53005	TT15				
53006	TT20				
53007	TT25				
53008	TT27				
53009	TT30		15		
53010	TT35				
53011	TT40		16		

TAMPER TORX SERIE LARGA / *TAMPER TORX LONG* / TAMPER TORX SÉRIE LONGUE / *TAMPER TORX LANGE SERIE* / TAMPER TORX SERIE LUNGA / *TAMPER TORX SÉRIE LONGA* / TAMPER TORX ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53034	TT-6	50	18	10	●
53035	TT-7				
53036	TT-8				
53037	TT-9				
53038	TT-10				
53039	TT-15				

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

1/4"

SET

COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
66757	1/4	12	250	1	66733, 66734, 66735, 66736, 66737, 66738, 66739, 66743, 66744, 66745, 66746, 66747	0,8 x 4 - 1 x 5,5 - 1,2 x 6,5 - 1,2 x 8 mm - PH-1 - PH-2 - PH-3 - HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-8
66758					66733, 66734, 66735, 66736, 66740, 66741, 66742, 66743, 66744, 66745, 66746, 66747	0,8 x 4 - 1 x 5,5 - 1,2 x 6,5 - 1,2 x 8 mm - PZ-1 - PZ-2 - PZ-3 - HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-8
66759		9	200		66748, 66749, 66750, 66751, 66752, 66753, 66754, 66755, 66756	T-8 - T-9 - T-10 - T-15 - T-20 - T-25 - T-27 - T-30 - T-40



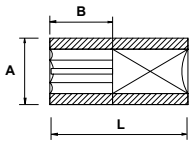
ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEIL* / ADATTATORE / *REDUTOR* / АДАПТЕР

COD.	AF inch AF inch	g		
65880	1/4-3/8	15	6	●



ADAPTADOR PORTAPUNTAS / *BIT HOLDER SOCKET* / ADAPTATEUR POUR EMBOUT PORTE-DOUILLE / *BITHALTER STECKDOSE* / ADATTATORE PORTAINSERTI / *CHAVE DE CAIXA ADAPTADORA PARA PONTEIRAS* / ПЕРЕХОДНИК (АДАПТЕР) ДЛЯ БИТОВ

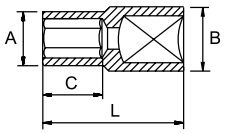
ADAPTADOR CON CLIP DE RETENCIÓN / *RETENTION CLIP ADAPTER* / ADAPTATEUR AVEC CLIP DE RÉTENTION / *HALTEKLAMMER ADAPTOR* / ADATTATORE CON CLIP DI RITENZIONE / *ADAPTADOR COM CLIP DE RETENÇÃO* / ПЕРЕХОДНИК (АДАПТЕР) С УДЕРЖИВАЮЩИМ ШАРИКОМ



COD.		L (mm)	A (mm)	B (mm)	g		
62775	1/4"-1/4"	25	12	12	10	6	●



ADAPTADOR CON RETÉN DE BOLA / *BALL RETAINER ADAPTER* / ADAPTATEUR AVEC BILLE DE RETENUE / *ADAPTOR FÜR STECKSCHÜSSEL* / ADATTATORE CON BLOCCO A SFERA / *ADAPTADOR COM RETENTOR DE BOLA* / ПЕРЕХОДНИК-ФИКСАТОР 1/4»ПАПА НА 1/4»МАМА ДЛЯ ГОЛОВОК



COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
65846	1/4"-1/4"	25	11	12	11	12	6	●



PUNTA PORTAVASOS / *SOCKET HOLDER BIT* / EMBOUT PORTE-DOUILLE / *STECKDOSE HALTERBIT* / INSERTO PORTA BUSSOLE / *CHAVE DE CAIXA PORTA-PONTEIRAS* / АДАПТЕР БИТ-ТРЕЩОТКИ

COD.		L (mm)	g	
55265	1/4"-1/4"	25	10	6



PUNTA ADAPTADORA PARA VASOS DE IMPACTO / *ADAPTER BIT FOR IMPACT SOCKETS* / EMBOUT ADAPTATEUR POUR DOUILLES À CHOC / *ADAPTERBIT FÜR SCHLAGNÜSSE* / INSERTO ADATTATORE PER BUSSOLE A MACCHINA / *PONTA ADAPTADORA PARA CHAVES DE CAIXA DE IMPACTO* / ПЕРЕХОДНИК ДЛЯ УДАРНЫХ БИТ

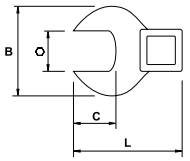
COD.		L (mm)	g	
61695	1/4"-1/4"	65	20	6

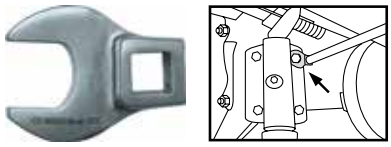


1/4"

LLAVE FIJA CROWFOOT / *OPEN END CROWFOOT WRENCH* / CLÉ À FOURCHE CROWFOOT / *EINSTECK-MAULSCHLÜSSEL* / CHIAVE FISSA CROWFOOT / *PONTEIRA DE BOCA COM QUADRADO INTERIOR* / РОЖКОВЫЙ КЛЮЧ С КВАДРАТОМ

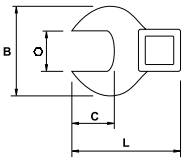
MM

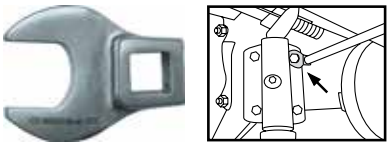




COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57211	7	30	6	25	6	70	10	●
57212	8	31		26	7			
57213	9	33		28	8	75		
57214	10	35		30	9			
57215	11	36	7	31	11	90		
57216	12	38		34	12	95		
57217	13	39		35	13			

INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57218	5/16	31	6	26	7	70	10	●
57219	3/8	33		28	8	75		
57220	7/16	35		30	9			
57221	1/2	38	7	34	12	92		
57222	9/16	39		36	14	100		

DESTORNILLADOR PORTAVASOS / *SOCKET HOLDER* / TOURNEVIS PORTE-DOUILLE / *STECKSCHLÜSSEL-HALTER* / CACCIAVITE PORTA BUSSOLA / *APARAFUSADOR PORTA CHAVES CAIXA* / ДЕРЖАТЕЛЬ ГОЛОВКИ

COD.	AF inch	L (mm)	g		
66732	1/4	180	95	6	●



COD.	AF inch	AF inch	L (mm)	g		
61281	1/4	1/4	150	80	6	●



DESTORNILLADOR PORTAPUNTAS MAGNÉTICO / *MAGNETIC BITHOLDER SCREWDRIVER* / TOURNEVIS PORTE-EMBOUTS MAGNÉTIQUE / *MAGNETISCHER BITHALTER-SCHRAUBENDREHER* / CACCIAVITE PORTA INSERTI MAGNETICOM / *CHAVE PORTA PONTAS MAGNETICO* / ОТВЕРТКА С МАГНИТНЫМ БИТОДЕРЖАТЕЛЕМ

COD.	inch	L (mm)	g		
66731	1/4	215	105	6	●



COD.	inch	L (mm)	g		
76737	1/4	210	120	6	●

1000 V | IEC 60900

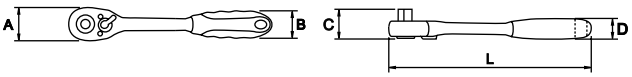


COD.	inch	L (mm)	g		
66249	1/4	150	75	6	●



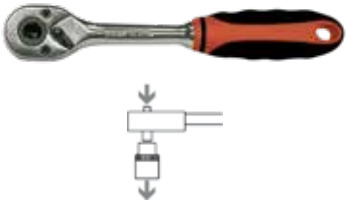
1/4"

LLAVE DE CARRACA REVERSIBLE (VASOS Y PUNTAS) / *REVERSIBLE RATCHET WRENCH (SOCKETS AND BITS)* / CLÉ À CLIQUET RÉVERSIBLE (DOUILLES ET EMBOUTS) / *UMSCHALTKNARRE (STECKSCHLÜSSEL UND BITS)* / CHIAVE A CRICCO REVERSIBILE (BUSSOLE E INSERTI) / *ROQUETE REVERSIVEL (CHAVES DE CAIXA E PONTAS)* / РЕВЕРСИВНАЯ ТРЕЩЕТКА (ГОЛОВКИ И БИТЫ)



COD.	AF inch	L (mm)	⬢	A (mm)	B (mm)	C (mm)	D (mm)	g		
62620	1/4	95	1/4	26	16	23	14	60	6	●

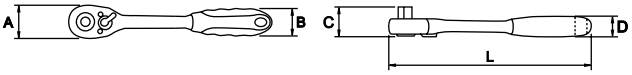
DIN 3122



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

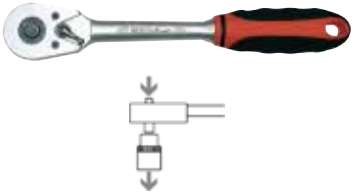
Reducido tamaño para lugares de difícil acceso / *Small size for inaccessible places* / Diminution de la dimensions pour lieux difficiles d'accès ●

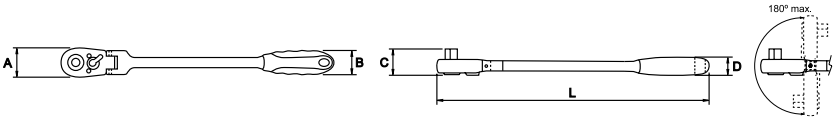
LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62603	1/4	140	23	21	22	17	105	6	●

DIN 3122

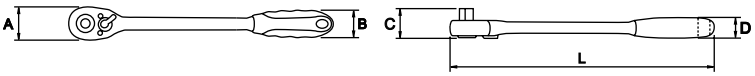




COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
57411	1/4	160	22	21	23	17	120	6	●

DIN 3122





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
57414	1/4	180	23	21	21	17	150	6	●

DIN 3122



MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *QUERGRIFF* / ASTA CON QUADRO SCORREVOLO / *CABO "T" CORREDIÇO* / ПОДВИЖНАЯ "Т" РУЧКА

COD.	AF inch	L (mm)	g		
61438	1/4	115	60	5	●

DIN 3122



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР

COD.	AF inch	g		
61435	1/4	30	10	●

DIN 3123



1/4"

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ



COD.	AF inch	L (inch)	g		
61442	1/4	2	25	5	●
61454		3	35		
61443		4	45		
61444		6	65		
62731		10	110		
59092		14	154		-
59093		24	264		
59094		36	396		

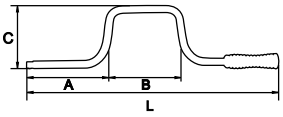
DIN 3123

ALARGADERA ANGULAR / *WOBBLE DRIVE EXTENSION* / RALLONGE ANGULAIRE / *WACKELANTRIEBSERWEITERUNG* / PROLUNGA ANGOLARE / *EXTENSÃO ANGULAR* / УГЛОВОЙ УДЛИНИТЕЛЬ



COD.	AF inch	L (inch)	g		
59098	1/4	2	23	5	●
59099		6	65		-
59100		10	95		

BERBIQUÍ / *SPEEDER HANDLE* / VILEBREQUIN / *KURBEL* / LEVA GIROBECCHINO / *MANIVELA* / КОЛЕНЧАТАЯ РУЧКА





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
61408	1/4	425	130	145	100	450	5	●

DIN 3122

ALARGADERA FLEXIBLE / *FLEXIBLE HANDLE* / RALLONGE FLEXIBLE / *GELENK-STECKGRIFF* / PROLUNGA FLESSIBILE / *EXTENSÃO FLEXÍVEL* / ГИБКАЯ РУКОЯТКА



COD.	AF inch	L (inch)	g		
61445	1/4	6	60	5	●

DIN 3122

MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / IMPUGNATURA SNODABILE / *CABO ARTICULADO* / РУЧКА С ШАРНИРОМ



COD.	AF inch	L (mm)	g		
65874	1/4	150	260	5	●

ADAPTADOR PLANO / *FLAT ADAPTER* / ADAPTATEUR PLAT / *FLACHADAPTER* / ADATTATORE PIATTO / *ADAPTADOR PLANO* / ПЛОСКИЙ ПЕРЕХОДНИК



COD.	IN (inch)	OUT (inch)	L (mm)	Ø 1 (mm)	g
59121	1/4	3/8	13	29	15

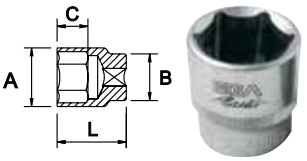
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

3/8"

STANDARD

MM

6 PT. - 3/8"



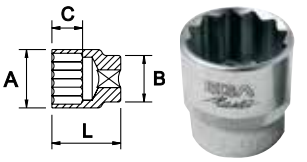
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
67541	6		10		9		20		
67542	7		11						
67543	8		12				24		
67544	9		14	17				25	
67545	10		15		10				
67546	11		16				25		
67547	12								
67548	13		18				28		
67549	14	28	20	18	12		32	20	
67550	x 15		21	19		6			●
67551	16		22		14		48	15	
67552	17		24	21					
67553	18		25	22			55	12	
67554	19		26		15				
67555	20								
67556	21		28	26			80		
67557	22		30					10	
67558	23	32	32	28	17		100		
67559	24								

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 3/8"



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
67539	6		10		9		20		
67540	7		11						
61343	8		12				24		
61344	9		14	17				25	
61345	10		15		10				
61346	11		16				25		
61347	12								
61348	13		18				28		
61349	14	28	20	18	12		32	20	
61350	x 15		21	19		12			●
61351	16		22		14		48	15	
61352	17		24	21					
61353	18		25	22			55	12	
61354	19		26		15				
61355	20								
61356	21		28	26			80		
61357	22		30					10	
67560	23	32	32	28	17		100		
67561	24								

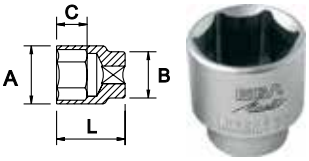
DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH

6 PT. - 3/8"



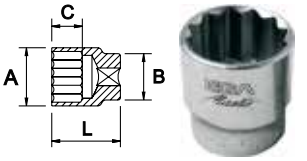
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
67620	1/4		11				22		
67621	9/32								
67622	5/16		12	17				25	
67623	11/32		13		10		24		
67624	y 3/8	28	15			6	26		●
67625	7/16		16						
67626	1/2		18	18			30	20	
67627	9/16		20		12		31		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 3/8"



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
60439	1/4		11				22		
60440	5/16		12	17					
60441	11/32		13		10		24	25	
60442	3/8		15				26		
60443	7/16	28	16				30		
60444	1/2		18	18				20	
60445	9/16		20		12		31		
60446	y 19/32		21	19		12	35	15	●
60447	5/8		22		13		45		
60448	11/16		24	23			50	12	
60449	3/4	30	26	24			60		
60450	13/16		28		17		75		
60451	7/8		30	28			80	10	
60452	15/16	32	32				90		
60453	1		34	30	20		100		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

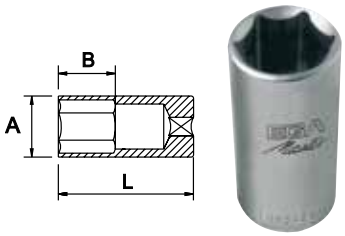
x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée
y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

3/8"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

6 PT. - 3/8"



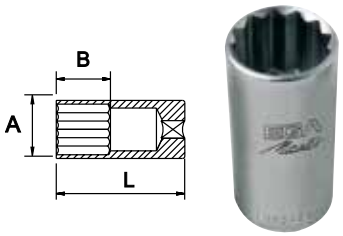
COD.		AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
67705		7		11	16		41		
67706		8		12			42		
67707		9		13	18		50		
67708		10		15	20		55		
67709		11			24				
67710		12		17	25		70		
67711		13		19	27		80		
67712	x	14	65	20		6	85	10	●
67713		15		21			105		
67714		16		22					
67715		17		24	28		130		
67716		18		26			150		
67717		19							
67719		21		28			160		
67720		22		30	30		200		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 3/8"



COD.		AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
67725		7		11	16		41		
67726		8		12			42		
67727		9		13	18		50		
67728		10		15	20		55		
67729		11			24				
67730		12		17	25		70		
67731		13		19	27		80		
67732	x	14	65	20		12	85	10	●
67733		15		21			105		
67734		16		22					
67735		17		24	28		130		
67736		18		26			150		
67737		19							
67738		20		28			155		
67739		21					160		
67740		22		30	30		200		

DIN 3124

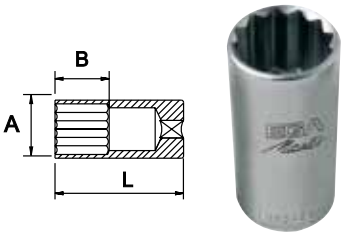
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH

12 PT. - 3/8"

COD.		AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
67750		1/4		11	17		49		
67751		5/16		12	22		50		
67752		3/8		15	23		60		
67753		7/16		16					
67754		1/2		19	26		75		
67755		9/16		20	27		80		
67756	y	19/32	65	21		12	90	10	●
67757		5/8		22			100		
67758		11/16		23	28				
67759		3/4		26			135		
67760		13/16		28			165		
67761		7/8		30			190		
67762		15/16					230		



DIN 3124

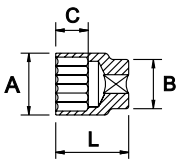
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée
y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

3/8"

TORX®*



COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
57171	E8	28	12	17	10	25	20	●
57172	E10		15			30		
57173	E11		16					
57174	E12							
57175	E14			18				
57176	E16		18			38		
57177	E18	29	22	19		50	10	
57178	E20	30	24	21				



LLAVES DE VASO ARTICULADAS / *UNIVERSAL SOCKET* / DOUILLES ARTICULÉES / *STECKSCHLÜSSELGELENK* / CHIAVE A BUSSOLA ARTICOLATA / *CHAVES DE CAIXA ARTICULADAS* / УНИВЕРСАЛЬНАЯ ГОЛОВКА С ШАРНИРОМ

MM



COD.		AF mm	L (mm)	g		
57293	x	10	45	55	10	●
57294		11	47	57		
57295		12				
57296		13		59		
57297		15		61		
57298		17	50	71		
57299		18				
57300		19		76		

INCH



COD.		AF inch	L (mm)	g		
57301	y	3/8	46	55	10	●
57302		7/16		57		
57303		1/2	47	59		
57304		9/16				
57305		5/8	49	65,5		
57306		11/16	50	71		
57307		3/4	51	76		

TORX®*

COD.			L (mm)	g		
57308	y	E8	46	56	10	●
57309		E10				
57310		E12				
57311		E14				
57312		E16				



x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée
y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée
• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark) / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

3/8"

PUNTAS ATORNILLADORAS CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHLÜSSELEINSATZ* / INSERTI A BUSSOLA / *PONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

PLANA / *FLAT* / À FENTE / *FLACH* / PIATTA / *PLANA* / ПЛОСКАЯ

COD.	mm	L (mm)	g		
66760	1 x 5,5	48	35	10	●
66761	1,2 x 6,5				
66762	1,2 x 8				
66763	1,5 x 8				
66764	1,6 x 10				



PLANA SERIE LARGA / *SLOTTED LONG* / À FENTE SÉRIE LONGUE / *LANG GESCHLITZT* / PIATTA SERIE LUNGA / *FENDA SÉRIE LONGA* / ПЛОСКАЯ ВЫСОКАЯ СЕРИЯ

COD.	mm	L (mm)	g		
53078	1,2 x 6,5	100	46	10	●
53079	1,2 x 8				
53080	1,6 x 10				



PHILLIPS®*

COD.		L (mm)	g		
66765	PH-1	48	35	10	●
66766	PH-2				
66767	PH-3				



PHILLIPS®* SERIE LARGA / *PHILLIPS®* LONG* / PHILLIPS®* SÉRIE LONGUE / *PHILLIPS®* LANGE SERIE* / PHILLIPS®* SERIE LUNGA / *PHILLIPS®* SÉRIE LONGA* / PHILLIPS®* ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g		
53082	PH-1	100	46	10	●
53083	PH-2				
53084	PH-3				



POZIDRIV®*

COD.		L (mm)	g		
66768	PZ-1	48	35	10	●
66769	PZ-2				
66770	PZ-3				



POZIDRIV®* SERIE LARGA / *POZIDRIV®* LONG* / POZIDRIV®* SÉRIE LONGUE / *POZIDRIV®* LANGE SERIE* / POZIDRIV®* SERIE LUNGA / *POZIDRIV®* SÉRIE LONGA* / POZIDRIV®* ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g		
53086	PZ-0	100	46	10	●
53087	PZ-1				
53088	PZ-2				
53089	PZ-3				



- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

3/8"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM

COD.	mm	L (mm)	g		
66771	3	48	35	10	●
55701	3,5				
66772	4				
66773	5				
55702	5,5				
66774	6				
66775	7				
66776	8				
55703	9,5				
66777	10				



INCH

COD.	inch	L (mm)	g		
55680	1/8	48	35	10	●
55681	9/64				
55682	5/32				
55683	3/16				
55684	7/32				
55685	1/4				
55686	5/16				
55687	3/8				



HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ

MM

COD.	mm	L (mm)	g		
66778	4	92	70	10	●
66779	5				
66780	6				
66781	8				
66782	10				



INCH

COD.	inch	L (mm)	g		
56975	1/8	100	90	10	●
56976	9/64				
56977	5/32		95		
56978	3/16		100		
56979	7/32		110		
56980	1/4		115		
56981	5/16		170		
56982	3/8		235		



HEXAGONAL PUNTA DE BOLA SERIE LARGA / *HEXAGONAL BALL POINT LONG SERIE* / HEXAGONALE EMBOUT SPHÉRIQUE SÉRIE LONGUE / *HEXAGONAL KUGELKOPF LANG* / ESAGONALE TESTA SFERICA SERIE LUNGO / *HEXAGONAL PONTA ESFERICA SÉRIE LONGA* / ШЕСТИГРАННАЯ С ШАРОВОЙ ГОЛОВКОЙ ДЛИННАЯ

COD.	mm	L (mm)	g		
66783	4	92	70	10	●
66784	5				
66785	6				
66786	8				
66787	10				



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3/8"

TORX®*



COD.		L (mm)	g		
66788	T-10	48	35	10	●
66789	T-15				
66790	T-20				
66791	T-25				
66792	T-27				
66793	T-30				
58891	T-35				
66794	T-40				
66795	T-45				
66796	T-50				
53063	T-60				

TORX®* SERIE LARGA / *TORX®* LONG* / TORX®* SÉRIE LONGUE / *TORX®* LANGE SERIE* / TORX®* SERIE LUNGA / *TORX®* SÉRIE LONGA* / TORX®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
58173	T-15	75	55	10	●
58174	T-20				
58175	T-25				
58176	T-27				
58177	T-30				
58178	T-40				

COD.		L (mm)	g		
53091	T-10	90	46	10	●
53092	T-15				
53093	T-17				
53094	T-20				
58892	T-25				
53096	T-27		47		
58893	T-30				
58894	T-35		60		
58895	T-50				

TAMPER TORX



COD.		L (mm)	g		
53065	TT-10	48	32	10	●
53066	TT-15				
53067	TT-20		33		
53068	TT-25				
53069	TT-27				
53070	TT-30		34		
53071	TT-35				
53072	TT-40				
58896	TT-45		39		
53074	TT-50				
53075	TT-55				
53076	TT-60		50		

TAMPER TORX SERIE LARGA / *TAMPER TORX LONG* / TAMPER TORX SÉRIE LONGUE / *TAMPER TORX LANGE SERIE* / TAMPER TORX SERIE LUNGA / *TAMPER TORX SÉRIE LONGA* / TAMPER TORX ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53098	TT-10	100	46	10	●
53099	TT-15				
53101	TT-20		47		

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

3/8"

COD.		L (mm)	g		
53102	TT-25	100	47	10	●
53103	TT-27				
58897	TT-45		110		

SET

COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
66797	3/8	11	450	1	66760, 66761, 66762, 66763, 66764, 66765, 66766, 66767, 66768, 66769, 66770	1 x 5,5 - 1,2 x 6,5 - 1,2 x 8 - 1,5 x 8 - 1,6 x 10 mm - PH-1 - PH-2 - PH-3 - PZ-1 - PZ-2 - PZ-3
66798		12	650		66771, 66772, 66773, 66774, 66775, 66776, 66777, 66778, 66779, 66780, 66781, 66782	HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-7 - HEX-8 - HEX-10 - HEX-4(L) - HEX-5(L) - HEX-6(L) - HEX-8(L) - HEX-10(L)
66799					66771, 66772, 66773, 66774, 66775, 66776, 66777, 66783, 66784, 66785, 66786, 66787	HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-7 - HEX-8 - HEX-10 - HEX-4(L-B) - HEX-5(L-B) - HEX-6(L-B) - HEX-8(L-B) - HEX-10(L-B)
66800		9	350		66788, 66789, 66790, 66791, 66792, 66793, 66794, 66795, 66796	T-10 - T-15 - T-20 - T-25 - T-27 - T-30 - T-40 - T-45 - T-50

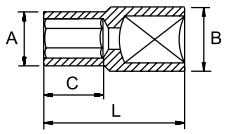


ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEIL* / ADATTATORE / *REDUTOR* / АДАПТЕР

COD.	AF inch AF inch	g		
65884	3/8-1/4	20	6	●
65881	3/8-1/2	45		



ADAPTADOR CON RETÉN DE BOLA / *BALL RETAINER ADAPTER* / ADAPTATEUR AVEC BILLE DE RETENUE / *ADAPTOR FÜR STECKSCHLÜSSEL* / ADATATTORE CON BLOCCAGGIO / *ADAPTADOR DE RETENÇÃO PARA CHAVES DE CAIXA* / ПЕРЕХОДНИК-ФИКСАТОР 1/4»ПАПА НА 1/4»МАМА ДЛЯ ГОЛОВОК



COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
65862	3/8"-1/4"	29	11	17	11	23	6	●

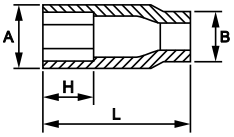


PUNTA ADAPTADORA PARA VASOS DE IMPACTO / *ADAPTER BIT FOR IMPACT SOCKETS* / EMBOUT ADAPTATEUR POUR DOUILLES À CHOC / *ADAPTERBIT FÜR SCHLAGNÜSSE* / INSERTO ADATTATORE PER BUSSOLE A MACCHINA / *PONTA ADAPTADORA PARA CHAVES DE CAIXA DE IMPACTO* / ПЕРЕХОДНИК ДЛЯ УДАРНЫХ БИТ

COD.		L (mm)	g	
61696	3/8"-1/4"	65	26	6



LLAVES DE VASO PARA BUJÍAS / *SPARK PLUG SOCKETS* / DOUILLES POUR BOUGIES / *ZÜNDKERZEN - STECKSCHLÜSSEL* / CHIAVI PER CANDELE / *CHAVES DE CAIXA PA VELAS* / ГОЛОВКИ ДЛЯ СВЕЧЕЙ ЗАЖИГАНИЯ



COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	H (mm)	g		
61460	16	3/8	65	22	19	17	100	6	●
61461	21			28	22	20	150		

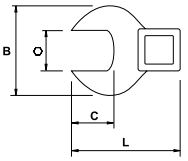
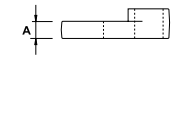


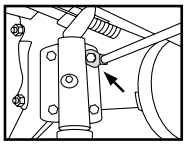
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3/8"

LLAVE FIJA CROWFOOT / *OPEN END CROWFOOT WRENCH* / CLÉ À FOURCHE CROWFOOT / *EINSTECK-MAULSCHLÜSSEL* / CHIAVE FISSA CROWFOOT / *PONTEIRA DE BOCA COM QUADRADO INTERIOR* / РОЖКОВЫЙ КЛЮЧ С КВАДРАТОМ

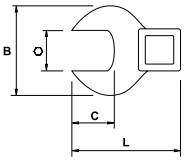
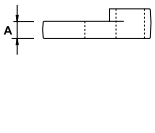
MM

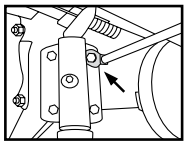





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55710	10	36	6	24	10	28		
55711	11	39	6,5	26	13			
55712	12			27		35		
55713	13	40	7,2	28	14	40		
55714	14	42	8,3	30	15	41		
55715	15	46	8,4	34	16	50		
55716	16				17			
55717	17	48	8,8	36	18	56	10	●
55718	19	50	9	40	21	62		
55719	21	55	9,5	46	22,5	80		
55720	22				23,5	100		
55721	24	65	10	54	25,5	140		
55722	25				26,5			
55723	27				28,5	200		

INCH

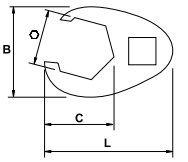
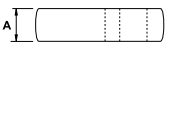



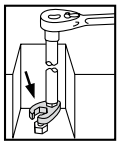


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
55724	3/8	36	6	24	10	28		
55725	7/16	39	6,5	26				
55726	1/2	40	7,2	28	14	40		
55727	9/16	42	8,3	30		41		
55728	5/8	46	8,4	34	17	50		
55729	11/16	48	8,8	36	18	56		
55730	3/4	50	9	40	21	62	10	●
55731	13/16	55	9,5	46	21,5	80		
55732	7/8				22,5	100		
55733	15/16	65	10	54	25,5	140		
55734	1				26,5			
55735	1.1/16				28,5	200		

LLAVE HEXAGONAL CROWFOOT / *HEXAGONAL CROWFOOT WRENCH* / CLÉ MÂLE CROWFOOT / *SECHSKANT-EINSTECK-MAULSCHLÜSSEL* / CHIAVE ESAGONALE CROWFOOT / *PONTEIRA HEXAGONAL COM QUADRADO INTERIOR* / РОЖКОВЫЙ ШЕСТИГРАННЫЙ КЛЮЧ С КВАДРАТОМ

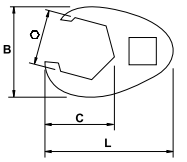
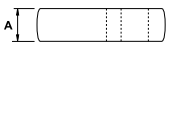
MM

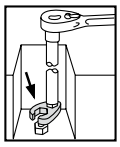





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55736	10	38	7,8	31	16	28		
55737	11				18			
55738	12		8			35		
55739	13					40		
55740	14	41	9	33	21	41		
55741	15					50		
55742	16							
55743	17	45	10,5	36	24	56	10	●
55744	19	46			25	62		
55745	21	50	11	40	28,5	80		
55746	22					100		
55747	24	55	11,5	45	34	140		
55748	25							
55749	27					200		

INCH

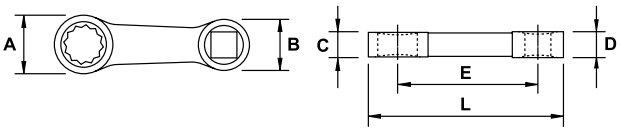


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
55750	3/8	38	7,8	31	16	28		
55751	7/16				18			
55752	1/2		8			40		
55753	9/16	41	9	33	21	41		
55754	5/8					50		
55755	11/16	46	10,5	36	24	56		
55756	3/4				25	62	10	●
55757	13/16	50	11	40	28,5	80		
55758	7/8					100		
55759	15/16	55	11,5	45	34	140		
55760	1							
55761	1.1/16					200		

3/8"

ADAPTADOR DE PAR / *TORQUE ADAPTER* / ADAPTATEUR DE COUPLE / *DREHMOMENT ADAPTOR* / ADATTATORE DI COPPIA / *ADAPTADOR DE PAR* / АДАПТЕР КРУТЯЩЕГО МОМЕНТА

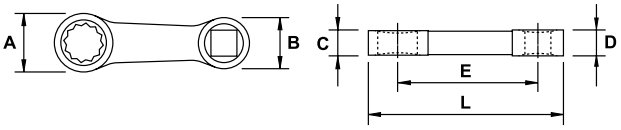
MM



COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57315	8	3/8	75	20	19	9	12	50	50	10	●
57316	10								60		
57317	13			24		12					



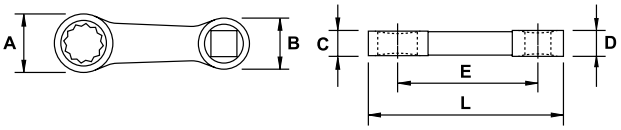
INCH



COD.	AF inch	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57318	5/16	3/8	75	20	19	9	12	50	50	10	●
57319	3/8										
57320	7/16								60		
57321	1/2			24		12					
57322	9/16										



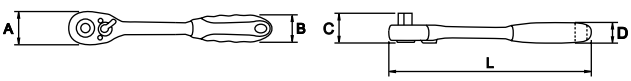
SPLINE



COD.		AF inch	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57323	M7	7/32	3/8	75	20	19	9	12	50	50	10	●
57324	M8	1/4										
57325	M9	9/32										
57326	M10	5/16										
57327	M12	3/8										
57328	M14	7/16										
57329	M16	1/2										
57330	M18	9/16			24		12			60		
57331	M20	5/8										

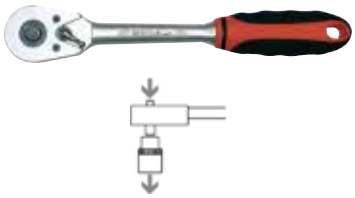


LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

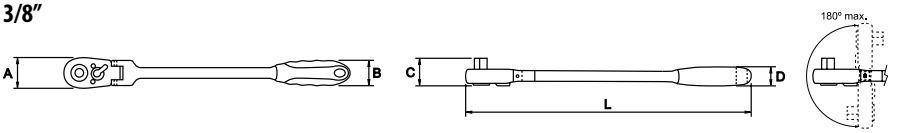


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62604	3/8	200	31	28	29	22	270	6	●

DIN 3122



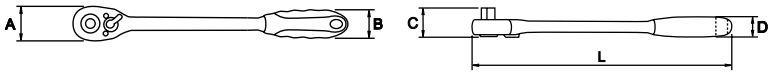
3/8"



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
57412	3/8	300	29	28	30	22	390	6	●



DIN 3122



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
57415	3/8	280	31	28	29	22	370	6	●



DIN 3122

MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *QUERGRIFF* / ASTA CON QUADRO SCORREVOLO / *CABO "T" CORREDIÇO* / ПОДВИЖНАЯ "Т" РУЧКА

COD.	AF inch	L (mm)	g		
61439	3/8	165	180	5	●



DIN 3122

ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР

COD.	AF inch	g		
61436	3/8	80	10	●



DIN 3123

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (inch)	g		
62732	3/8	2	50	5	●
61459		3	65		
61447		6	120		
61449		8	175		
61450		10	240		
59095		14	340		-
59096		24	600		
59097		36	850		



DIN 3123

ALARGADERA FLEXIBLE / *FLEXIBLE HANDLE* / RALLONGE FLEXIBLE / *GELENK-STECKGRIFF* / PROLUNGA FLESSIBILE / *EXTENSÃO FLEXÍVEL* / ГИБКАЯ РУКОЯТКА

COD.	AF inch	L (inch)	g	
62118	3/8	8	180	5



DIN 3122

ALARGADERA ANGULAR / *WOBBLE DRIVE EXTENSION* / RALLONGE ANGULAIRE / *WACKELANTRIEBSERWEITERUNG* / PROLUNGA ANGOLARE / *EXTENSÃO ANGULAR* / УГЛОВОЙ УДЛИНИТЕЛЬ

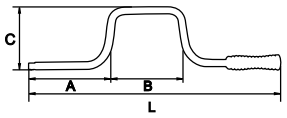
COD.	AF inch	L (inch)	g	
59101	3/8	3	75	5
59102		5	120	
59103		10	230	



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3/8"

BERBIQUÍ / *SPEEDER HANDLE* / VILEBREQUIN / *KURBEL* / LEVA GIROBECCHINO / *MANIVELA* / КОЛЕНЧАТАЯ РУЧКА



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g	
61409	3/8	425	130	140	115	570	5

DIN 3122



MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / IMPUGNATURA SNODABILE / *CABO ARTICULADO* / РУЧКА С ШАРНИРОМ

COD.	AF inch	L (mm)	g		
65875	3/8	214	375	5	●



ADAPTADOR PLANO / *FLAT ADAPTOR* / ADAPTATEUR PLAT / *FLACHADAPTER* / ADATTATORE PIATTO / *ADAPTADOR PLANO* / ПЛОСКИЙ ПЕРЕХОДНИК

COD.	IN (inch)	OUT (inch)	L (mm)	Ø 1 (mm)	g
59122	3/8	1/2	16	38	30





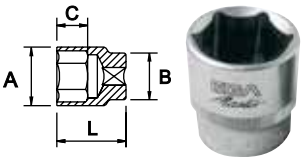
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1/2"

STANDARD

MM

6 PT. - 1/2"



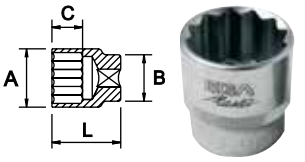
COD.		AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
61800		8		13				48		
61801		9		14		13				
61802		10		15				49		
61803		11		17						
61804		12		18	22			50	25	
61805		13		19						
61806		14		20						
61807		15	38	22		14		55		
61808		16						60		
61809		17		24				65	20	
61810		18		26	23			75		
61811	x	19					6			●
61812		20		28	24			80	15	
61813		21				15				
61814		22		30				110		
61815		23		32	26	16				
61816		24	40					115	10	
61817		25	41	34	28					
61818		26				18		130		
61819		27	42	36	30					
61820		28		38		20		165	8	
61821		29	44		32	21				
61822		30		40		22		210		
61823		32	45	42	38	26			7	

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 1/2"



COD.		AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
61380		8		13				48		
61381		9		14		13				
61382		10		15				49		
61383		11		17						
61384		12		18	22			50	25	
61385		13		19						
61386		14		20						
61387		15	38	22		14		55		
61388		16						60		
61389		17		24				65	20	
61390		18		26	23			75		
61391		19								
61392	x	20		28	24		12	80	15	●
61393		21				15				
61394		22		30				110		
61395		23		32	26	16				
61396		24	40					115	10	
61397		25	41	34	28					
61398		26				18		130		
61399		27	42	36	30					
61400		28		38		20		165	8	
61401		29	44		32	21				
61402		30		40		22		210		
61403		32	45	42	38	26				
59994		34		44		22		250	7	
59995		36	46	48	42			335		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée

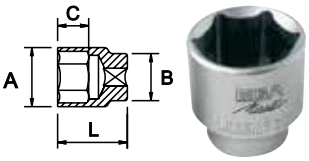
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1/2"

STANDARD

INCH

6 PT. - 1/2"



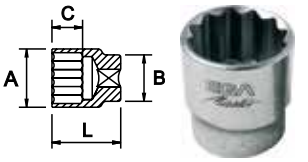
COD.		AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
60460		5/16		13		13		46		
60461		3/8		15				49		
60462		7/16		17				50		
60463		1/2		19					25	
60464		9/16		20	22			55		
60465		19/32		22		14				
60466		5/8	38							
60459		21/32		24				65		
60467		11/16						70	20	
60468	x	3/4		26	23		6	80		●
60469		25/32		28	24					
60470		13/16			25			85	15	
60471		7/8		30		18		95		
60472		15/16		32	26					
60473		31/32	40	33	28			125	10	
60474		1		34				135		
60475		1.1/16	42	36						
60476		1.1/8		38	32	19		185	8	
60477		1.3/16	44	40		22				
60478		1.1/4		42	34	23		210	7	

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 1/2"



COD.		AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
60480		5/16		13		13		46		
60481		3/8		15				49		
60482		7/16		17				50		
60483		1/2		19					25	
60484		9/16		20	22			55		
60485		19/32		22		14				
60486		5/8	38							
60479		21/32		24				65		
60487		11/16						70	20	
60488	x	3/4		26	23		12	80		●
60489		25/32		28	24					
60490		13/16			25			85	15	
60491		7/8		30		18		95		
60492		15/16		32	26					
60493		31/32	40	33	28			125	10	
60494		1		34				135		
60495		1.1/16	42	36						
60496		1.1/8		38	32	19		185	8	
60497		1.3/16	44	40		22				
60498		1.1/4		42	34	23		210	7	

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BE SAFE...BE EFFICIENT

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée

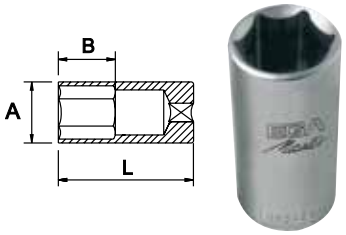
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1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT. - 1/2"



COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
65044	10		16			110		
65045	11		17					
65046	12		18	22		115		
65047	13		19					
65048	14		21					
65049	15		22			125		
65050	16			26				
65051	17		24			130		
65052	18		26			150		
65053	19					165		
65054	21		28			180		
65055	22		30			210		
65056	23		32			240		
65057	24			32		260		
67770	26		36			330		
67771	27					350		
67772	28		38			380		
67773	29							
67774	30		40			420		
67775	32		42			460		

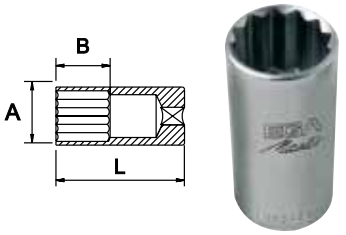
x | 75 | 6 | 10 | ●

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT. - 1/2"



COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
67780	10		16			110		
67781	11		17					
67782	12		18	22		115		
67783	13		19					
67784	14		21					
67785	15		22			125		
67786	16			26				
67787	17		24			130		
67788	18		26			150		
67789	19					165		
59996	20		28			170		
67791	21					180		
67792	22		30			210		
67793	23		32			240		
67794	24			32		260		
59997	25		34			250		
67795	26		36			330		
67796	27					350		
67797	28		38			380		
67798	29							
67799	30		40			420		
67800	32		42			460		

x | 75 | 12 | 10 | ●

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée

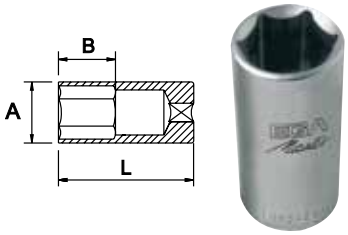
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1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT. - 1/2"



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
65064	3/8		15	24		105		
65065	7/16		17			115		
65066	1/2		19	27				
65067	9/16		21			120		
65068	5/8		22					
65069	11/16	75	24		6	125	10	●
65070	3/4		26	34		150		
65071	13/16		27			170		
65072	7/8		30			210		
65073	15/16		32			250		

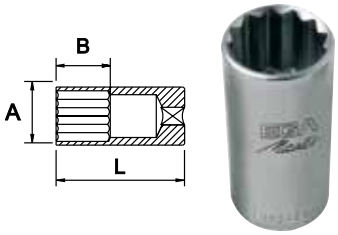
y

DIN 3124

CARACTERÍSTICAS / *FEATURES* / **CARACTÉRISTIQUES**

Cr-V

12 PT. - 1/2"



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
67805	3/8		15	24		105		
67806	7/16		17			115		
67807	1/2		19	27				
67808	9/16		21			120		
67809	5/8		22					
67810	11/16		24			125		
67811	3/4		26			150		
67812	13/16	75	27		12	170	10	●
67813	7/8		30	34		210		
67814	15/16		32			250		
67815	1		34			280		
67816	1.1/16		36			330		
67817	1.1/8		38			370		
67818	1.1/4					455		

y

DIN 3124

CARACTERÍSTICAS / *FEATURES* / **CARACTÉRISTIQUES**

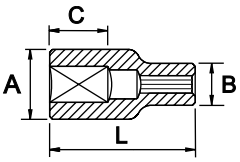
Cr-V

EGA Master
ART IN INNOVATION

y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

1/2"

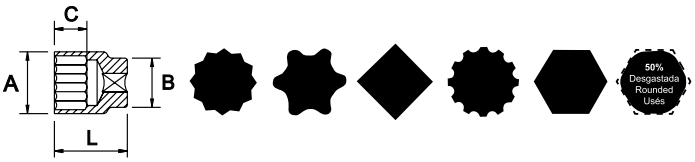
TORX®*



COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
57179	E10	38	15	22	10	55	10	•
57180	E11		17		11	57		
57181	E12		18		13	62		
57182	E14		20			67		
57183	E16		21			73		
57184	E18		24		14	80		
57185	E20							
57186	E22		26	23				
57187	E24		28	25		102		



SPLINE



COD.			AF mm	AF inch		L (mm)	A (mm)	B (mm)	C (mm)	g			
55795	y	M12	10	-	-	38	15,5	22	14	47	25	20	•
55811		-	-	3/8									
55796		M14	11	7/16	E14		17			48			
55797		M15	12	-	E16		18			50			
55798		M16	13	1/2	-		19						
55799		M18	14	9/16	E18		21						
55800		-	15	-	-								
55801		M20	16	5/8	E20		24			65			
55802		-	17	-	-					60	20		
55803		M22	18		E22		26	23		75			
55804		M24	19	3/4	E24					60	15		
55805		M25	20	-	-		28	24	17	80			
55806		M26	21	13/16			30	26		70			
55807		M28	22	7/8						85			
55808		M30	24	15/16	-		32	28		95	10		
55833		-	-	1		40	34		19	115			
55809		M34	27	1.1/16		42	36	32	20	140	8		
55834		-	-	1.1/8		43	38			155			
55810		M38	30	1.3/16		44	40	35	22	180			

DIN 3120



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

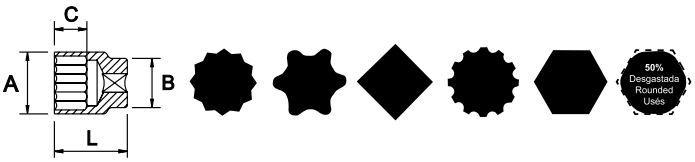
Cr-V

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

1/2"

EXTRACTOR DE TUERCAS DESGASTADAS HASTA EL 50% / *SCREW EXTRACTOR FOR 50% ROUNDED OFF NUTS* / EXTRACTEUR D'ÉCROUS USÉS JUSQU'À 50% / *AUSZIEHER 50% ABGENUTZTE MUTTER* / ESTRATTORE PER DADI SPANATI FINO AL 50% / *EXTRACTOR DE PORCAS DESGASTADAS ATÉ 50%* / СЪЁМНИК ДЛЯ СВЕРНУТЫХ НА 50% ГАЕЕК





COD.		AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55795	y	10	38	15,5	22	14	47	25	●
55796		11		17			48		
55797		12		18			50		
55798		13		19					
55799		14		21					
55800		15		24			65		
55801		16					60	20	
55802		17					75		
55803		18		26	23		60	15	
55804		19				17	80		
55805		20		28	24		70		
55806		21		30	26		85		
55807		22					95	10	
55808		24		32	28		140	8	
55809		27	42	36	32	20	180		
55810		30	44	40	35	22			

DIN 3120

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

PUNTAS ATORNILLADORAS CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHLÜSSELEINSATZ* / INSERTI A BUSSOLA / *PONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

PLANA / *FLAT* / À FENTE / *FLACH* / PIATTA / *PLANA* / ПЛОСКАЯ



COD.	mm	L (mm)	g		
66801	1,2 x 8	62	75	10	●
66802	1,6 x 10				
66803	2 x 12				

PLANA SERIE LARGA / *SLOTTED LONG* / À FENTE SÉRIE LONGUE / *LANG GESCHLITZT* / PIATTA SERIE LUNGA / *FENDA SÉRIE LONGA* / ПЛОСКАЯ ВЫСОКАЯ СЕРИЯ



COD.	mm	L (mm)	g		
53127	1,2 x 8	100	100	10	●
53128	1,6 x 10				
53129	2,0 x 12		125		

PHILLIPS®*



COD.		L (mm)	g		
53105	PH-1	56	70	10	●
66804	PH-2				
66805	PH-3				
66806	PH-4				

y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée
• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

1/2"

PHILLIPS®* SERIE LARGA / *PHILLIPS®* LONG* / PHILLIPS®* SÉRIE LONGUE / *PHILLIPS®* LANGE SERIE* / PHILLIPS®* SERIE LUNGA / *PHILLIPS®* SÉRIE LONGA* / PHILLIPS®* ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g		
53131	PH-1	100	100	10	●
53132	PH-2				
53133	PH-3				
53134	PH-4				



POZIDRIV®*

COD.		L (mm)	g		
53107	PZ-1	55	70	10	●
53108	PZ-2				
53109	PZ-3				
53110	PZ-4				



POZIDRIV®* SERIE LARGA / *POZIDRIV®* LONG* / POZIDRIV®* SÉRIE LONGUE / *POZIDRIV®* LANGE SERIE* / POZIDRIV®* SERIE LUNGA / *POZIDRIV®* SÉRIE LONGA* / POZIDRIV®* ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g		
53136	PZ-1	100	100	10	●
53137	PZ-2				
53138	PZ-3				
53139	PZ-4				



HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM

COD.	mm	L (mm)	g		
66807	4	55	75	10	●
66808	5				
55704	5,5				
66809	6				
66810	7				
66811	8				
67213	9				
55705	9,5				
66812	10				
67214	11				
66813	12		80		
55706	13		95		
66814	14				
55708	17		150		
55707	19				



INCH

COD.	inch	L (mm)	g		
55688	7/32	55	75	10	●
55689	1/4				
55690	5/16				
55691	3/8				
55692	7/16		80		
55693	1/2		95		
55695	5/8		115		
55696	3/4		120		



- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

1/2"

HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ

MM



COD.	mm	L (mm)	g		
66815	5	100	75	10	●
66816	6				
66817	7				
66818	8				
66819	10				
66842	14				

INCH



COD.	inch	L (mm)	g		
56985	7/32	100	90	10	●
56986	1/4				
56987	5/16		95		
56988	3/8		100		
56989	7/16		110		
56990	1/2		115		
56991	9/16		170		
56992	5/8		235		
56993	3/4		350		

XZN



COD.		L (mm)	g		
66820	M-5	55	75	10	●
66821	M-6				
66822	M-8				
66823	M-10				
66824	M-12		85		
66825	M-14		105		
56896	M-16		140		

XZN SERIE LARGA / *XZN LONG* / XZN SÉRIE LONGUE / *XZN LANG* / XZN SERIE LUNGO / *XZN SÉRIE LONGA* / XZN ДЛИННАЯ



COD.		L (mm)	g		
66826	M-6	100	100	10	●
66827	M-8				
66828	M-10		120		
66829	M-12		160		
56897	M-14		165		

TORX®*



COD.		L (mm)	g		
66830	T-20	55	80	10	●
66831	T-25				
66832	T-27				
66833	T-30				
53112	T-35				
66834	T-40				
66835	T-45				
66836	T-50				
66837	T-55				
56895	T-60				

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

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Management System
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ISO 14001:2015
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1/2"

COD.		L (mm)	g		
53113	T-70	55	80	10	●

TORX®* SERIE LARGA / *TORX®* LONG* / TORX®* SÉRIE LONGUE / *TORX®* LANGE SERIE* / TORX®* SERIE LUNGA / *TORX®* SÉRIE LONGA* / TORX®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53141	T-20	100	100	10	●
53142	T-25				
53143	T-27				
53144	T-30				
53145	T-35				
66838	T-40				
66839	T-45		110		
66840	T-50				
66841	T-55				
53146	T-60		125		
53147	T-70		165		

TAMPER TORX



COD.		L (mm)	g		
53115	TT-20	55	70	10	●
53116	TT-25				
53117	TT-27				
53118	TT-30				
53119	TT-35				
53120	TT-40				
53121	TT-45		75		
53122	TT-50				
53123	TT-55				
53124	TT-60		85		
53125	TT-70		110		

TAMPER TORX SERIE LARGA / *TAMPER TORX LONG* / TAMPER TORX SÉRIE LONGUE / *TAMPER TORX LANGE SERIE* / TAMPER TORX SERIE LUNGA / *TAMPER TORX SÉRIE LONGA* / TAMPER TORX ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g		
53149	TT-20	100	100	10	●
53150	TT-25				
53151	TT-27				
53152	TT-30				
53153	TT-35				
53154	TT-40				
53155	TT-45		105		
53156	TT-50				
53157	TT-55				
53158	TT-60		125		
53159	TT-70		165		

PUNTA RIBE®* CON VASO / *RIBE®* BIT SOCKETS* / POINTE RIBE®* AVEC DOUILLE / *RIBE®* SOCKETBIT* / CHIAVI A BUSSOLA PUNTA RIBE®* / *PONTEIRA RIBE®* COM CHAVE DE CAIXA* / ГОЛОВКА ТОРЦЕВАЯ СО ВСТАВКОЙ С ПРОФИЛЕМ RIBE®*



COD.		L (mm)	g		
65985	M5	100	90	10	●
65986	M6				
65987	M7				
65988	M8		95		

- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)
- *Para tornillos RIBE® (Marca registrada por Richard Bergner Verbindungstechnik GmbH & Co. KG) / **For screws RIBE® (Richard Bergner Verbindungstechnik GmbH & Co. KG registered trademark)* / *Pour vis RIBE® (Marque enregistrée par Richard Bergner Verbindungstechnik GmbH & Co. KG)

1/2"

COD.		L (mm)	g		
65989	M9	100	100	10	●
65990	M10		110		
65991	M12		150		
65992	M14		180		
65993	M16		200		

SET

COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
55993	1/2	12	900	1	66801, 66802, 66803, 66804, 66805, 66806, 66807, 66808, 66809, 66811, 66812, 66813	1,2 x 8 - 6 x 10 - 2 x 12 mm - PH-2, PH-3, PH-4 - HEX-4 - HEX-5 - HEX-6 - HEX-8 - HEX-10 - HEX-12
55994			1000		66807, 66808, 55704, 66809, 66810, 66811, 55705, 66812, 66813, 55706, 66814, 55707	HEX-4 - HEX-5 - HEX-5,5 - HEX-6 - HEX-7 - HEX-8 - HEX-9,5 - HEX-10 - HEX-12 - HEX-13 - HEX-14 - HEX-19



COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
56179	1/2	9	950	1	65985, 65986, 65987, 65988, 65989, 65990, 65991, 65992, 65993	M5-M6-M7-M8-M9-M10-M12-M14-M16

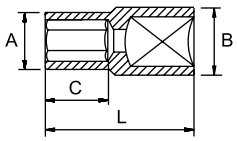
COD.	AF inch	PCS.	g		COD. PCS.	Composición / *Composition* / Composition
55998	1/2	8	750	1	55688, 55689, 55690, 55691, 55692, 55693, 55695, 55696	HEX-7/32" - HEX-1/4" - HEX-5/16" - HEX-3/8" - HEX 7/16" - HEX-1/2" - HEX-5/8" - HEX-3/4"
55995			650		66830, 66831, 66832, 66833, 66834, 66835, 66836, 66837	T-20 - T-25 - T-27 - T-30 - T-40 - T-45 - T-50 - T-55

ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEIL* / ADATTATORE / *REDUTOR* / АДАПТЕР

COD.	AF inch AF inch	g		
65885	1/2-3/8	50	6	●
65882	1/2-3/4	125		



ADAPTADOR CON RETÉN DE BOLA / *BALL RETAINER ADAPTER* / ADAPTATEUR AVEC BILLE DE RETENUE / *ADAPTOR FÜR STECKSCHLÜSSEL* / ADATATTORE CON BLOCCAGGIO / *ADAPTADOR DE RETENÇÃO PARA CHAVES DE CAIXA* / ПЕРЕХОДНИК-ФИКСАТОР 1/4»ПАПА НА 1/4»МАМА ДЛЯ ГОЛОВОК



COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
66388	1/2"-1/4"	38	11	22	15	45	6	●



PUNTA ADAPTADORA PARA VASOS DE IMPACTO / *ADAPTER BIT FOR IMPACT SOCKETS* / EMBOUT ADAPTATEUR POUR DOUILLES À CHOC / *ADAPTERBIT FÜR SCHLAGNÜSSE* / INSERTO ADATTATORE PER BUSSOLE A MACCHINA / *PONTA ADAPTADORA PARA CHAVES DE CAIXA DE IMPACTO* / ПЕРЕХОДНИК ДЛЯ УДАРНЫХ БИТ

COD.		L (mm)	g	
61697	1/2"-1/4"	70	46	6



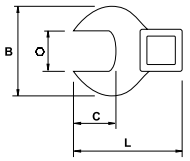
* *Para tornillos RIBE® (Marca registrada por Richard Bergner Verbindungstechnik GmbH & Co. KG) / *For screws RIBE® (Richard Bergner Verbindungstechnik GmbH & Co. KG registered trademark) / *Pour vis RIBE® (Marque enregistrée par Richard Bergner Verbindungstechnik GmbH & Co. KG)

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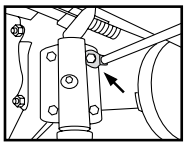
1/2"

LLAVE FIJA CROWFOOT / *OPEN END CROWFOOT WRENCH* / **CLÉ À FOURCHE CROWFOOT** / *EINSTECK-MAULSCHLÜSSEL* / **CHIAVE FISSA CROWFOOT** / *PONTEIRA DE BOCA COM QUADRADO INTERIOR* / **РОЖКОВЫЙ КЛЮЧ С КВАДРАТОМ**

MM

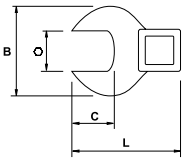




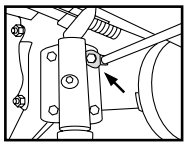


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57224	20	50	12	42	19	150	10	●
57225	21							
57226	22	55		43	20			
57227	23			45	21	160		
57228	24			46	22			
57229	25	60		47	23			
57230	26			49	24	185		
57231	27			50	25	190		
57232	28	65			26	200		
57233	29			55	27			
57234	30	70		60	28	210		
57235	31				29	220		
57236	32				30	230		
57237	33			65	31	250		
57238	34	75			32	260		
57239	35			70	33			
57240	36				34	270		
57241	37				35			
57242	38	80	14	75	36	280		
57243	39				37	290		
57244	40	85		80	38	300		
57245	41				39	320		
57246	42				40			
57247	43	90		85	41	330		
57248	44				42	340		
57249	45				43	360		
57250	46	95	15	90	44	380		

INCH



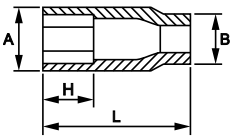




COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57251	15/16	55	12	45	21	160	10	●
57252	1	60		47	23			
57253	1.1/16			50	25	190		
57254	1.1/8	65			26	200		
57255	1.3/16	70		60	28	210		
57256	1.1/4		14		30	230		
57257	1.5/16			65	31	250		
57258	1.3/8	75		70	33	260		
57259	1.7/16				34	270		
57260	1.1/2	80		75	36	280		
57261	1.9/16				37	290		
57262	1.5/8	85		80	39	320		
57263	1.11/16	90			41	330		
57264	1.3/4			84	42	340		
57265	1.13/16	95	15	90	44	380		
57266	1.7/8				45	400		
57267	1.15/16				46	430		
57268	2	100		95	49	460		
57269	2.1/16					480		
57270	2.1/8			100	50	500		
57271	2.3/16					600		
57272	2.1/4	105				650		
57273	2.5/16			105	55			
57274	2.3/8	110				700		
57275	2.7/16			110	60	750		
57276	2.1/2					850		

1/2"

LLAVES DE VASO PARA BUJÍAS / *SPARK PLUG SOCKETS* / DOUILLES POUR BOUGIES / *ZÜNDKERZEN - STECKSCHLÜSSEL* / CHIAVI PER CANDELE / *CHAVES DE CAIXA PA VELAS* / ГОЛОВКИ ДЛЯ СВЕЧЕЙ ЗАЖИГАНИЯ



COD.	AF inch	AF mm	L (m)	A (mm)	B (mm)	H (mm)	g		
61462	1/2	16	65	22	22	14	100	6	●
61463		21		28	24	16	150		



MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / IMPUGNATURA SNODABILE / *CABO ARTICULADO* / РУЧКА С ШАРНИРОМ

COD.	AF inch	L (mm)		g
61441	1/2	390	0 - 180°	650



MANGO ARTICULADO DE ACCIÓN RÁPIDA / *QUICK RELEASE SWIVEL HANDLE* / MANCHE ARTICULÉ ACTION RAPIDE / *GELENKGRIFF MIT SCHNELLVERSTELLUNG* / MANICO SNODABILE AZIONE RAPIDA / *CABO ARTICULADO DE ACÇÃO RÁPIDA* / БЫСТРОСЪЕМНАЯ РУЧКА С ШАРНИРОМ

COD.	AF inch	L (mm)	g	
61483	1/2	430	900	5



MANGO ARTICULADO TELESCÓPICO / *TELESCOPIC SWIVEL HANDLE* / MANCHE ARTICULÉ TÉLESCOPIQUE / *TELESKOPISCHE GELENKGRIFF* / MANICO SNODABILE FLESSIBILE / *CABO ARTICULADO TELESCÓPICO* / ТЕЛЕСКОПИЧЕСКАЯ РУЧКА С ШАРНИРОМ

COD.	AF inch	L min. (mm)	L max. (mm)	g	
61484	1/2	430	650	1150	5



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (inch)	g		
61453	1/2	3	135	5	●
61455		5	220		
61458		10	370		
61464		15	590		-
61472		20	740		

DIN 3123



ALARGADERA FLEXIBLE / *FLEXIBLE HANDLE* / RALLONGE FLEXIBLE / *GELENK-STECKGRIFF* / PROLUNGA FLESSIBILE / *EXTENSÃO FLEXÍVEL* / ГИБКАЯ РУКОЯТКА

COD.	AF inch	L (inch)	g	
62119	1/2	8	300	5

DIN 3122



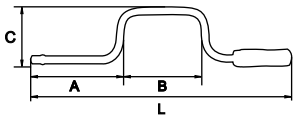
ALARGADERA ANGULAR / *WOBBLE DRIVE EXTENSION* / RALLONGE ANGULAIRE / *WACKELANTRIEBSERWEITERUNG* / PROLUNGA ANGOLARE / *EXTENSÃO ANGULAR* / УГЛОВОЙ УДЛИНИТЕЛЬ

COD.	AF inch	L (inch)	g	
59104	1/2	2	90	5
59105		5	220	
59106		10	420	



1/2"

BERBIQUÍ / *SPEEDER HANDLE* / VILEBREQUIN / *KURBEL* / LEVA GIROBECCHINO / *MANIVELA* / КОЛЕНЧАТАЯ РУЧКА

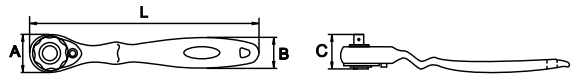


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g	
61434	1/2	410	130	145	95	550	5

DIN 3122

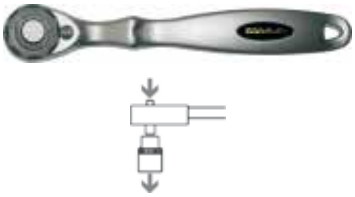


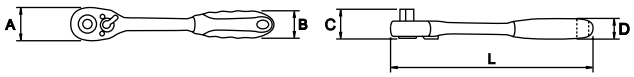
LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
61430	1/2	230	39	31	45	550	6	●

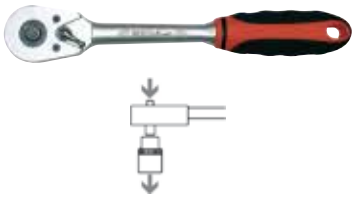
DIN 3122

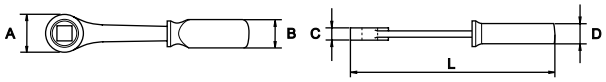




COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62606	1/2	250	42	36	37	28	560	6	●

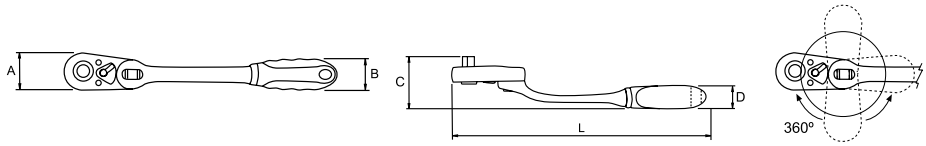
DIN 3122





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61168	1/2	280	45	40	25	25	540	6	●



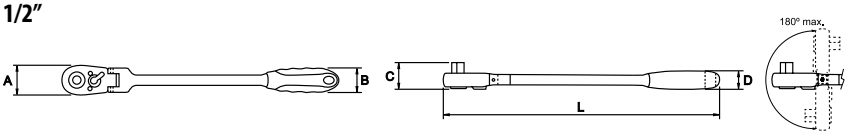


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
57410	1/2	310	40	36	72	28	750	6	●

DIN 3122



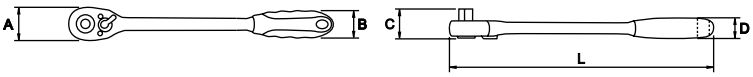
1/2"



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
57413	1/2	450	37	36	38	28	880	6	●



DIN 3122



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
57416	1/2	380	42	36	38	28	710	6	●



DIN 3122

MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *QUERGRIFF* / ASTA CON QUADRO SCORREVOLO / *CABO "T" CORREDIÇO* / ПОДВИЖНАЯ "Т" РУЧКА

COD.	AF inch	L (mm)	g		
61440	1/2	250	160	5	●



DIN 3122

ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР

COD.	AF inch	g		
61437	1/2	140	10	●



DIN 3123

ADAPTADOR PLANO / *FLAT ADAPTER* / ADAPTATEUR PLAT / *FLACHADAPTER* / ADATTATORE PIATTO / *ADAPTADOR PLANO* / ПЛОСКИЙ ПЕРЕХОДНИК

COD.	IN (inch)	OUT (inch)	L (mm)	Ø 1 (mm)	g
59123	1/2	3/4	22	44	60



EGA Master
ART IN INNOVATION

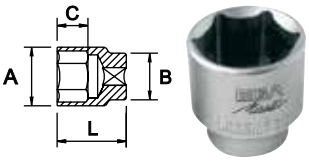
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

3/4"

STANDARD

MM

6 PT. - 3/4"



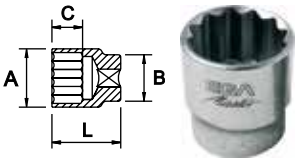
COD.		AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
60501		19		30	33					
60502		21		32		14		210		
60503		22								
60504		23		33		15				
60505		24	50	34	36					
60506		25		36		17		220		
60507		26								
60508		27		38						
60509		28		39		24		230	10	
60510		29		40				250		
60511		30		42				290		
60512		32		44	38	26		300		
60513	x	33		46		28	6	330		●
60514		34	55			26				
60515		35		48	42	28		390		
60516		36		50		29		420		
60517		38			43	31		470		
60518		40	60					500		
60519		41	65	55	45	34		550		
60520		42								
60521		46	70	60		37		650		
60522		50		70		38		850	5	
60525		54	75	75	48	40		1000		
60523		55				41				
60524		60	80	80		45		1100		
60546		65	82	82				1350		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT.- 3/4"



COD.		AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
67565		19		30	33					
67566		21		32		14		210		
67567		22								
67568		23		33		15				
67569		24	50	34	36					
67570		25		36		17		220		
67571		26								
67572		27		38					10	
67573		29		40		24		250		
67574		30		42				290		
67575		32		44	38	26		300		
67576	x	33		46		28	12	330		●
67577		34	55			26				
67578		35		48	42	28		390		
67579		36		50		29		420		
67580		38			43	31		470		
67581		40	60					500		
67582		41		55	45	34		550		
67583		42	65							
67584		44		60		37		600	5	
67585		46	70					650		
67586		50		70	48	38		850		
67587		54	75	75		40		1000		
67588		55								

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée

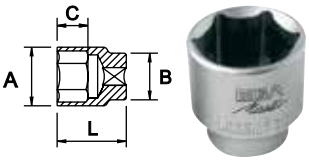
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

3/4"

STANDARD

INCH

6 PT.- 3/4"



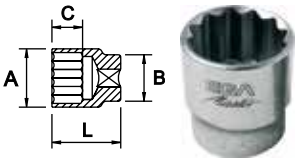
COD.		AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
67595		7/8		33				210		
67596		15/16		35	36	17		220		
67597		1	50							
67598		1.1/16		38		24				
67599		1.1/8		40	38	27		270	10	
67601		1.1/4		44		28		290		
67602	y	1.5/16	55	46	39	29	6	310		●
67603		1.3/8		48	42			350		
67604		1.7/16	60	50		30		400		
67605		1.1/2						460		
67607		1.5/8		55	45	32		550		
67608		1.11/16	65	60		34			5	
67610		1.13/16			47	35		700		
67612		2	70	70	48	41		850		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

12 PT.- 3/4"



COD.		AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
60526		3/4		30				210		
60527		7/8		33	36	17				
60528		15/16	50					220		
60529		1		35						
60530		1.1/16		38		24				
60531		1.1/8		40		27		270	10	
60500		1.3/16		42	38	25				
60532		1.1/4	55	44		28		290		
60533	y	1.5/16		46	39	29	12	310		●
60534		1.3/8		48	42			350		
60535		1.7/16	60	50		30		400		
60536		1.1/2						460		
60537		1.5/8		55	45	32		550		
60538		1.11/16	65			34				
60499		1.3/4		60					5	
60539		1.13/16			47	35		700		
60540		1.7/8	70	65	48	39				
60541		2		70		41		850		

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BE SAFE...BE EFFICIENT

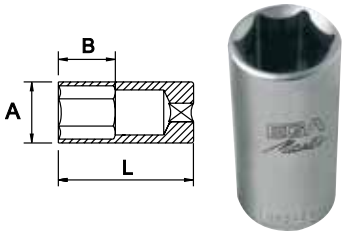
y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

3/4"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

6 PT.- 3/4"



COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
56900	19		29			300		
56901	21		31			320		
56902	22		32	26		360		
56903	23		33			380		
56904	24		34			400	10	
56905	26		37					
56906	27		38			420		
56899	28	90			6			●
56907	29		40	28		460		
56908	30		42			510		
56909	32		44			560		
56910	34		47			610	5	
56911	36		50	30		670		
56912	38		52	34		700		
56913	41		56			790		

x

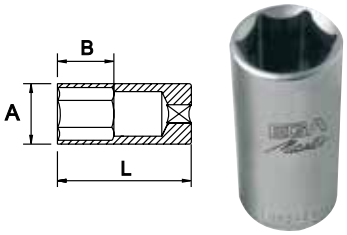
DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH

6 PT.- 3/4"



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
56914	3/4		29			300		
56915	7/8		32	26		360		
56916	15/16		34			400	10	
56917	1		37			410		
56918	1.1/16		38			420		
56919	1.1/8	y	40	28	6	460		●
56920	1.1/4	90	44			560		
56921	1.3/8		48	30		640	5	
56922	1.1/2		52	34		700		
56923	1.5/8		56			790		

y

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

PUNTAS ATORNILLADORAS CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *BIT STECKDOSE* / INSERTI A BUSSOLA / *PONTEIRAS COM CHAVE DE CAIXA* / ГОЛОВКИ-БИТЫ

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL*

COD.	mm	L (mm)	g		
53167	14		310		
53168	17	80	330	10	●
53169	19		340		
53170	22		390		



TORX®*

COD.		L (mm)	g		
53161	T-60		310		
53162	T-70				
53163	T-80	80	320	10	●
53164	T-90				
53165	T-100		350		



x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée

y 100% cromado pulido espejo / *100% mirror polished chrome plating* / 100% polie chromée

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

3/4"

ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEIL* / ADATTATORE / *REDUTOR* / АДАПТЕР

COD.	AF inch AF inch	g		
65883	3/4-1	250	6	●
65886	3/4-1/2"	135		



LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg
61859	3/4	500	69	25	58	2,2

DIN 3122



MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / IMPUGNATURA SNODABILE / *CABO ARTICULADO* / РУЧКА С ШАРНИРОМ

COD.	AF inch	L (mm)	Kg	
61473	3/4	1000	3,7	6



COD.	AF inch	L (mm)	Kg	
61456	3/4	480	1,9	6



MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *QUERGRIFF* / ASTA CON QUADRO SCORREVOLO / *CABO "T" CORREDIÇO* / ПОДВИЖНАЯ "Т" РУЧКА

COD.	AF inch	L (mm)	g	
61864	3/4	450	1200	5

DIN 3122



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР

COD.	AF inch	g		
61860	3/4	600	6	●

DIN 3123



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (inch)	g		
61865	3/4	4	410	5	●
63910		5	480		
61866		8	700		-
63911		12	1050		
63912		16	1300		
63913		20	1650		

DIN 3123



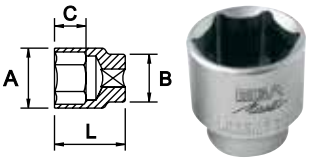
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

1"

STANDARD

MM

6 PT.- 1"



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
65001	36	65	50	45	32	6	500	5	●
65002	41	70	55		35		600		
65003	46	75	65	50	39		850		
65004	50		70		41		1050		
65005	54	80	75	55	42		1150		
65006	55						1250		
65007	58		80				1300		
65008	60	85	85		47		1400	4	
65009	63						1500		
65010	65	90	90		50		1550		
65011	67						1650		
65012	70	95	95	70	55		2050		
65013	71								
65014	75		100				2400		
65015	77	105	105		60		2550		
65016	80								

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée

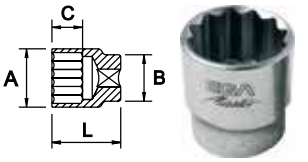
DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH

12 PT.- 1"



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
65022	1.5/8	70	55	45	35	12	550	5	●
65023	1.13/16	75	65	50			800		
65024	1.7/8				37		950		
65025	2		70				1000		
65026	2.1/8	80	75	55	38		1100		
65027	2.3/16						1150		
65028	2.1/4		80		43		1200		
65029	2.3/8	85			45		1300	4	
65030	2.1/2		85		48		1400		
65031	2.5/8	90	90		50		1550		
65032	2.3/4	95	95		55		1950		
65033	3	105	105	70	60		2450		
65034	3.1/8								

x 50% cromado aeroespacial - 50% cromado pulido espejo / *50% aerospatial chrome plating - 50% mirror polished chrome plating* / 50% chromée aérospatiale - 50% polie chromée

DIN 3124

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEIL* / ADATTATORE / *REDUTOR* / АДАПТЕР

COD.	AF inch AF inch	g		
65040	1-3/4	430	6	●



MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / IMPUGNATURA SNODABILE / *CABO ARTICULADO* / РУЧКА С ШАРНИРОМ

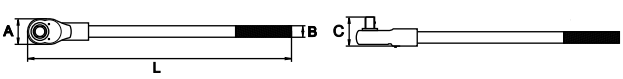
COD.	AF inch	L (mm)	Kg	
61474	1	1000	4,0	6



COD.	AF inch	L (mm)	Kg	
61457	1	650	2,5	6



LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg	
65035	1	650	71	29	67	4,4	1



MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *QUERGRIFF* / ASTA CON QUADRO SCORREVOLO / *CABO "T" CORREDIÇO* / ПОДВИЖНАЯ "T" РУЧКА



COD.	AF inch	L (mm)	g	
65036	1	550	3300	1

DIN 3122

ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР



COD.	AF inch	g		
65039	1	1200	4	●

DIN 3123

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ



COD.	AF inch	L (mm)	L (inch)	g	
65037	1	200	8	1150	5
65038		400	16	2300	

DIN 3123

KITS - SETS

1/4"

10 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
58694	1/4	10	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	0,7

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
6	57165, 57166, 57167, 57168, 57169, 57170	Llaves de vaso Torx® / *Torx® Socket wrenches*	E4-E5-E6-E7-E8-E10	★	-
1	62603	Carraca / *Ratchet*	-		
	61443	Alargadera / *Extension*	6"		
	61435	Articulación universal / *Universal joint*	-		
	61438	Mango en T / *T handle*			

12 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
58685	1/4	12	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	0,7

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
9	61311, 61312, 61313, 61314, 61315, 61316, 61317, 61318, 61319	Llaves de vaso / *Socket wrenches*	4-5-6-7-8-9-10-11-12 mm	○	-
1	62603	Carraca / *Ratchet*	-		
2	61442, 61443	Alargadera / *Extension*	2" - 4"		

COD.	AF inch	PCS.			Kg
58687	1/4	12	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	51079	0,9

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
9	67640, 67642, 67644, 67645,67646, 67647, 67648, 67649, 67650	Llaves de vaso serie larga / *Long socket wrenches*	4-5-6-7-8-9-10-11-12 mm	○	-
1	62603	Carraca / *Ratchet*	-		
2	61442, 61443	Alargadera / *Extension*	2" - 4"		

1/4"

COD.	AF inch	PCS.			Kg
58686	1/4	12	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	0,7

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
9	60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429	Llaves de vaso / *Socket wrenches*	3/16" - 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 1/2"	-
1	62603	Carraca / *Ratchet*	-	
2	61442, 61443	Alargadera / *Extension*	2"- 4"	

COD.	AF inch	PCS.			Kg
58688	1/4	12	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	51079	0,9

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
9	67675, 67676, 67677, 67678, 67679, 67680, 67681, 67682, 67683	Llaves de vaso / *Socket wrenches*	3/16" - 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 1/2"	-
1	62603	Carraca / *Ratchet*	-	
2	61442, 61443	Alargadera / *Extension*	2" - 4"	

COD.	AF inch	PCS.		Kg
61323	1/4	12	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	0,4



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	61311, 61312, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321	Llaves de vaso / *Socket wrenches*	4-5-6-7-8-9-10-11-12-13-14 mm	-
1	62603	Carraca / *Ratchet*	-	

COD.	AF inch	PCS.		Kg
61324	1/4	12	SERIE ESTÁNDAR / *LONG PATTERN* / SÉRIE STANDARD	0,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430	Llaves de vaso / *Socket wrenches*	5/32" - 3/16" - 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 1/2" - 9/16"	-
1	62603	Carraca / *Ratchet*	-	

16 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
58689	1/4	16	SERIE ESTANDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	0,9

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430	Llaves de vaso / *Socket wrenches*	5/32"-3/16"- 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16 - 1/2" - 9/16"	-
1	62603	Carraca / *Ratchet*	-	
	61443	Alargadera / *Extension*	4"	
	61435	Articulación universal / *Universal joint*	-	
	61438	Mango articulado / *Hinged handle*		
	66732	Destornillador portavasos / *Socket holder*		

1/4"

18 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
55591	1/4	18	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	0,9

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
13	61311, 63974, 61312, 63975, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321	Llaves de vaso / *Socket wrenches*	4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm		-
1	62603	Carraca / *Ratchet*	-		
	61443	Alargadera / *Extension*	4"		
	61438	Mango en T / *T Handle*	-		
	61435	Articulación universal / *Universal joint*			
	66732	Destornillador portavasos / *Socket holder*			

21 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
58697	1/4	21	SERIE ESTÁNDAR Y CROWFOOT / *STANDARD AND CROWFOOT PATTERN* / SÉRIE STANDARD ET CROWFOOT	51079	2,1

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
11	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430	Llaves de vaso / *Socket wrenches*	5/32" - 3/16" - 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 1/2" - 9/16"		-
5	57218, 57219, 57220, 57221, 57222	Llaves Fijas Crowfoot / *Open end Crowfoot wrench*	5/16" - 3/8" - 7/16" - 1/2" - 9/16"		
1	62603	Carraca / *Ratchet*	-		
2	61454, 61444	Alargadera / *Extension*	3" - 6"		
1	61435	Articulación universal / *Universal joint*	-		
	66732	Destornillador portavasos / *Socket holder*			

24 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
58693	1/4	24	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	51053	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
10	67640, 67642, 67644, 67645,67646, 67647, 67648, 67649, 67650, 67651	Llaves de vaso serie larga / *Long socket wrenches*	4-5-6-7-8-9-10-11-12-13 mm		-
9	67675, 67676, 67677, 67678, 67679, 67680, 67681, 67682, 67683	LLaves de vaso serie larga / *Long socket wrenches*	3/16"- 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16 - 1/2"		
1	62603	Carraca / *Ratchet*	-		
	61442	Alargadera / *Extension*	2"		
	65874	Mango articulado / *Hinged handle*	-		
	61435	Articulación universal / *Universal joint*			
	66732	Destornillador portavasos / *Socket holder*			

1/4"



COD.	AF inch	PCS.			Kg
61791	1/4	24	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	1,6

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	61311, 61312, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320	Llaves de vaso / *Socket wrenches*	4-5-6-7-8-9-10-11-12-13 mm	-
9	60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429		3/16"-7/32"-1/4"-9/32"- 5/16"-11/32"-3/8"-7/16"-1/2"	
1	62603	Carraca / *Ratchet*	-	
1	61442	Alargadera / *Extension*	2"	
1	61435	Articulación universal / *Universal joint*	-	
1	65874	Mango articulado / *Hinged handle*		
1	66732	Destornillador portavasos / *Socket holder*		

25 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
58696	1/4	25	SERIE ESTÁNDAR Y CROWFOOT / *STANDARD AND CROWFOOT PATTERN* / SÉRIE STANDARD ET CROWFOOT	51079	1,1

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
13	61311, 63974, 61312,63975,61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321	Llaves de vaso / *socket wrenches*	4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm	-
7	57211, 57212, 57213, 57214, 57215, 57216, 57217	Llaves fijas Crowfoot / *Open end Crowfoot wrenches*	7-8-9-10-11-12-13 mm	
1	62603	Carraca / *Ratchet*	-	
2	61454, 61444	Alargadera / *Extension*	3"-6"	
1	61435	Articulación universal / *Universal joint*	-	
1	66732	Destornillador portavasos / *Socket holder*		

29 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
61958	1/4	29	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	0,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	61311, 61312, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321	Llaves de vaso / *Socket wrenches*	4-5-6-7-8-9-10-11-12-13-14 mm	-
1	62603	Carraca / *Ratchet*	-	
2	61442, 61444	Alargadera / *Extension*	2"-6"	
1	61438	Mango en T / *T Handle*	-	
1	61435	Articulación universal / *Universal joint*		
5	66743, 66744, 66745, 66746, 66747	Punta hexagonal con vaso / *Hex bit socket*	3-4-5-6-8	
3	66733, 66734, 66735	Punta plana con vaso / *Flat bit socket*	4 x 0,8 - 5,5 x 1 - 6,5 x 1,2	
4	66737, 66738, 66739, 58900	Punta Phillips® con vaso / *Phillips® bit socket*	PH1-PH2-PH3-PH4	
1	66732	Destornillador portavasos / *Socket holder*	-	

1/4"

COD.	AF inch	PCS.			Kg
61961	1/4	29	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	0,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430	Llaves de vaso / *Socket wrenches*	5/32"-3/16"-7/32"-1/4"-9/32"-5/16"-11/32"-3/8"-7/16"-1/2"-9/16"	-
1	62603	Carraca / *Ratchet*	-	
2	61442, 61444	Alargadera / *Extension*	2"-6"	
1	61438	Mango en T / *T Handle*	-	
	61435	Articulación universal / *Universal joint*		
5	66743, 66744, 66745, 66746, 66747	Punta hexagonal con vaso / *Hex bit socket*	3-4-5-6-8	
3	66733, 66734, 66735	Punta plana con vaso / *Flat bit socket*	4 x 0,8 - 5,5 x 1 - 6,5 x 1,2	
4	66737, 66738, 66739, 58900	Punta Phillips® con vaso / *Phillips® bit socket*	PH1-PH2-PH3-PH4	
1	66732	Destornillador portavasos / *Socket holder*	-	

COD.	AF inch	PCS.			Kg
55667	1/4	29	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	0,8



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	56015, 56017, 56018, 56019, 56020, 56021, 56023, 56024, 56025, 56026, 56027	Spline	M5, M6, M7, M8, M9, M10, M12, M14, M15, M16, M18	-
1	62603	Carraca / *Ratchet*		
2	61442, 61444	Alargadera / *Extension*	2"-6"	
1	61438	Mango en T / *T Handle*	-	
	61435	Articulación universal / *Universal joint*		
5	66743, 66744, 66745, 66746, 66747	Punta hexagonal con vaso / *Hex bit socket*	3-4-5-6-8	
3	66733, 66734, 66735	Punta plana con vaso / *Flat bit socket*	4 x 0,6 - 5,5 x 1 - 7 x 12	
4	66737, 66738, 66739, 58900	Punta Phillips® con vaso / *Philips bit socket*	PH1-PH2-PH3-PH4	
1	61281	Destornillador portavasos / *Socket holder*	-	

30 PCS.- 1/4"

COD.	AF inch	PCS.			Kg
58690	1/4	30	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	51053	3,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	67640, 67642, 67643, 67644, 67645,67646, 67647, 67648, 67649, 67650, 67651	Llaves de vaso serie larga / *Long socket wrenches*	4-5-5,5-6-7-8-9-10-11-12-13 mm	-
	67674, 67675, 67676, 67677, 67678, 67679, 67680, 67681, 67682, 67683, 67684		5/32"-3/16"- 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16 - 1/2" - 9/16"	
1	62603	Carraca / *Ratchet*	-	
2	61442, 61444	Alargadera / *Extension*	2"- 6"	
1	61445	Alargadera flexible / *Flexible handle*	6"	
	61435	Articulación universal / *Universal joint*	-	
	65874	Mango articulado / *Hinged handle*		
	61438	Mango en T / *T handle*		
	66732	Destornillador portavasos / *socket holder*		

1/4"

COD.	AF inch	PCS.			Kg
58691	1/4	30	SERIE ESTÁNDAR Y SERIE LARGA / *STANDARD AND LONG PATTERN* / SÉRIE STANDARD ET LONGUE	51053	2,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430	Llaves de vaso / *Socket wrenches*	5/32"-3/16"- 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16 - 1/2" - 9/16	-
	67674, 67675, 67676, 67677, 67678, 67679, 67680, 67681, 67682, 67683, 67684	Llaves de vaso serie larga / *Long socket wrenches*		
1	62603	Carraca / *Ratchet*	-	
2	61442, 61444	Alargadera / *Extension*	2" - 6"	
1	61445	Alargadera flexible / *Flexible handle*	6"	
1	65874	Mango Articulado / *Hinged handle*	-	
	61438	Mango en T / *T handle*		
	61435	Articulación universal / *Universal joint*		
	66732	Destornillador portavasos / *Socket holder*		

COD.	AF inch	PCS.			Kg
55592	1/4	30	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	2,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	61322, 61311, 61312, 63975, 61313, 61314, 61315, 61316, 61317, 61318, 61319	Llaves de vaso / *Socket wrenches*	3,2-4-5-5,5-6-7-8-9-10-11-12 mm	-
	60420, 60421, 60422, 60423, 60424, 60425, 60426, 60427, 60428, 60429, 60430		5/32"-3/16"-7/32"-1/4"-9/32"-5/16"-11/32"-3/8"- 7/16"-1/2"-9/16"	
1	62603	Carraca / *Ratchet*	-	
2	61442, 61444	Alargadera / *Extension*	2"-6"	
1	61445	Alargadera flexible / *Flexible handle*	-	
	65874	Mango articulado / *Hinged handle*		
	61438	Mango en T / *T Handle*		
	61435	Articulación universal / *Universal joint*		
	66732	Destornillador portavasos / *Socket holder*		

32 PCS.- 1/4"

COD.	AF inch	PCS.			Kg
58695	1/4	32	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	1,7



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62603	Carraca / *Ratchet*	-
	61443	Alargadera / *Extension*	4"
5	66743, 66744, 66745, 66746, 66747	Punta hexagonal con vaso / *Hex bit socket*	3-4-5-6-8 mm
4	55697, 55698, 55699, 55700		1/16"-5/64"-9/64"-7/32"
	66733, 66734, 66735, 66736	Punta plana con vaso / *Flat bit socket*	4 x 0,8 - 5,5 x 1 - 6,5 x 1,2 - 8 x 1,2
3	66737, 66738, 66739	Punta Phillips® con vaso / *Phillips® bit socket*	PH1-PH2-PH3
	66740, 66741, 66742	Punta Pozidriv con vaso / *Pozidriv bit socket*	PZ1-PZ2-PZ3
11	66729, 66730, 66748, 66749, 66750, 66751, 66752, 66753, 66754, 66755, 66756	Punta Torx® con vaso / *Torx® bit socket*	T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40

1/4"

33 PCS.- 1/4"



COD.	AF inch	PCS.			Kg
55590	1/4	33	SERIE ESTÁNDAR Y SERIE LARGA / *STANDARD AND LONG PATTERN* / SÉRIE STANDARD ET LONGUE	51053	2,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
13	61322, 61311, 61312, 63975, 61313, 61314, 61315, 61316, 61317, 61318, 61319, 61320, 61321	Llaves de vaso / *Socket wrenches*	3,2-4-5-5,5-6-7-8-9-10-11-12-13-14 mm	-
12	67640, 67642, 67643, 67644, 67645, 67646, 67647, 67648, 67649, 67650, 67651,67652	Llaves de vaso serie larga / *Long socket wrenches*	4-5-5,5-6-7-8-9-10-11-12-13-14 mm	
1	62603	Carraca / *Ratchet*	-	
2	61442, 61444	Alargadera / *Extension*	2"-6"	
1	61445	Alargadera flexible / *Flexible handle*	-	
	65874	Mango articulado / *Hinged handle*		
	61438	Mango en T / *T Handle*		
	61435	Articulación universal / *Universal joint*		
	66732	Destornillador portavasos / *Socket holder*		

1/4" - 1/2"

18 PCS.- 1/4" - 1/2"



COD.	AF inch	PCS.			Kg
58726	1/2, 1/4	18	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51079	2,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
7	61385, 61386, 61387, 61388, 61389, 61391, 61394	Llaves de vaso 1/2" / *Socket wrenches 1/2"*	13-14-15-16-17-19-22 mm	-
1	62606	Carraca 1/2" / *Ratchet 1/2"*	-	
	61455	Alargadera 1/2" / *Extension 1/2"*	5"	
7	61311, 63974, 63977, 63979, 63980, 63981, 63983	Llaves de vaso 1/4" / *Socket wrenches 1/4"*	4-4,5-5-6-7-8-10 mm	-
1	62603	Carraca 1/4" / *Ratchet 1/4"*	-	
	61454	Alargadera 1/4" / *Extension 1/4"*	3"	



COD.	AF inch	PCS.			Kg
58727	1/2, 1/4	19	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	3,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
7	60483, 60484, 60485, 60486, 60487, 60488, 60491	Llaves de vaso 1/2" / *Socket wrenches 1/2"*	1/2"-9/16"-19/32"-5/8"-11/16"-3/4"-7/8"	-
1	62606	Carraca 1/2" / *Ratchet 1/2"*	-	
2	61453, 61458	Alargadera 1/2" / *Extension 1/2"*	3"-10"	
1	61437	Articulación universal 1/2" / *Universal joint 1/2"*	-	
7	60420, 60421, 63991, 63992, 63993, 63995, 63996	Llaves de vaso 1/4" / *Socket wrenches 1/4"*	5/32"-3/16"-1/4"-9/32"-5/16"- 3/8"-7/16"	-
1	62603	Carraca 1/4" / *Ratchet 1/4"*	-	

COD.	AF inch	PCS.			Kg
58728	1/2, 1/4	19	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	50974	3,7

1/4" - 1/2"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
7	67783, 67784, 67785, 67786, 67787, 67789, 67792	Llaves de vaso serie larga 1/2" / *Long socket wrenches 1/2"*	13-14-15-16-17-19-22 mm	-
1	62606	Carraca 1/2" / *Ratchet 1/2"*	-	
2	61453, 61458	Alargadera 1/2" / *Extension 1/2"*	3"-10"	
1	61437	Articulación universal 1/2" / *Universal joint 1/2"*	-	
7	67640, 67641, 67660, 67662, 67663, 67664, 67666	Llaves de vaso serie larga 1/4" / *Long socket wrenches 1/4"*	4-4,5-5-6-7-8-10 mm	-
1	62603	Carraca 1/4" / *Ratchet 1/4"*	-	

3/8"

10 PCS.- 3/8"

COD.	AF inch	PCS.			Kg
58700	3/8	10	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	1,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
8	67620, 67621, 67622, 67623, 67624,67625, 67626, 67627	Llaves de vaso / *Socket wrenches*	1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 1/2" - 9/16"	-
1	62604	Carraca / *Ratchet*	-	
	61447	Alargadera / *Extension*	6"	



12 PCS.- 3/8"

COD.	AF inch	PCS.			Kg
58706	3/8	12	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE LONGUE	51071	1,2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
8	57171, 57172, 57173, 57174, 57175, 57176, 57177, 57178	Llaves de vaso Torx® / *Torx® Socket wrenches*	E8-E10-E11-E12-E14-E16-E18-E20	-
1	62604	Carraca / *Ratchet*	-	
	61459	Alargadera / *Extension*	3"	
	61436	Articulación universal / *Universal joint*	-	
	61439	Mango en T / *T handle*		



COD.	AF inch	PCS.			Kg
58703	3/8	12	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51079	1,7

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
8	67620, 67621, 67622, 67623, 67624,67625, 67626, 67627	Llaves de vaso / *Socket wrenches*	1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 1/2"- 9/16"	-
1	62604	Carraca / *Ratchet*	-	
2	61447, 61450	Alargadera / *Extension*	6" - 10"	
1	61439	Mango en T / *T handle*	-	



COD.	AF inch	PCS.			Kg
55595	3/8	12	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	1,2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	67541, 67542, 67543, 67545, 67546, 67547, 67548, 67549, 67552, 67554	Llaves de vaso / *Socket wrenches*	6-7-8-10-11-12-13-14-17-19 mm	-
1	62604	Carraca / *Ratchet*	-	
	61447	Alargadera / *Extension*	6"	

3/8"

13 PCS.- 3/8"



COD.	AF inch	PCS.		Kg
61342	3/8	13	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	0,9

	Composición / *Composition* / Composition	Descripción / *Description* / Description	PCS.		
12	60440, 60441, 60442, 60443, 60444, 60445, 60446, 60447, 60448, 60449, 60450, 60451	Llaves de vaso / *Socket wrenches*	5/16"-11/32"-3/8"-7/16"-1/2"-9/16"-19/32"-5/8"-11/16"-3/4"-13/16"-7/8"	○	-
1	62604	Carraca / *Ratchet*	-		

16 PCS.- 3/8"



COD.	AF inch	PCS.			Kg
58702	3/8	16	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	51053	3,1

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
11	67751,67752, 67753, 67754, 67755, 67756, 67757, 67758, 67759, 67760, 67761	Llaves de vaso serie larga / *Long socket wrenches*	5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 19/32" - 5/8" - 11/16" - 3/4" - 13/16" - 7/8"	○	-
1	62604	Carraca / *Ratchet*	-		
2	61447, 61450	Alargadera / *Extension*	6" - 10"		
1	61436	Articulación universal / *Universal joint*	-		
	61439	Mango en T / *T handle*			

COD.	AF inch	PCS.			Kg
58701	3/8	16	SERIE LARGA / *LONG PATTERN* / SERIE LONGUE	51053	3,1

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
11	67726, 67728, 67729, 67730, 67731, 67732, 67733, 67735, 67737, 67739, 67740	Llaves de vaso serie larga / *Long socket wrenches*	8-10-11-12-13-14-15-17-19-21-22 mm	○	-
1	62604	Carraca / *Ratchet*	-		
2	61447, 61450	Alargadera / *Extension*	6"- 10"		
1	61436	Articulación universal / *Universal joint*	-		
	61439	Mango en T / *T handle*			

COD.	AF inch	PCS.			Kg
61959	3/8	16	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51079	1,9

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
11	61343, 61345, 61346, 61347, 61348, 61349, 61350, 61352, 61354, 61356, 61357	Llaves de vaso / *Socket wrenches*	8-10-11-12-13-14-15-17-19-21-22 mm	○	-
1	62604	Carraca / *Ratchet*	-		
2	61447, 61450	Alargadera / *Extension*	6"-10"		
1	61439	Mango en T / *T Handle*	-		
	61436	Articulación universal / *Universal joint*			

3/8"

COD.	AF inch	PCS.			Kg
61962	3/8	16	SERIE ESTÁNDAR / *STANDAR PATTERN* / SÉRIE STANDARD	51079	1,9

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	60440, 60442, 60443, 60444, 60445, 60446, 60447, 60448, 60449, 60450, 60451	Llaves de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-9/16"-19/32" - 5/8"-11/16"-3/4"-13/16"-7/8"	-
1	62604	Carraca / *Ratchet*	-	
2	61447, 61450	Alargadera / *Extension*	6"-10"	
1	61439	Mango en T / *T Handle*	-	
	61436	Articulación universal / *Universal joint*		

COD.	AF inch	PCS.		Kg
61341	3/8	16	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	1,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	61343, 61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354, 61355, 61356, 61357	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15-16-17-1-19-20-21-22 mm	-
1	62604	Carraca / *Ratchet*	-	



19 PCS.- 3/8"

COD.	AF inch	PCS.			Kg
58708	3/8	19	SERIE ESTÁNDAR Y CROWFOOT / *STANDARD AND CROWFOOT PATTERN* / SÉRIE STANDARD ET CROWFOOT	51079	2,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
8	60440, 60441, 60442, 60443, 60444, 60445, 60446, 60447	Llaves de vaso / *Socket wrenches*	5/16" - 11/32" - 3/8" - 7/16" - 1/2" - 9/16" - 19/32" - 5/8"	–
7	55724, 55725, 55726, 55727, 55728, 55729, 55730	Llaves Fijas Crowfoot / *Open end Crowfoot wrench*	3/8" - 7/16" - 1/2" - 9/16"- 5/8" - 11/16" - 3/4"	-
1	62604	Carraca / *Ratchet*	-	
2	61459, 61449	Alargadera / *Extension*	3" - 8"	
1	61436	Articulación universal / *Universal joint*	-	



COD.	AF inch	PCS.			Kg
55596	3/8	19	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	1,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
14	60439, 60440, 60441, 60442, 60443, 60444, 60445, 60446, 60447, 60448, 60449, 60450, 60451, 60452	Llaves de vaso / *Socket wrenches*	1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"	-
1	62604	Carraca / *Ratchet*	-	
2	61447, 61450	Alargadera / *Extension*	6"-10"	
1	61439	Mango en T / *T Handle*	-	
	61436	Articulación universal / *Universal joint*		



3/8"

21 PCS.- 3/8"

COD.	AF inch	PCS.			Kg
55593	3/8	21	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51071	1,7



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
19	67539, 67540, 61343, 61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354, 61355, 61356, 61357, 67560, 67561	Llaves de vaso / *Socket wrenches*	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24 mm	-
1	62604	Carraca / *Ratchet*	-	
	61447	Alargadera / *Extension*	6"	

25 PCS.- 3/8"

COD.	AF inch	PCS.			Kg
58948	3/8"	25	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	2,9



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
19	67539, 67540, 61343, 61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354, 61355, 61356, 61357	Llaves de vaso / *Socket wrench*	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24 mm	-
1	62604	Carraca / *Ratchet*	-	
3	62732, 61447, 61449	Alargadera / *Extension*	2" - 6" - 8" (200 mm)	
1	61436	Articulación universal / *Universal joint*	-	
	61439	Mango corredizo en T / *Sliding T handle*		

COD.	AF inch	PCS.			Kg
58707	3/8	25	SERIE ESTÁNDAR Y CROWFOOT / *STANDARD AND CROWFOOT PATTERN* / SÉRIE STANDARD ET CROWFOOT	51053	2,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
12	61343, 61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15-16-17-18-19 mm	-
9	55710, 55711, 55712, 55713, 55714, 55715, 55716, 55717, 55718	Llaves Fijas Crowfoot / *Open end Crowfoot wrench*	10-11-12-13-14-15-16-17-19 mm	
1	62604	Carraca / *Ratchet*	-	
2	61459, 61449	Alargadera / *Extension*	3" - 8"	
1	61436	Articulación universal / *Universal joint*	-	

26 PCS.- 3/8"

COD.	AF inch	PCS.			Kg
55594	3/8	26	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	3,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
19	67541, 67542, 67543, 67544, 67545, 67546, 67547, 67548, 67549, 67550, 67551, 67552, 67553, 67554, 67555, 67556, 67557, 67558, 67559	Llaves de vaso / *Socket wrenches*	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24 mm	-
1	62604	Carraca / *Ratchet*	-	
2	61447, 61450	Alargadera / *Extension*	6"-10"	
1	61439	Mango en T / *T Handle*	-	
	61436	Articulación universal / *Universal joint*		
2	61460, 61461	Llaves de vaso para bujías / *Spark plug socket*	16 mm-21 mm	

3/8"

30 PCS.- 3/8"

COD.	AF inch	PCS.			Kg
58705	3/8	30	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	2,4



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1	62604	Carrraca / *Ratchet*	-	
	61459	Alargadera / *Extension*	3"	
10	66771, 55701, 66772, 66773, 55702, 66774, 66775, 66776, 55703, 66777	Punta hexagonal con vaso / *Hex bit socket*	3-3,5-4-5-5,5-6-7-8-9,5-10 mm	
3	66760, 66761, 66762	Punta plana con vaso / *Flat bit socket*	5,5 x 1 - 6,5 x 1,2 - 8 x 1,2	
9	66788, 66789, 66790, 66791, 66792, 66793, 66794, 66795, 66796	Punta Torx® con vaso / *Torx® bit socket*	T10-T15-T20-T25-T27-T30-T40-T45-T50	
3	66765, 66766, 66767	Punta Phillips® con vaso / *Phillips® bit socket*	PH1-PH2-PH3	
	66768, 66769, 66770	Punta Pozidriv con vaso / *Pozidriv bit socket*	PZ1 - PZ2 - PZ3	

42 PCS.- 3/8"

COD.	AF inch	PCS.			Kg
61792	3/8	42	SERIE ESTÁNDAR Y LARGA / *STANDARD AND LONG PATTERN* / SÉRIE STANDARD ET LONGUE	50974	5,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
11	61344, 61345, 61346, 61347, 61348, 61349, 61350, 61351, 61352, 61353, 61354	Llaves de vaso / *Socket wrenches*	9-10-11-12-13-14-15-16-17-18-19 mm		
7	60442, 60443, 60444, 60445, 60447, 60448, 60449		3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"	○	-
11	67727, 67728, 67729, 67730, 67731, 67732, 67733, 67734, 67735, 67736, 67737	Llaves de vaso serie larga / *Long socket wrenches*	9-10-11-12-13-14-15-16-17-18-19 mm		
7	67752, 67753, 67754, 67755, 67757, 67758, 67759		3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"		
1	62604	Carraca / *Ratchet*	-		
3	61459, 61447, 61449	Alargadera / *Extension*	3"-6"-8"		
1	61436	Articulación universal / *Universal joint*	-		
	65875	Mango articulado / *Hinged handle*			

1/2"

11 PCS.- 1/2"

COD.	AF inch	PCS.			Kg
58714	1/2	11	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	51053	2,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
9	67805, 67806, 67807, 67808, 67809, 67810, 67811, 67812, 67813	Llaves de vaso serie larga / *Long socket wrenches*	3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"	○	-
1	62606	Carraca / *Ratchet*	-		
	61455	Alargadera / *Extension*	5"		

1/2"

COD.	AF inch	PCS.			Kg
58720	1/2	11	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51079	1,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
9	57179, 57180, 57181, 57182, 57183, 57184, 57185, 57186, 57187	Llaves de vaso Torx® / *Torx® Socket wrenches*	E10-E11-E12-E14-E16-E18-E20-E22-E24	-
1	62606	Carraca / *Ratchet*	-	
	61455	Alargadera / *Extension*	5"	

12 PCS.- 1/2"



COD.	AF inch	PCS.			Kg
58711	1/2	12	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51079	1,7

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	61382, 61383,61384,61385, 61386, 61387, 61388, 61389, 61391, 61394	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-17-19-22 mm	-
1	62606	Carraca / *Ratchet*	-	
	61455	Alargadera / *Extension*	5"	

COD.	AF inch	PCS.			Kg
58713	1/2	12	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	51053	2,6

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67789, 67792	Llaves de vaso serie larga / *Long socket wrenches*	10-11-12-13-14-15-16-17-19-22 mm	-
1	62606	Carraca / *Ratchet*	-	
	61455	Alargadera / *Extension*	5"	

COD.	AF inch	PCS.			Kg
58712	1/2	12	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51079	1,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60490, 60491	Llaves de vaso / *Socket wrenches*	3/8" - 7/16" - 1/2"- 9/16"-19/32"-5/8"-11/16"-3/4"-13/16"-7/8"	-
1	62606	Carraca / *Ratchet*	-	
	61455	Alargadera / *Extension*	5"	

16 PCS.- 1/2"



COD.	AF inch	PCS.			Kg
58723	1/2	16	SERIE ESTÁNDAR Y CROWFOOT / *STANDARD AND CROWFOOT PATTERN* / SÉRIE STANDARD ET CROWFOOT	51053	2,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
8	60487, 60488, 60489, 60490, 60491, 60492, 60495, 60497	Llaves de vaso / *Socket wrenches*	11/16"-3/4"-25/32"-13/16"-7/8"-15/16"-1.1/16"-1.3/16"	-
4	57251, 57253, 57255, 57257	Llave fija Crowfoot / *Open end Crowfoot wrench*	15/16"-1.1/16"-1.3/16"-1.5/16"	
1	62606	Carraca / *Ratchet*	-	
2	61453, 61458	Alargadera / *Extension*	3"-10"	
1	61437	Articulación universal / *Universal joint*	-	

1/2"

17 PCS.- 1/2"



COD.	AF inch	PCS.		Kg
61796	1/2	17	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61812, 61814, 61816, 61819, 61822, 61823	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-22-24-27-30-32 mm	-
1	62606	Carraca / *Ratchet*	-	

COD.	AF inch	PCS.		Kg
61798	1/2	17	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	60460, 60461, 60462, 60463, 60464, 60466, 60467, 60468, 60470, 60471, 60472, 60474, 60475, 60476, 60477, 60478	Llaves de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	-
1	62606	Carraca / *Ratchet*	-	

COD.	AF inch	PCS.		Kg
61797	1/2	17	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61394, 61396, 61399, 61402, 61403	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-22-24-27-30-32 mm	-
1	62606	Carraca / *Ratchet*	-	

COD.	AF inch	PCS.		Kg
61799	1/2	17	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	60480, 60481, 60482, 60483, 60484, 60486, 60487, 60488, 60490, 60491, 60492, 60494, 60495, 60496, 60497, 60498	Llaves de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"-1.1/16"-1.8/8"-1.3/16"-1.1/4"	-
1	62606	Carraca / *Ratchet*	-	

18 PCS.- 1/2"



COD.	AF inch	PCS.			Kg
58722	1/2	18	SERIE ESTÁNDAR Y CROWFOOT / *STANDARD AND CROWFOOT PATTERN* / SÉRIE STANDARD ET CROWFOOT	51053	4,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
9	61389, 61390, 61391, 61392, 61393, 61394, 61395, 61399, 61402	Llaves de vaso / *Socket wrenches*	17-18-19-20-21-22-23-27-30 mm	-
5	57226, 57228, 57231, 57234, 57236	Llave fija Crowfoot / *Open end Crowfoot wrench*	22-24-27-30-32 mm	
1	62606	Carraca / *Ratchet*	-	
2	61453, 61458	Alargadera / *Extension*	3"-10"	
1	61437	Articulación universal / *Universal joint*	-	

1/2"

COD.	AF inch	PCS.		Kg
58715	1/2	18	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	3,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
14	60460, 60461, 60462, 60463, 60464, 60465, 60466, 60459, 60467, 60468, 60469, 60470, 60471, 60472	Llaves de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-9/16"-19/32"-5/8"-21/32"-11/16"-3/4"-25/32"-13/16"-7/8"-15/16"
1	62606	Carraca / *Ratchet*	-
2	61455, 61458	Alargadera / *Extension*	5"-10"
1	61437	Articulación universal / *Universal joint*	-

19 PCS.- 1/2"



COD.	AF inch	PCS.		Kg
55668	1/2	19	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	3,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
14	55795, 55796, 55797, 55798, 55799, 55801, 55803, 55804, 55805, 55806, 55807, 55808, 55809, 55810	Spline	M12, M14, M15, M16, M18, M20, M22, M24, M25, M26, M28, M30, M34, M38
1	62606	Carraca / *Ratchet*	-
2	61455, 61458	Alargadera / *Extension*	5"-10"
1	61440	Mango en T / *T Handle*	-
	61437	Articulación universal / *Universal joint*	

20 PCS.- 1/2"



COD.	AF inch	PCS.		Kg
55599	1/2	20	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	3,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	61800, 61801, 61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61813, 61814, 61815, 61816	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24 mm
1	62606	Carraca / *Ratchet*	-
2	61455, 61458	Alargadera / *Extension*	5"-10"
1	61437	Articulación universal / *Universal joint*	-



COD.	AF inch	PCS.		Kg
55600	1/2	20	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	3,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	61380, 61381,61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61393, 61394, 61395, 61396	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24 mm
1	62606	Carraca / *Ratchet*	-
2	61455, 61458	Alargadera / *Extension*	5"-10"
1	61437	Articulación universal / *Universal joint*	-

1/2"

21 PCS.- 1/2"

COD.	AF inch	PCS.			Kg
55601	1/2	21	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	4,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
16	61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61813, 61814, 61816, 61819, 61822, 61823	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32 mm	○	-
1	62606	Carraca / *Ratchet*	-		
2	61455, 61458	Alargadera / *Extension*	5"-10"		
1	61440	Mango en T / *T Handle*	-		
	61437	Articulación universal / *Universal joint*			

25 PCS.- 1/2"

COD.	AF inch	PCS.			Kg
61960	1/2	25	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	4,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
20	61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61398, 61399, 61400, 61402, 61403	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm	○	-
1	62606	Carraca / *Ratchet*	-		
2	61455, 61458	Alargadera / *Extension*	5"-10"		
1	61440	Mango en T / *T Handle*	-		
	61437	Articulación universal / *Universal joint*			

COD.	AF inch	PCS.			Kg
61963	1/2	25	SÉRIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	4,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
20	60480, 60481, 60482, 60483, 60484, 60485, 60486, 60479, 60487, 60488, 60489, 60490, 60491, 60492, 60493, 60494, 60495, 60496, 60497, 60498	Llaves de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-9/16"-19/32"-5/8"-21/32"-11/16"-3/4"-25/32"-13/16"-7/8"-15/16"-31/32"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	○	-
1	62606	Carraca / *Ratchet*	-		
2	61455, 61458	Alargadera / *Extension*	5"-10"		
1	61440	Mango en T / *T Handle*	-		
	61437	Articulación universal / *Universal joint*			

COD.	AF inch	PCS.			Kg
55602	1/2	25	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51053	4,0



1/2"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
21	61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61397, 61398, 61399, 61400, 61402, 61403	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm		-
1	62606	Carraca / *Ratchet*	-		
	61455	Alargadera / *Extension*	5"		
	61440	Mango en T / *T Handle*	-		
	61437	Articulación universal / *Universal joint*			

26 PCS.- 1/2"



COD.	AF inch	PCS.			Kg
58716	1/2	26	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	50974	5,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
20	60460, 60461, 60462, 60463, 60464, 60465, 60466, 60459, 60467, 60468, 60469, 60470, 60471, 60472, 60473, 60474, 60475, 60476, 60477, 60478	Llaves de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-9/16"-19/32"-5/8"-21/32"-11/16"-3/4"-25/32"-13/16"-7/8"-15/16"-31/32"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"		-
1	62606	Carraca / *Ratchet*	-		
2	61455, 61458	Alargadera / *Extension*	5"-10"		
1	61440	Mango en T / *T handle*	-		
	61437	Articulación universal / *Universal joint*			
	61434	Berbiquí / *Speeder Handle*			

28 PCS.- 1/2"



COD.	AF inch	PCS.			Kg
55597	1/2	28	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	50974	6,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
22	61800, 61801, 61802, 61803, 61804, 61805, 61806, 61807, 61808, 61809, 61810, 61811, 61813, 61814, 61815, 61816, 61818, 61819, 61820, 61821, 61822, 61823	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24-26-27-28-29-30-32 mm		-
1	62606	Carraca / *Ratchet*	-		
2	61455, 61458	Alargadera / *Extension*	5"-10"		
1	61440	Mango en T / *T Handle*	-		
	61437	Articulación universal / *Universal joint*			
	61434	Berbiquí / *Speeder handle*			



COD.	AF inch	PCS.			Kg
55598	1/2	28	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	50974	6,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
22	61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61393, 61394, 61395, 61396, 61398, 61399, 61400, 61401, 61402, 61403	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24-26-27-28-29-30-32 mm		-
1	62606	Carraca / *Ratchet*	-		
2	61455, 61458	Alargadera / *Extension*	5"-10"		
1	61440	Mango en T / *T Handle*	-		
	61437	Articulación universal / *Universal joint*			
	61434	Berbiquí / *Speeder handle*			

1/2"

30 PCS.- 1/2"



COD.	AF inch	PCS.		Kg
58721	1/2	30	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	5,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1	62606	Carraca / *Ratchet*	-	
	61455	Alargadera / *Extension*	5"	
10	66807, 66808, 66809, 66810, 66811, 66812, 66813, 55706, 66814, 55708	Punta hexagonal con vaso / *Hex bit socket*	4-5-6-7-8-10-12-13-14-17 mm	
	55704, 55705, 55707		7/32"-3/8"-3/4"	
3	66801, 66802, 66803	Punta plana con vaso / *Flat bit socket*	8 x 1,2 - 10 x 1,6 - 12 x 2	
	66804, 66805, 66806	Punta Phillips® con vaso / *Phillips® bit socket*	PH2-PH3-PH4	
9	66830, 66831, 66832, 66833, 66834, 66835, 66836, 66837, 56895	Punta Torx® con vaso / *Torx® bit socket*	T20-T25-T27-T30-T40-T45-T50-T55-T60	

35 PCS.- 1/2"



COD.	AF inch	PCS.			Kg
55603	1/2	35	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	50974	6,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
11	61802, 61803, 61805, 61806, 61809, 61811, 61814, 61816, 61819, 61822, 61823	Llaves de vaso / *Socket wrenches*	10-11-13-14-17-19-22-24-27-30-32 mm		
19	60460, 60461, 60459, 60462, 60463, 60464, 60465, 60466, 60467, 60468, 60469, 60470, 60471, 60472, 60474, 60475, 60476, 60477, 60478		5/16"-3/8"-7/16"-1/2"-9/16"-19/32"-5/8"-21/32"-11/16"-3/4"-25/32"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"		-
1	62606	Carraca / *Ratchet*	-		
2	61455, 61458	Alargadera / *Extension*	5"-10"		
1	61437	Articulación universal / *Universal joint*	-		
	61434	Berbiquí / *Speeder handle*			

41 PCS.- 1/2"



COD.	AF inch	PCS.			Kg
61793	1/2	41	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	50974	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
18	61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396, 61399, 61402, 61403	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32 mm		
15	60481, 60482, 60483, 60484, 60486, 60487, 60488, 60490, 60491, 60492, 60494, 60495, 60496, 60497, 60498		3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"		-
1	62606	Carraca / *Ratchet*	-		
2	61455, 61458	Alargadera / *Extension*	5"-10"		
1	61440	Mango en T / *T Handle*	-		
	61437	Articulación universal / *Universal joint*			
	61441	Mango articulado / *Hinged handle*			
2	61462, 61463	Llaves de vaso para bujías / *Spark plug socket*	16 mm-21 mm		

1/2"

33 PCS.- 1/2"

COD.	AF inch	PCS.			Kg
65074	1/2	33	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	50974	6,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	61382, 61383, 61384, 61385, 61386, 61387, 61388, 61389, 61390, 61391, 61392, 61393, 61394, 61395, 61396	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24 mm	-
10	67780, 67781, 67782, 67783, 67784, 67785, 67786, 67787, 67788, 67789	Llaves de vaso serie larga / *Long socket wrenches*	10-11-12-13-14-15-16-17-18-19 mm	
1	62606	Carraca / *Ratchet*	-	
3	61453, 61455, 61458	Alargadera / *Extension*	3"-5"-10"	
1	61441	Mango articulado / *Hinged handle*	-	
	61437	Articulación universal / *Universal joint*		
2	61462, 61463	Llaves de vaso para bujías / *Spark plug socket*	16 mm-21 mm	

COD.	AF inch	PCS.			Kg
65075	1/2	33	SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE	50974	7,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	60481, 60482, 60483, 60484, 60486, 60487, 60488, 60490, 60491, 60492, 60494, 60495, 60496, 60497, 60498	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	-
10	67805, 67806, 67807, 67808, 67809, 67810, 67811, 67812, 67813, 67814	Llaves de vaso serie larga / *Long socket wrenches*	3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"	
1	62606	Carraca / *Ratchet*	-	
3	61453, 61455, 61458	Alargadera / *Extension*	3"-5"-10"	
1	61441	Mango articulado / *Hinged handle*	-	
	61437	Articulación universal / *Universal joint*		
2	61462, 61463	Llaves de vaso para bujías / *Spark plug socket*	5/8"-13/16"	

1/2" - 3/4"

7 PCS.- 1/2" - 3/4"

COD.	AF inch	PCS.		Kg
58710	1/2 - 3/4	7	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	1,6



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1	62606	Carraca 1/2" / *Ratchet 1/2"*	-	
	61440	Mango en T 1/2" / *T handle 1/2"*	-	
	65882	Adaptador / *Adapter*	1/2" - 3/4"	
	53170	Punta hexagonal con vaso 3/4" / *Hex bit socket 3/4"*	22 mm	
2	66814, 55708	Punta hexagonal con vaso 1/2"/ *Hex bit socket 1/2"*	11, 17 mm	
1	55696		3/4"	

3/4"

14 PCS.- 3/4"



COD.	AF inch	PCS.			Kg
61861	3/4	14	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51054	12

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	60503, 60505, 60508, 60511, 60512, 60516, 60517, 60519, 60521, 60522	Llaves de vaso / *Socket wrenches*	22-24-27-30-32-36-38-41-46-50 mm	-
1	61859	Carraca / *Ratchet*	-	
2	61865, 61866	Alargadera / *Extension*	4"-8"	
1	61864	Mango en T / *T Handle*	-	

COD.	AF inch	PCS.			Kg
61862	3/4	14	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	51054	12

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	60527, 60528, 60529, 60531, 60532, 60535, 60536, 60537, 60539, 60541	Llaves de vaso / *Socket wrenches*	7/8"-15/16"-1"-1.1/8"-1.1/4"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	-
1	61859	Carraca / *Ratchet*	-	
2	61865, 61866	Alargadera / *Extension*	4"-8"	
1	61864	Mango en T / *T Handle*	-	

1"

14 PCS.- 1"



COD.	AF inch	PCS.		Kg
65041	1	14	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	27

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	65001, 65002, 65003, 65004, 65006, 65008, 65010, 65012, 65014, 65016	Llaves de vaso / *Socket wrenches*	36-41-46-50-55-60-65-70-75-80 mm	-
1	65035	Carraca / *Ratchet*	-	
2	65037, 65038	Alargadera / *Extension*	8"-16"	
1	65036	Mango en T / *T Handle*	-	

COD.	AF inch	PCS.		Kg
65042	1	14	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	27

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	65023, 65024, 65025, 65027, 65028, 65029, 65030, 65031, 65032, 65034	Llaves de vaso / *Socket wrenches*	1.13/16"-1.7/8"-2"-2.3/16"-2.1/4"-2.3/8"-2.1/2"-2.5/8"-2.3/4"-3.1/8"	-
1	65035	Carraca / *Ratchet*	-	
2	65037, 65038	Alargadera / *Extension*	8"-16"	
1	65036	Mango en T / *T Handle*	-	

RECAMBIO MECANISMO INTERIOR LLAVE DE CARRACA / *INSIDE MECHANISM REPAIR SET FOR RATCHET HANDLE* / REMPLACEMENT MÉCANISME INTÉRIEUR DE LA CLÉ À CLIQUET / *INNENMECHANISMUS-REPARATURSATZ FÜR RATSCHENGRIFF* / RICAMBIO MECCANISMO INTERNO CHIAVE A CRICCHETTO / *SUBSTITUIÇÃO MECANISMO INTERIOR CHAVE DE ROQUETE* / ЗАПАСНОЙ ВНУТРЕННИЙ МЕХАНИЗМ КЛЮЧА С ТРЕЩОТКОЙ

COD.	Válido para / *Valid for* / Valable pour
89520	57414, 62603
89521	57411
89522	57415, 62604
89523	57412
89524	61430
89525	57416, 62606
89526	57410
89527	57413



COD.	Válido para / *Valid for* / Valable pour
89528	61859



COD.	Válido para / *Valid for* / Valable pour
89529	65035



EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

1/2"

233 PCS.- 1/2"



COD.	AF inch	PCS.		Kg
65296	1/2	233	SERIE ESTÁNDAR / *STANDARD PATTERN* / SERIE ESTÁNDAR	34

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
96	61800, 61801, 61802, 61803, 61804, 61805, 61806, 61807	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15 mm	○	-
22	61808, 61809		16-17 mm		
20	61810, 61811		18-19 mm		
18	61812, 61813		20-21 mm		
24	61814, 61815, 61816		22-23-24 mm		
35	61817, 61818, 61819, 61820, 61821		25-26-27-28-29 mm		
12	61822, 61823		30-32 mm		
6	61430	Carraca / *Ratchet*	-		

COD.	AF inch	PCS.		Kg
65297	1/2	233	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	34

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
96	61380, 61381, 61382, 61383, 61384, 61385, 61386, 61387	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15 mm	○	-
22	61388, 61389		16-17 mm		
20	61390, 61391		18-19 mm		
18	61392, 61393		20-21 mm		
24	61394, 61395, 61391		22-23-24 mm		
35	61397, 61398, 61399, 61400, 61401		25-26-27-28-29 mm		
12	61402, 61403		30-32 mm		
6	62606	Carraca / *Ratchet*	-		

236 PCS.- 1/2"



COD.	AF inch	PCS.		Kg
65298	1/2	236	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	33

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
48	60460, 60461	Llaves de vaso / *Socket wrenches*	5/16"-3/8"	○	-
24	60462, 60463		7/16"-1/2"		
	60464		9/16"		
22	60466		5/8"		
20	60467		11/16"		
19	60468		3/4"		
9	60470		13/16"		
16	60471		7/8"		
8	60472		15/16"		
14	60474		1"		
	60475, 60476		1.1/16"-1.1/8"		
12	60477, 60478		1.3/16"-1.1/4"		
6	61430	Carraca / *Ratchet*	-		

COD.	AF inch	PCS.		Kg
65299	1/2	236	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	32

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description			
48	60480, 60481	Llaves de vaso / *Socket wrenches*	5/16"-3/8"	○	-
	60482, 60483, 60484, 60485		7/16"-1/2"-9/16"-19/32"		
22	60486, 60479		5/8"-21/32"		
20	60487		11/16"		
10	60488		3/4"		
18	60489, 60490		25/32"-13/16"		
16	60491		7/8"		
8	60492		15/16"		
28	60493, 60494, 60495, 60496		31/32"-1"-1.1/16"-1.1/8"		
12	60497, 60498		1.3/16"-1.1/4"		
6	62606	Carraca / *Ratchet*	-		

3/4"

86 PCS.- 3/4"



COD.	AF inch	PCS.		Kg
65300	3/4	86	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	38

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
35	60501, 60503, 60505, 60507, 60508	Llaves de vaso / *Socket wrenches*	19-22-24-26-27 mm	○
18	60510, 60511, 60512		29-30-32 mm	
25	60514, 60515, 60516, 60517, 60519		34-35-36-38-41 mm	
8	60521, 60522		46-50 mm	

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3/4"

86 PCS.- 3/4"

COD.	AF inch	PCS.		Kg
65301	3/4	86	SERIE ESTÁNDAR / *STANDARD PATTERN* / SÉRIE STANDARD	39

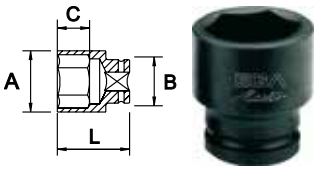
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
14	60527	Llaves de vaso / *Socket wrenches*	7/8"	○
21	60528, 60529, 60530		15/16"-1"-1.1/16"	
6	60531		1.1/8"	
12	60532		1-1/4"	
25	60533, 60534, 60535, 60536, 60537		1.5/16"-1.3/8"-1.7/16"-1.1/2"-1.5/8"	
8	60539, 60541		1.13/16"-2"	



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- 3/8"
- 6 PT.- 3/8"
- STANDARD
- MM



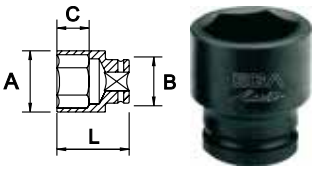
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
60590	7	30	12	19	14	6	41	6	●
60591	8		13						
60592	9		14				43		
60593	10		16						
60594	11		17				44		
60595	12		18						
60596	13		20	20	15				
60597	14		21	21	16		60		
60598	15		22	22					
60599	16		23	23					
60600	17		24	24					
60601	18		26	26					
60602	19		27	27			70		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

- INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
65205	5/16	30	13	19	14	6	43	6	●
65206	3/8		15						
65207	7/16		17				44		
65208	1/2		19		15				
65209	9/16		21	21	16		60		
65210	5/8		23	23					
65211	11/16		25	25					
65212	3/4		27	27			70		
68685	13/16		30	30			100		
68686	7/8		32	32			125		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BE SAFE...BE EFFICIENT

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to the Management Quality

3/8"

PUNTAS ATORNILLADORAS DE IMPACTO CON VASO / *IMPACT SOCKET BITS* / **EMBOUTS DE VISSAGE CHOCS À DOUILLE** / *STECKSCHLÜSSEL BITS* / **INSERTI A BUSSOLA IMPACT** / *PONTAS APARAFUSADORAS DE IMPACTO COM CHAVE DE CAIXA* / **ГОЛОВКИ-БИТЫ УДАРНЫЕ**

HEXAGONAL / *HEXAGONAL* / **HEXAGONALE** / *HEXAGONAL* / **ESAGONALE** / *HEXAGONAL* / **ШЕСТИГРАННАЯ**

MM



COD.	mm	L (mm)	g		
65920	3	78	45	10	●
65921	4		50		
65922	5				
65923	6		55		
65924	8		65		
65925	10		85		
65926	12		100		
65927	14		120		

INCH.



COD.	inch	L (mm)	g		
53172	3/16	60	50	10	●
53173	7/32				
53174	1/4		70		
53175	9/32		75		
53176	5/16		80		
53177	3/8		90		
53178	7/16				
53179	1/2		100		
53180	9/16		115		
53181	5/8		120		

TORX®*



COD.		L (mm)	g		
65928	T-25	60	40	10	●
65929	T-27				
65930	T-30		45		
65931	T-40				
65932	T-45		50		
65933	T-50		55		
65934	T-55		65		
65935	T-60		75		

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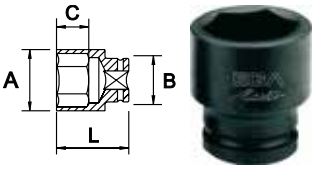
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1/2"

6 PT. - 1/2"

STANDARD

MM



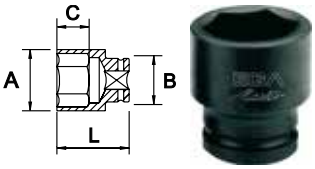
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
60658	8								
57987	9		17				65		
60603	10								
60604	11		19		15				
60605	12		20	24					
60606	13		22				80		
60607	14								
60608	15		24						
60609	16				16				
60610	17		26	26			95		
60611	18	38	28	28					
60612	19						110		
60639	20		29	29	18				
60613	21		30	30		6	120	6	●
60614	22		32	32			140		
58450	23		34	34	20		160		
60615	24								
58451	25		36	36			190		
60616	27		38				185		
57988	28		40	35	21		190		
60617	29						200		
60618	30	43	42	42	20		210		
60619	32	38	44	35					
57989	33	48	46,5	30	23		236		
57990	34		46,8				248		
60712	36	50	50	36			350		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
65213	3/8		16						
65214	7/16		18	23	14		85		
65215	1/2		20						
65216	9/16		22						
65217	5/8		24	24	15				
65218	11/16		26	26	16		125		
65219	3/4		28	28					
65220	13/16	38	30	30	19				
65221	7/8		32	32	20		130		
65222	15/16		34	34		6	135	6	●
65223	1		36				145		
65224	1.1/16		38				170		
65225	1.1/8		40	35	21		190		
57985	1.3/16		42						
65226	1.1/4		44				200		
58447	1.5/16	50	47		28		330		
58448	1.3/8		49	30			350		
58457	1.7/16	55	50		30		410		
58458	1.1/2		52	40			490		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

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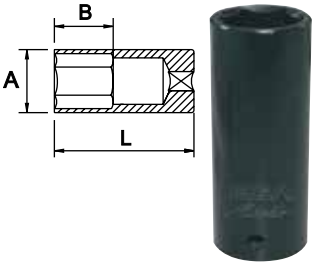
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1/2"

6 PT. - 1/2"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM



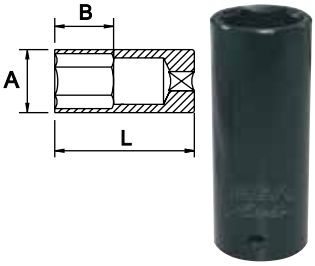
COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
57994	9		16	24		142		
60660	10		17					
60661	11		18	27				
60662	12		19					
60663	13		20					
60664	14		22	37		190		
58452	15		24	34				
60665	16							
60666	17		26					
60667	18		27					
60668	19	80	28		6		6	●
57995	20		30			260		
60669	21		31					
60670	22		32	37		310		
60671	23		33			320		
60672	24		34			340		
60673	27		38			400		
60674	29		40			420		
60675	30		42			430		
60676	32		44			450		
57996	34		47	38		503		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
55630	3/8		18	24				
55631	7/16							
55632	1/2		20			190		
55633	9/16		22	29				
55634	5/8		24					
55635	11/16		26					
55636	3/4		28			220		
55637	13/16		30			250		
55638	7/8	80	32		6	290	6	●
55639	15/16		34			320		
55640	1		36	36				
55641	1.1/16		38			370		
55642	1.1/8		40					
57992	1.3/16		42			386		
55643	1.1/4		44			420		
58470	1.5/16		46			450		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

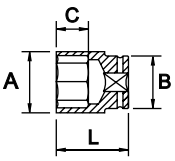
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1/2"

8 PT.- 1/2"

STANDARD

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
56350	3/8	38	19	24	6	8	70	6	●
56351	7/16		21		8		75		
56352	1/2		24		9		80		
56353	9/16		26	26	11		95		
56354	5/8		28	28			110		
56355	11/16		30	30			125		
56356	3/4	40	34	34	13		180		
56357	13/16		36	36	15		195		
56358	7/8		38	38			220		
56359	15/16	45	42		18		285		
56360	1		44				300		
56361	1.1/16	50	46,5	46,5	19		430		
56362	1.1/8		49	49			605		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

PUNTAS ATORNILLADORAS DE IMPACTO CON VASO / *IMPACT SOCKET BITS* / EMBOUTS DE VISSAGE CHOCS À DOUILLE / *STECKSCHLÜSSEL BITS* / INSERTI A BUSSOLA IMPACT / *PONTAS APARAFUSADORAS DE IMPACTO COM CHAVE DE CAIXA* / ГОЛОВКИ-БИТЫ УДАРНЫЕ

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM

COD.	mm	L (mm)	g		
65936	4	78	80	10	●
65937	5		85		
65938	6				
53183	7		95		
65939	8				
53184	9		105		
65940	10		110		
65941	11		120		
65942	12		125		
53185	13		135		
65943	14		140		
53186	15				
65944	17		170		
53187	18				
65945	19		200		



INCH.

COD.	inch	L (mm)	g		
53188	3/16	78	90	10	●
53189	7/32				
53190	1/4				
53191	9/32		95		
53192	5/16		100		



1/2"

COD.	inch	L (mm)	g		
53193	3/8	78	120	10	●
53194	7/16		130		
53195	1/2				
53196	9/16		140		
53197	5/8				
53198	11/16		150		
53199	3/4		210		

HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ



COD.	mm	L (mm)	g		
58660	5	170	260	10	●
58661	6		270		
58662	8		345		
58663	10		350		
58664	12		420		
58665	14		430		

TORX®*



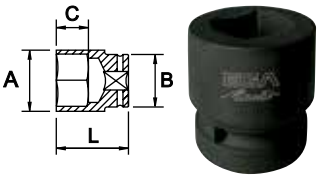
COD.		L (mm)	g		
65946	T-25	78	75	10	●
65947	T-27				
65948	T-30		80		
65949	T-40				
65950	T-45		85		
65951	T-50		90		
65952	T-55		110		
65953	T-60		120		

3/4"

4 PT.- 3/4"

STANDARD

MM

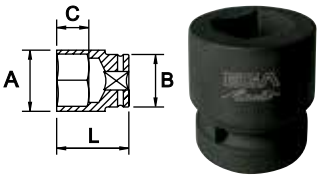


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
57190	22	50	44	44	24	4	240	1	●
57191	24		47				250		
57192	27		49				270		
57193	30		55				420		

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
56394	5/8	52	32	40	13	4	285	1	●
56395	11/16		34				295		
56396	13/16		42	42	15		380		

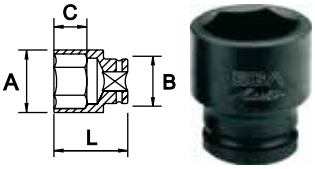
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

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to the Management Quality

- 3/4"
- 6 PT.- 3/4"
- STANDARD
- MM



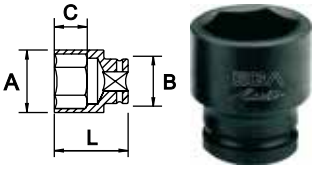
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
59990	16		30	44	22		380		
63879	17						220		
57334	18		32						
60620	19		33						
57335	20		35		18				
60621	21	50		38					
60622	22		37						
60623	23		38				230		
60624	24		39		22				
57336	25		40		23				
60625	26		41		24				
60626	27		43	40	26				
60627	28		44						
60628	29		45	42			310		
60629	30		46				420		
57337	31						430		●
60630	32		49				440		
60631	33		50				460		
60632	34	55				6	480	1	
58454	35		51		27		460		
60633	36						500		
60634	38		55				550		
57338	39			44			560		
57339	40						570		
60635	41		60				600		
60636	42						700		
58455	43		61				610		
57340	44	60	60						
57341	45						700		
60637	46	65	65						
57342	47				28				
63880	48								
60638	50	70	70				1100		
57345	51								-
63881	54			55	32				
63891	55	75	75		43		1250		
63921	60		85				1300		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

- INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
58453	11/16		29	38	16		220		
65227	3/4		33						
65228	13/16	50	35		18				
65229	7/8		37				230		
65230	15/16		39						
65231	1		41		22				
65232	1.1/16		43		26				
65233	1.1/8		45				310		
65234	1.3/16		46				420		
65235	1.1/4	55	49				440		
65236	1.5/16		50	44			460		●
65237	1.3/8				27		480		
65238	1.7/16		55				500		
65239	1.1/2					6	550	1	
68689	1.9/16		58						
65240	1.5/8	60	60				600		
65241	1.11/16								
65242	1.3/4		65				700		
57344	1.13/16								
65243	1.7/8	65	70				750		
57346	1.15/16								
65244	2				28				
57347	2.1/16	70	75				1100		
57354	2.3/32			55					-
57348	2.1/8								
68688	2.3/16	75	80				1350		
57999	2.1/4				35		1450		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

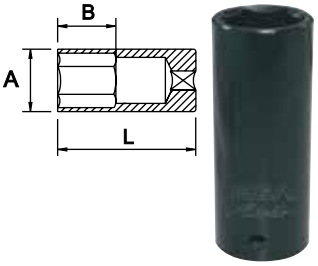
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3/4"

6 PT.- 3/4"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM



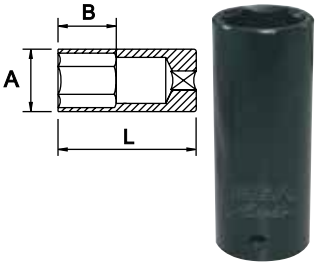
COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
60678	17	90	31	28	6	500	1	●
60679	19		33			600		
57349	20		34					
60680	21		35					
60681	22		37					
57350	23							
60682	24		39			650		
57351	25		40					
60683	26		41	36				
60684	27		42	50				
57352	28		44					
57353	29		45	55		850		
60685	30		46					
60686	32		49					
60687	33		50			900		
60688	34							
60689	36		55	60		950		-
60690	38							
60691	41		60					
63895	42							
58456	43		61	44		940		
63945	44		65			1000		
63896	48					1100		
63897	50		70			1200		
58459	54		75			1400		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
58001	3/4	90	33	26	6	550	1	●
58002	13/16		35					
58003	7/8		37			600		
58004	15/16		38					
65245	1					550		
65246	1.1/16		40					
65247	1.1/8		42			600		
65248	1.3/16		44	28				
65249	1.1/4		46			650		
65250	1.5/16		48					
65251	1.3/8		50	30		700		
57360	1.7/16							
65252	1.1/2		55			750		
57361	1.9/16			34				
57362	1.5/8		60			800		
57363	1.11/16							-
63946	1.3/4		65	42		1000		
57364	1.13/16							
57365	1.7/8					1100		
57366	1.15/16		70	65				
57367	2					1150		

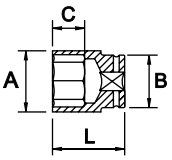
DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

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to the Management Quality

- 3/4"
- 8 PT.- 3/4"
- STANDARD
- INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
56363	5/8	50	32	40	13	8	275	1	●
56364	11/16		34				280		
56365	3/4		40				320		
56366	13/16		42	42	15		360		
56367	7/8		44	44			395		
56368	15/16	52	46		18		425		
56369	1		50				485		
56370	1.1/16	54	53		19		555		
56371	1.1/8		56				585		
56372	1.3/16		58		21		630		
56373	1.1/4	56	61		22		705		
56374	1.5/16		63.5				735		
56375	1.7/16		68		24		765		
56376	1.1/2	58	70				860		



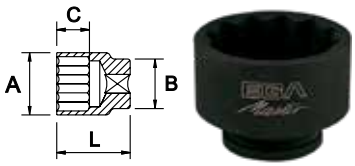


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

EGA Master
ART IN INNOVATION

- 3/4"
- 12 PT.- 3/4"
- STANDARD
- MM



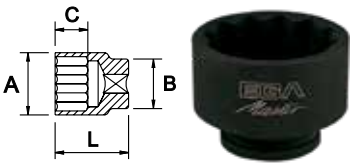
N!	COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
	53484	16		30				350		
	53518	17		31						
	53485	19		33						
	53446	20		34						
	53486	21	50	35		25				
	53487	22		36						
	53488	23		37						
	53489	24		39				400		
	53447	25		42						
	53490	26		43		28				
	53491	27								
	53492	28		45						
	53493	29		46						
	53494	30		47						
	53448	31		49	44					
	53495	32	55					450		
	53496	33		50						
	53497	34					12		1	●
	53481	35								
	53498	36		55				500		
	53499	38				30				
	53449	39								
	53450	40		60						
	53500	41						700		
	53501	42								
	53482	43	60							
	53451	44		65						
	53452	45								
	53502	46						750		
	53453	47								
	53519	48		70						
	53503	50	70							
	53455	51			55	35		850		
	53520	54		75						
	53521	55	75	80				900		
	53525	60		85				1000		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero especial / *Special steel* / Acier spécial

- INCH



N!	COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
	53480	11/16		32				350		
	53528	3/4		33						
	53529	13/16	50	35						
	53530	7/8		36		25				
	53531	15/16		39				400		
	53532	1		42						
	53533	1.1/16		43						
	53534	1.1/8		46						
	53535	1.3/16		48						
	53536	1.1/4		50	44			450		●
	53537	1.5/16	55							
	53538	1.3/8								
	53539	1.7/16		55				500		
	53540	1.1/2				30	12		1	
	53555	1.9/16								
	53541	1.5/8		60				700		
	53542	1.11/16	60							
	53543	1.3/4		65						
	53454	1.13/16						750		
	53544	1.7/8								-
	53456	1.15/16		70						
	53545	2	70					1050		
	53457	2.1/16								
	53464	2.3/32		75	55	35				
	53458	2.1/8						1100		
	53554	2.3/16	75	80				1350		
	53473	2.1/4								

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CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero especial / *Special steel* / Acier spécial

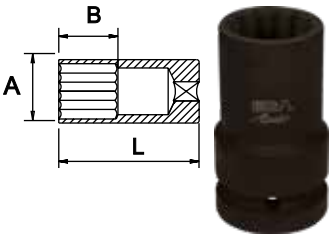
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3/4"

12 PT.- 3/4"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM



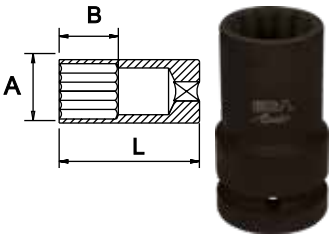
COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
53504	17	90	31	25	12	550	1	●
53505	19		33			600		
53459	20		34					
53506	21		35					
53507	22		36					
53460	23		38			650		
53508	24		39					
53461	25		42					
53509	26		43	26		700		
53510	27			28				
53462	28		47	30				-
53463	29							
53511	30		49			800		
53512	32		50			900		
53513	33		55			950		
53514	34							
53515	36					1050		
53516	38					1100		
53517	41		60			1200		
53522	42							
53483	43		65			1450		
53526	44					1650		
53523	48	100	70	35				
53524	50					1950		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero especial / *Special steel* / Acier spécial

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
53474	3/4	90	33	25	12	600	1	●
53475	13/16		35					
53476	7/8		36					
53477	15/16		39			700		
53546	1		42					
53547	1.1/16		43					
53548	1.1/8		46	30		800		
53549	1.3/16		48					
53550	1.1/4		50			900		
53551	1.5/16					950		
53552	1.3/8		55			1050		-
53465	1.7/16							
53553	1.1/2					1100		
53466	1.9/16		60			1200		
53467	1.5/8							
53468	1.11/16		65			1300		
53527	1.3/4					1650		
53469	1.13/16							
53470	1.7/8		70	35				
53471	1.15/16					1950		
53472	2							

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero especial / *Special steel* / Acier spécial

3/4"

PUNTAS ATORNILLADORAS DE IMPACTO CON VASO / *IMPACT SOCKET BITS* / EMBOUTS DE VISSAGE CHOCS À DOUILLE / *STECKSCHLÜSSEL BITS* / INSERTI A BUSSOLA IMPACT / *PONTAS APARAFUSADORAS DE IMPACTO COM CHAVE DE CAIXA* / ГОЛОВКИ-БИТЫ УДАРНЫЕ

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	g		
58731	10	100	490	10	●
58732	12		500		
58733	14				
58734	17		550		
58735	19		600		
58736	22				
58737	24		700		
58738	27				
58739	30		850		
58740	32				

INCH.



COD.	inch	L (mm)	g		
53201	3/8	100	480	10	●
53202	7/16		500		
53203	1/2				
53204	9/16				
53205	5/8		550		
53206	11/16				
53207	3/4		600		
53208	13/16				
53209	7/8				
53210	1		700		
53211	1.1/16				
53212	1.1/8		750		
53213	1.3/16		800		
53214	1.1/4		850		

TORX®*



COD.		L (mm)	g		
53216	T-50	100	500	10	●
53217	T-55		550		
53218	T-60		600		
53219	T-70				
53220	T-80		700		
53221	T-90				
53222	T-100		850		

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

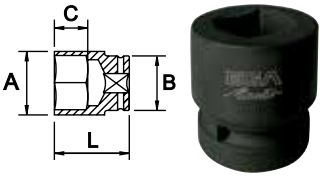
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Management System
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1"

4 PT. - 1"

STANDARD

MM

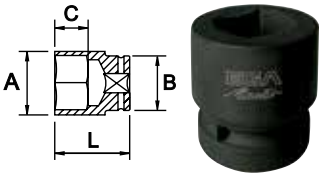


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
57194	17	60	40	50	24	4	320	1	●
57195	18		42				340		
57196	20						350		
57197	21		44				360		
57198	22						370		
57199	23		48	55	27		500		
57200	24		50						
57201	27		55						
57202	30		60				550		

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
56397	3/4	57	43	52	13	4	575	1	●
56398	13/16		44		15		565		
56399	7/8	60	48	54			675		
56400	15/16		50		18		685		
56401	1		53				715		
56402	1.1/8		60		19		840		
56403	1.1/2	75	75		24		1445		-

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

EGA Master
ART IN INNOVATION

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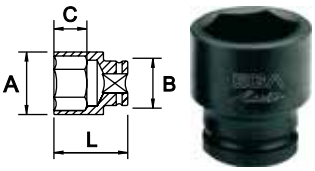
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1"

6 PT. - 1"

STANDARD

MM



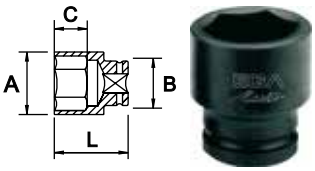
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
57372	20		37						
57373	21		38				500		
57374	22		39						
57375	23	60	40						
65534	24		42	50	23				
57376	25								
57377	26		44						
65535	27		45				550		
57378	28		46						
57379	29		48						
65536	30		49						
57380	31		50						
65537	32						600		●
57140	33				26				
57141	34	65	53				650		
57142	35								
65538	36		55				700		
57381	37								
60640	38		60				800		
57382	39								
63882	40				28	6		1	
60641	41						850		
60642	42		65						
57383	44	70					900		
57384	45			55			950		———
60643	46								
57385	47	75	75				1050		
63890	48				32				
60644	50								
60645	52	80					1100		
60646	54						1150		
60647	55		80		45		1200		
60648	56	85					1250		
60649	57						1300		-
60650	58		85				1350		
60651	60				47		1450		
60652	62	90	90						
60653	63						1550		
60654	65	95	95						
60655	70		100		50		1700		
60656	75	100	105	85	55		3600		
63925	80		110				3700		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
58008	3/4		34		17		500		
58009	13/16	58	36	54					
58010	7/8		40		18		550		
58011	15/16		42						
65253	1		44		26				
65254	1.1/16		46						
65255	1.1/8		48				600		
65256	1.3/16	60	49				650		
65257	1.1/4		50		27		700		
65258	1.5/16								●
57143	1.11/32		55				750		
65259	1.3/8								
65260	1.7/16						800		
65261	1.1/2	65	60						
65262	1.9/16				28				
65263	1.5/8	70	65				850		
65264	1.11/16								
65265	1.3/4						900		
65266	1.13/16		70	55			950		———
65267	1.7/8	75				6	1000	1	
68690	1.15/16				32		1100		
65268	2		75						
68691	2.1/16								
65269	2.1/8	80	80				1400		
58028	2.3/16								
65270	2.1/4	85							
68692	2.5/16		85				1700		
65271	2.3/8								
68693	2.7/16	90	90		47		2000		-
65272	2.1/2								
68694	2.9/16		95				2200		
65273	2.5/8	95							
58012	2.11/16		97				2250		
58013	2.3/4		99				2550		
58014	2.13/16	100	101		53		3250		
58015	2.7/8		103	86			3400		
58016	2.15/16		104				3500		
57983	3	90	108	68	50		2800		
57984	3.1/8		112				3000		
58017	3.3/16	100	110	86	53		3500		

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CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

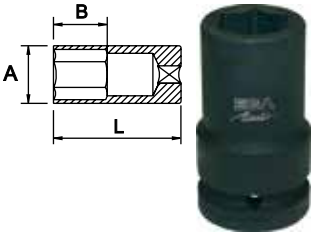
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to the Management Quality

1"

6 PT. - 1"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM



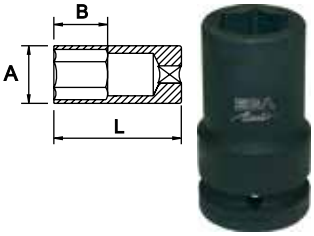
COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
57387	21	90	40	16	6	750	1	●
63898	22							
63899	23		41			800		
65539	24		42					
57388	25		43	19				
63900	26		44			900		
65540	27		46			950		
63905	28		47					—
63901	29		48					
65541	30		49					
65542	32		50			1000		
63902	33							
63903	34		55					
63904	35			23				
65543	36					1050		
65544	38		60			1100		-
57392	40							
63883	41					1200		
63906	42		65					
63907	43			40		1300		
65546	46	100	70			1500		
57393	47							
65547	50		75			1600		
63908	55		80	50		1900		
63909	60	120	90			2500		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
58018	3/4	90	34	19	6	700	1	●
58019	13/16		36			800		
58020	7/8		40					
58021	15/16		42					
57398	1		43					
57399	1.1/16		45			850		—
65274	1.1/8		48	30		1200		
65275	1.3/16		49					
65276	1.1/4		50					
65277	1.5/16		55	35		1250		
65278	1.3/8							
65279	1.7/16					1300		
65280	1.1/2		60			1350		
65281	1.9/16					1400		
65282	1.5/8		65			1450		
65283	1.11/16	110				1550		
65284	1.3/4		70	42		1600		-
65285	1.13/16					1650		
65286	1.7/8					1700		
57400	1.15/16		75					
65287	2					1800		
58022	2.1/16		78					
58023	2.1/8			55		1900		
58024	2.3/16		80					
58025	2.1/4					2050		
58026	2.5/16	120	85	60		2200		
58027	2.3/8					2400		

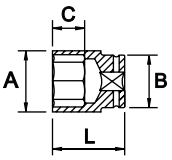
DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

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ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

- **1"**
- **8 PT.- 1"**
- **STANDARD**
- **INCH**



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
56377	7/8	60	50	54	15	8	695	1	●
56378	15/16		52		18		700		
56379	1		54				715		
56380	1.1/8	62	59		19		820		
56381	1.3/16		61		21		850		
56382	1.1/4		63		22		860		
56383	1.5/16		66				905		
56384	1.3/8	65	68	58			1085		-
56385	1.7/16	67	71		24		1200		
56386	1.1/2		73				1225		
56387	1.5/8	70	78		27		1365		
56388	1.11/16	74	82	62			1710		
56389	1.3/4		84				1720		
56390	1.13/16	76	86		30		1830		
56391	1.7/8		88				1850		
56392	2	80	94		32		2200		
56393	2.3/16	84	101		35		2655		

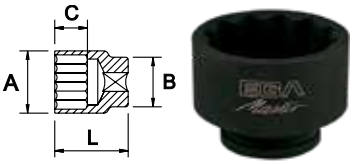


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

BE SAFE...BE EFFICIENT

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

- 1"
- 12 PT.- 1"
- STANDARD
- MM



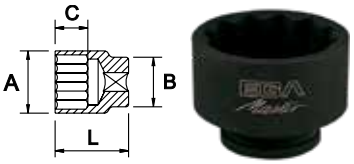
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
53316	20	55	35	55	25		700		
53317	21		36						
53318	22		37						
53319	23		38						
53428	24		40						
53320	25		41						
53321	26		42						
53429	27		45						
53322	28	60	47	60	30		750		●
53323	29		48						
53430	30		50						
53324	31								
53431	32		55				800		
53312	33								
53313	34								
53314	35						850		
53432	36								
53325	37		60				900		
53360	38								
53326	39	65				12	950	1	
53377	40		65						
53361	41								
53362	42				35				
53327	44						1000		
53328	45	70	70				1300		
53363	46								
53329	47								
53379	48	75	75	70	40		1400		-
53364	50						1500		
53365	52								
53366	54		80				1600		
53367	55						1680		
53368	56						1700		
53369	57		85				1800		
53370	58	85					1900		
53371	60								
53372	62		90				2100		
53373	63								
53374	65		95				2200		
53375	70	90	100		50		2500		
53376	75		105				2800		
53392	80		110				3000		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

- INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g		
53340	3/4	55	34	55	25		700		
53341	13/16		35						
53342	7/8		37						
53343	15/16		40						
53393	1		41						
53394	1.1/16		45						
53395	1.1/8	60	48	60	30		750		●
53396	1.3/16		50						
53397	1.1/4								
53398	1.5/16		55				800		
53315	1.11/32								
53399	1.3/8						850		
53400	1.7/16								
53401	1.1/2		60				900		
53402	1.9/16	65							
53403	1.5/8		65				950		
53404	1.11/16								
53405	1.3/4	70	70		35		1000		
53406	1.13/16						1300		
53407	1.7/8					12	1400	1	
53441	1.15/16	75	75						
53408	2						1500		
53442	2.1/16		80						
53409	2.1/8						1600		
53410	2.1/4		85				1800		
53443	2.5/16				40				
53411	2.3/8	85	90	70			2100		-
53444	2.7/16								
53412	2.1/2								
53445	2.9/16						2150		
53413	2.5/8		95						
53344	2.11/16	90			50		2500		
53345	2.3/4		100						
53346	2.13/16								
53347	2.7/8		105				2800		
53348	2.15/16								
53338	3		110				3000		
53339	3.1/8								
53349	3.3/16		115						

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

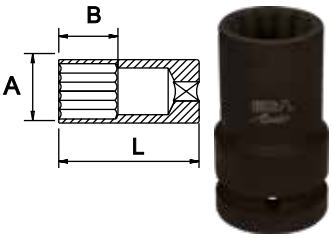
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

1"

12 PT.- 1"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM



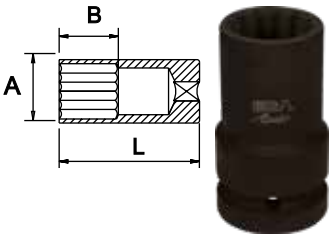
COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g		
53330	20	100	35	25	12	800	1	•
53331	21		36					
53380	22		37	30		950		
53381	23		39					
53433	24		40					
53332	25		42					
53382	26		44			1000		
53434	27							
53387	28		46					
53383	29		48					
53435	30		50					
53436	32		55	35		1200		-
53384	33							
53385	34							
53386	35							
53437	36		60			1400		
53438	38							
53333	40		65	40		1550		
53378	41							
53388	42							
53389	43					1600		
53439	46		70			2100		
53334	47							
53440	50		75	45		2400		
53390	55		80	50		2750		
53391	60		90			2800		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g		
53350	3/4	100	34	30	12	800	1	•
53351	13/16		35					
53352	7/8		37			950		
53353	15/16		40					
53335	1		43			1000		
53336	1.1/16		45					
53414	1.1/8		48					
53415	1.3/16		50					
53416	1.1/4		55	35		1200		-
53417	1.5/16							
53418	1.3/8							
53419	1.7/16		60			1400		
53420	1.1/2							
53421	1.9/16			40		1550		
53422	1.5/8		65					
53423	1.11/16					1600		
53424	1.3/4		70			2100		
53425	1.13/16							
53426	1.7/8					2300		
53337	1.15/16		75			2400		
53427	2							
53354	2.1/16		80	45		2750		
53355	2.1/8							
53356	2.3/16		85					
53357	2.1/4							
53358	2.5/16					2800		
53359	2.3/8		90					

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

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to the Management Quality

1"

PUNTAS ATORNILLADORAS DE IMPACTO CON VASO / *IMPACT SOCKET BITS* / EMBOUTS DE VISSAGE CHOCS À DOUILLE / *STECKSCHLÜSSEL BITS* / INSERTI A BUSSOLA IMPACT / *PONTAS APARAFUSADORAS DE IMPACTO COM CHAVE DE CAIXA* / ГОЛОВКИ-БИТЫ УДАРНЫЕ

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

MM



COD.	mm	L (mm)	g		
58741	10	100	700	10	•
58742	12				
58743	14				
58744	17		750		
58745	19		800		
58746	22		850		
58747	24		900		
58748	27		950		
58749	30		1050		-
58750	32		1250		

INCH.



COD.	inch	L (mm)	g		
53234	3/8	100	700	10	•
53235	7/16				
53236	1/2				
53237	9/16		750		
53238	5/8				
53239	11/16				
53240	3/4		800		
53241	13/16		850		
53242	7/8				
53243	1		900		
53244	1.1/16		950		
53245	1.1/8				
53246	1.3/16		1000		-
53247	1.1/4		1050		

TORX®*



COD.		L (mm)	g		
53249	T-50	100	700	10	•
53250	T-55		750		
53251	T-60		850		
53252	T-70		900		
53253	T-80		950		
53254	T-90		1050		-
53255	T-100		1150		

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

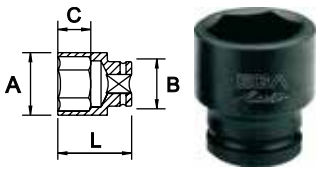
NATO OTAN
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Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

1.1/2"

6 PT. -1.1/2"

STANDARD

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
63884	34	80	60	85	31	6	2,2	1	-
65666	35								
65737	36								
63885	38								
63886	40		70				2,4		
63887	41								
63888	42								
63889	43		75						
65426	46	85							
65427	50		80		33				
65428	55	90	85		36		2,7		
65429	60		90		39		2,8		
65430	65	95	95				3,2		
65431	70	100	105		40		3,5		
65432	75	105	110				4,0		
68697	77	110	115		42		4,5		
65433	80								
65434	85		120		50		5,0		
65435	90		130				5,5		
65436	95		135		55		6,0		
65437	100	115	140				6,5		
65438	105	120	145				7,5		
65439	110	125	155		70		8,0		
65440	115	130	160		72		9,0		
65441	120		165		77		10		
65442	125	135	175				12		
65443	130	140	180		80		14		
65444	135	145	185						
65445	140	150	190						
65446	145		195				15		
65447	150	155	200		85		15,5		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

INCH

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
58029	1.5/16	80	62	86	31	6	2,2	1	-
68700	1.3/8		65	85					
68701	1.7/16								
68702	1.1/2								
68703	1.9/16		70				2,4		
68704	1.5/8								
68705	1.11/16								
68706	1.3/4	85	75						
68707	1.13/16								
68708	1.7/8	85	75	85	31	6	2,4	1	-
68709	1.15/16								
68710	2		80						
68711	2.1/16								
68712	2.1/8	90	85		32		2,7		
68713	2.3/16								
68714	2.1/4								
68715	2.5/16		90						
68716	2.3/8				35		2,8		
68717	2.7/16								
68718	2.1/2		95				3,2		
68719	2.9/16	95							
68720	2.5/8		100		40		3,5		
68721	2.11/16								
68722	2.3/4	100							
68723	2.13/16		105				4,0		
68724	2.7/8				42				
68725	2.15/16	105							
68726	3		110						
68727	3.1/16								
68728	3.1/8	110	115				4,5		
68729	3.3/16								
68730	3.1/4		120						
68731	3.5/16								
68732	3.3/8		125		50		5,0		
68733	3.7/16								
68734	3.1/2								
68735	3.9/16		130				5,5		
68736	3.5/8								
68737	3.11/16								
68738	3.3/4		135				6,0		
68739	3.13/16								
68740	3.7/8				55				
68741	3.15/16	115	140				6,5		
68742	4								
58030	4.1/8	120	146	86			9,0		
58031	4.3/16		148				10		
58032	4.1/4	124	151	127	70		11		
58033	4.5/16		153						
58034	4.3/8		156						
58035	4.7/16	128	158		72		12		
58036	4.1/2		160						
58037	4.5/8	132	163		77		13		
58038	4.3/4		166				14		
58039	5	136	175				16		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

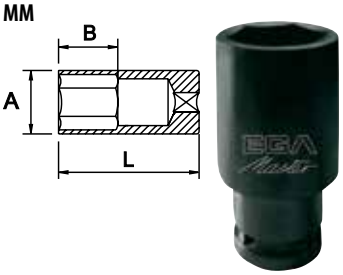
Cr-Mo

1.1/2"

6 PT. -1.1/2"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	Kg		
56100	34	120	60	31	6	2,8	1	-
56101	35							
56102	36							
56103	38		70			2,9		
56104	40					3,0		
56105	41							
56106	42					3,2		
56107	43		75			3,3		
56108	46					3,8		
56109	50	150	80	33		4,0		
56110	55		85	36		4,5		
56111	60		90	39		5,0		
56112	65		95			5,5		
56113	70	170	105	40		6,5		
56114	75		110	42		7,0		
56115	77		115			7,5		
56116	80					8,0		
56117	85	180	120	50		8,5		
56118	90		130	55		9,0		
56119	95		135			9,5		
56120	100		140	60		10		
56121	105	190	145			11		
56122	110		155			14		
56123	115		160			16		
56124	120		165	75		18		
56125	125		175			19		
56126	130	200	180	80		21		
56127	135		185			22		
56128	140		190			23		
56129	145		195			24		
56130	150		200	85		25		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

INCH

COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	Kg		
58041	1.5/16	120	62	31	6	2,7	1	-
56131	1.3/8		65			2,8		
56132	1.7/16					2,9		
56133	1.1/2							
56134	1.9/16		70			3,0		
56135	1.5/8							
56136	1.11/16		75			3,1		
56137	1.3/4					3,2		
56138	1.13/16	150	75	31		3,8		
56139	1.7/8							
56140	1.15/16		80	33		4,0		
56141	2							
56142	2.1/16							
56143	2.1/8		85	36		4,5		
56144	2.3/16							
56145	2.1/4		90	39		5,0		
56146	2.5/16							
56147	2.3/8							
56148	2.7/16							
56149	2.1/2		95			5,5		
56150	2.9/16							
56151	2.5/8		100	40		6,0		
56152	2.11/16							
56153	2.3/4		105			6,5		
56154	2.13/16							
56155	2.7/8	170		42		7,0		
56156	2.15/16		110					
56157	3							
56158	3.1/16				6		1	-
56159	3.1/8		115			8,0		
56160	3.3/16							
56161	3.1/4		120	50		8,5		
56162	3.5/16							
56163	3.3/8							
56164	3.7/16		125			9,0		
56165	3.1/2			55				
56166	3.9/16	180	130					
56167	3.5/8							
56168	3.11/16					9,5		
56169	3.3/4		135					
56170	3.13/16							
56171	3.7/8		140	60		10,0		
56172	3.15/16					10,5		
56173	4							
58042	4.1/16	190	143			11		
58043	4.1/8		146					
58044	4.3/16		148			12		
58045	4.1/4		151			13		
58046	4.5/16		153			14		
58047	4.3/8		156			14		
58048	4.1/2		160			16		
58049	4.5/8		163			17		
58050	4.3/4		166	77		18		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

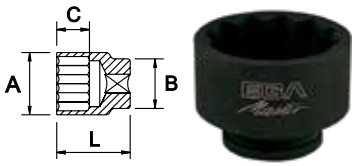
NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

1.1/2"

12 PT.- 1.1/2"

STANDARD

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
53651	34	80	60	85	31	12	2,2	1	-
53679	35								
53680	36						2,5		
53652	38		70				2,6		
53653	40								
53654	41								
53655	42								
53656	43		75				2,7		
53657	46	85							
53658	50		80		33		2,8		
53659	55	90	85		36		3		
53660	60		90		39		3,2		
53661	65	95	95				3,6		
53662	70	100	105		40		4		
53663	75	105	110						
53681	77	110	115		42		5		
53664	80								
53665	85		120		50		6		
53666	90		130						
53667	95		135		55		7		
53668	100	115	140						
53669	105	120	145				9		
53670	110	125	155	125	70		11		
53671	115	130	160				12		
53672	120		165		75		13		
53673	125	135	175				15		
53674	130	140	180		80		17		
53675	135	145	185				18		
53676	140	150	190				19		
53677	145		195						
53678	150	155	200		85				

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CrMo

INCH

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
53630	1.5/16	80	60	85	31	12	2,2	1	-
53682	1.3/8						2,6		
53683	1.7/16		65				2,5		
53684	1.1/2								
53685	1.9/16		70				2,6		
53686	1.5/8								
53687	1.11/16		75				2,7		
53688	1.3/4	85							

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
53689	1.13/16	85	75	85	31	12	2,7	1	-
53690	1.7/8								
53691	1.15/16						2,8		
53692	2		80						
53693	2.1/16						2,9		
53694	2.1/8	90	85		32		3		
53695	2.3/16								
53696	2.1/4						3,1		
53697	2.5/16		90				3,2		
53698	2.3/8								
53699	2.7/16				35		3,3		
53700	2.1/2		95				3,4		
53701	2.9/16	95					3,6		
53702	2.5/8						3,7		
53703	2.11/16		100		40		3,9		
53704	2.3/4	100							
53705	2.13/16		105				4		
53706	2.7/8								
53707	2.15/16	105		85	42				
53708	3		110						
53709	3.1/16						5		
53710	3.1/8	110	115			12		1	-
53711	3.3/16								
53712	3.1/4		120				6		
53713	3.5/16				50				
53714	3.3/8								
53715	3.7/16		125						
53716	3.1/2								
53717	3.9/16		130				7		
53718	3.5/8								
53719	3.11/16		135						
53720	3.3/4								
53721	3.13/16								
53722	3.7/8	115	140		55		8		
53723	3.15/16								
53724	4								
53631	4.1/8	120	145				9		
53632	4.3/16		150				10		
53633	4.1/4	125		125					
53634	4.5/16		155		70		11		
53635	4.3/8								
53636	4.7/16	130	160				12		
53637	4.1/2								
53638	4.5/8		165				13		
53639	4.3/4				75		14		
53640	5	135	175				16		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CrMo

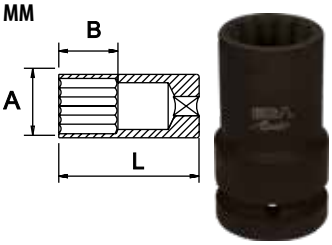
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
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to the Management Quality

1.1/2"

12 PT.- 1.1/2"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	Kg		
53556	34	120	60	31	12	2,8	1	-
53557	35							
53558	36							
53559	38		70			2,9		
53560	40					3		
53561	41							
53562	42		75			3,2		
53563	43					3,3		
53564	46					3,8		
53565	50	150	80	33		4		
53566	55		75	36				
53567	60		90	39		5		
53568	65		95					
53569	70	170	105	40		6		
53570	75		110	42		7		
53571	77		115					
53572	80					8		
53573	85		120	50				
53574	90	180	130	55		9		
53575	95		135			10		
53576	100		140	60				
53577	105		145			11		
53578	110		155			14		
53579	115	190	160			16		
53580	120		165	75		18		
53581	125		175			19		
53582	130	200	180	80		21		
53583	135		185			22		
53584	140		190			23		
53585	145		195			24		
53586	150		200	85		25		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CrMo

INCH

COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	Kg		
53641	1.5/16	120	60	30	12	2,7	1	-
53587	1.3/8		65	31		2,8		
53588	1.7/16					2,9		
53589	1.1/2							
53590	1.9/16		70			3		
53591	1.5/8							
53592	1.11/16		75			3,1		
53593	1.3/4					3,2		
53594	1.13/16	150				3,8		
53595	1.7/8	150	75	31	12	3,8	1	-
53596	1.15/16			33		4		
53597	2		80					
53598	2.1/16			36				
53599	2.1/8		85					
53600	2.3/16							
53601	2.1/4		90	39		5		
53602	2.5/16							
53603	2.3/8							
53604	2.7/16		95					
53605	2.1/2							
53606	2.9/16							
53607	2.5/8	170	100	40		6		
53608	2.11/16							
53609	2.3/4							
53610	2.13/16		105			7		
53611	2.7/8			42				
53612	2.15/16							
53613	3		110					
53614	3.1/16							
53615	3.1/8	180	115			8		
53616	3.3/16							
53617	3.1/4		120	50				
53618	3.5/16							
53619	3.3/8							
53620	3.7/16		125			9		
53621	3.1/2			55				
53622	3.9/16		130					
53623	3.5/8							
53624	3.11/16							
53625	3.3/4		135			10		
53626	3.13/16							
53627	3.7/8							
53628	3.15/16		140					
53629	4							
53642	4.1/16	190	145	60		11		
53643	4.1/8							
53644	4.3/16		150			12		
53645	4.1/4					13		
53646	4.5/16		155			14		
53647	4.3/8							
53648	4.1/2		160			16		
53649	4.5/8		165			17		
53650	4.3/4			75		18		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CrMo

1.1/2"

PUNTAS ATORNILLADORAS DE IMPACTO CON VASO / *IMPACT SOCKET BITS* / **EMBOUTS DE VISSAGE CHOCS À DOUILLE** / *STECKSCHLÜSSEL BITS* / **INSERTI A BUSSOLA IMPACT** / *PONTAS APARAFUSADORAS DE IMPACTO COM CHAVE DE CAIXA* / **ГОЛОВКИ-БИТЫ УДАРНЫЕ**

HEXAGONAL / *HEXAGONAL* / **HEXAGONALE** / *HEXAGONAL* / **ESAGONALE** / *HEXAGONAL* / **ШЕСТИГРАННАЯ**

MM



COD.	mm	L (mm)	Kg		
53257	17	105	2,3	1	-
53258	18	110			
53259	19				
53260	20				
53261	21				
53262	22		2,4		
53263	23				
53264	24				
53265	25		2,5		
53266	26				
53267	27				
53268	28	115	2,6		
53269	29				
53270	30				
53271	31		2,7		
53272	32				
53273	33				
53274	34	120	2,8		
53275	35				
53276	36				
53277	37		2,9		
53278	38				
53279	39	125	3,0		
53280	40				
53281	41		3,1		
53282	42		3,3		
53283	43				
53284	44	130	3,4		
53285	45				
53286	46				
53287	50	135	3,9		
53288	55	140	4,5		

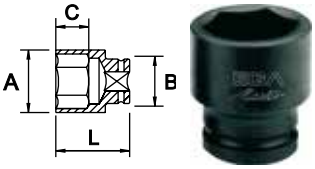
INCH.



COD.	inch	L (mm)	Kg		
53289	11/16	105	2,3	1	-
53290	3/4	110			
53291	13/16				
53292	7/8				
53293	15/16		2,4		
53294	1		2,5		
53295	1.1/16				
53296	1.1/8	115	2,6		
53297	1.3/16				
53298	1.1/4		2,7		
53299	1.5/16				
53300	1.3/8	120	2,8		
53301	1.7/16				
53302	1.1/2		2,9		
53303	1.9/16	125	3,0		
53304	1.5/8		3,1		
53305	1.11/16		3,3		
53306	1.3/4	130	3,4		
53307	1.13/16				
53308	1.7/8		3,7		
53309	1.15/16	135	3,8		
53310	2		3,9		
53311	2.3/16	140	4,5		

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- **2.1/2"**
- **6 PT. - 2.1/2"**
- **STANDARD**
- **MM**



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
68817	41		80						
68818	42								
68819	46		85						
68820	50	120	90		36				
68821	55		95				7,5		
68822	60		100						
68823	65		105						
65452	70		110		40				
65453	75	125	120		45				
65454	80		125				8,0		
65455	85	130	130		50		8,5		
65456	90		135				9,0		
65457	95	140	140		55		11		
65458	100		145						
65459	105	145	155		60		13		
65460	110	155	160		65				
65461	115	160	165				15		
65462	120		175		70		16		
65463	125	165	180	130	75	6	18	1	-
65464	130	170	185				19		
65465	135	175	190						
65466	140	180	200		80		20		
65467	145	185	210						
65468	150	190			85		21		
65469	155	195	220		90		25		
65470	160	200	230				28		
65471	165						30		
65472	170	210	240		95		32		
65473	175						35		
65474	180	220	250		110		37		
65475	185		260				40		
65476	190		270				43		
65477	200	230	280		120		46		
68824	205						49		
68825	210		290				55		
68826	215						60		
68827	220		300				65		
68828	225		310						

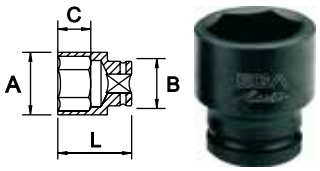
DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

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- **2.1/2"**
- **6 PT. - 2.1/2"**
- **STANDARD**
- **INCH**



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
68744	2	120	90	130	36	6	7,5	1	-
68745	2.1/16								
68746	2.1/8								
68747	2.3/16		95						
68748	2.1/4								
68749	2.5/16								
68750	2.3/8		100						
68751	2.7/16								
68752	2.1/2								
68753	2.9/16		105						
68754	2.5/8								
68755	2.11/16				40				
68756	2.3/4		110				7,6		
68757	2.13/16								
68758	2.7/8	125	115		45		7,7		
68759	2.15/16								
68760	3		120						
68761	3.1/16								
68762	3.1/8						7,8		
68763	3.3/16		125						
68764	3.1/4								
68765	3.5/16				50				
68766	3.3/8		130				8,4		
68767	3.7/16	130							
68768	3.1/2								
68769	3.9/16		135				8,8		
68770	3.5/8								
68771	3.11/16				55				
68772	3.3/4		140				11		
68773	3.13/16	140							
68774	3.7/8		145						
68775	3.15/16								
68776	4		150		60				
68777	4.1/16								
68778	4.1/8	145	155				13		
68779	4.3/16								
68780	4.1/4								
68781	4.5/16	155	160		65				
68782	4.3/8								
68783	4.1/2								
68784	4.9/16		165				15		
68785	4.5/8	160	170		70				
68786	4.11/16								
68787	4.3/4		175				16		
68788	4.13/16								
68789	4.7/8	165	180		75		18		
68790	4.15/16								
68791	5	170	185				19		
68792	5.1/4								
68793	5.5/16	175	190		80		20		
68794	5.3/8								
68795	5.1/2	180	200						
68796	5.3/4	185	210		85				
68797	6								

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
68798	6.1/4	200	220	130	90	6	28	1	-
68799	6.5/16								
68800	6.3/8		230						
68801	6.1/2						30		
68802	6.3/4	210	240		95		32		
68803	7						35		
68804	7.1/4		250		110				
68805	7.5/16	220					40		
68806	7.3/8		260						
68807	7.1/2								
68808	7.3/4		270				43		
68809	8		280				49		
68810	8.1/4				120		55		
68811	8.5/16	230							
68812	8.3/8		290				60		
68813	8.1/2								
68814	8.3/4		300				65		
68815	9								

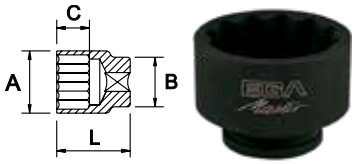
DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

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to the Management Quality

- **2.1/2"**
- **12 PT.- 2.1/2"**
- **STANDARD**
- **MM**



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
53823	41	120	80	130	36	12	7	1	-
53824	42								
53825	46		85						
53826	50		90				8		
53827	55		95						
53828	60		100						
53829	65		105						
53725	70	125	110		40				
53726	75		120		45				
53727	80		125						
53728	85	130	130		50		9		
53729	90		135						
53730	95	140	140		55		11		
53731	100		145				13		
53732	105	145	155		60				
53733	110	155	160		65		15		
53734	115	160	165				16		
53735	120		175		70		18		
53736	125	165	180		75		19		
53737	130	170	185						
53738	135	175	190		80		20		
53739	140	180	200						
53740	145	185	210		85		21		
53741	150	190							
53742	155	195	220		90		25		
53743	160	200	230				28		
53744	165	205			95		30		
53745	170		240				27		
53746	175	210					35		
53747	180	220	250		110		37		
53748	185		260				40		
53749	190		270				43		
53750	200	230	280		120		46		
53830	205						49		
53831	210		290				55		
53832	215						60		
53833	220		300				65		
53834	225		310						

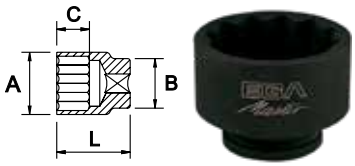
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CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

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ISO 14001:2015
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to the Management Quality

- **2.1/2"**
- **12 PT.- 2.1/2"**
- **STANDARD**
- **INCH**



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
53751	2	120	90	130	36	12	8	1	-
53752	2.1/16								
53753	2.1/8		95						
53754	2.3/16								
53755	2.1/4								
53756	2.5/16								
53757	2.3/8		100						
53758	2.7/16								
53759	2.1/2								
53760	2.9/16		105						
53761	2.5/8				40				
53762	2.11/16								
53763	2.3/4		110						
53764	2.13/16								
53765	2.7/8		115						
53766	2.15/16				45				
53767	3	125	120						
53768	3.1/16								
53769	3.1/8								
53770	3.3/16		125						
53771	3.1/4								
53772	3.5/16				50				
53773	3.3/8		130						
53774	3.7/16	130							
53775	3.1/2								
53776	3.9/16		135				9		
53777	3.5/8								
53778	3.11/16				55				
53779	3.3/4		140				11		
53780	3.13/16	140							
53781	3.7/8		145						
53782	3.15/16								
53783	4		150		60				
53784	4.1/16								
53785	4.1/8	145	155				13		
53786	4.3/16								
53787	4.1/4		160						
53788	4.5/16	155	155		65				
53789	4.3/8		160						
53790	4.1/2								
53791	4.9/16		165				15		
53792	4.5/8	160			70				
53793	4.11/16		170						
53794	4.3/4		175				16		
53795	4.13/16								
53796	4.7/8	165	180		75		18		
53797	4.15/16								
53798	5	170	185				19		
53799	5.1/4								
53800	5.5/16	175	190		80		20		
53801	5.3/8								
53802	5.1/2	180	200						
53803	5.3/4	185	210		85				
53804	6	185	210		85		20		
53805	6.1/4	200	220		90		28		
53806	6.5/16								
53807	6.3/8		230						
53808	6.1/2						30		
53809	6.3/4	210	240		95		32		
53810	7						35		
53811	7.1/4	220	250		110				
53812	7.5/16		260				40		
53813	7.3/8			130		12		1	-
53814	7.1/2		270				43		
53815	7.3/4	230							
53816	8		280				49		
53817	8.1/4				120		55		
53818	8.5/16		290						
53819	8.3/8						60		
53820	8.1/2								
53821	8.3/4		300				65		
53822	9								

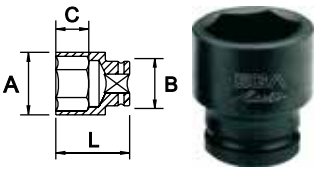
DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

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NATO OTAN
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to the Management Quality

- 3.1/2"
- 6 PT.- 3.1/2"
- STANDARD
- MM



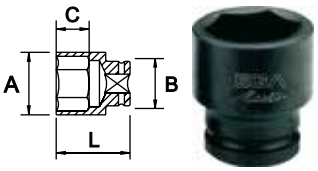
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
67500	100	180	170	180	100	6	16	1	-
67501	105		175				17		
67502	110		185				21		
67503	115	200	190		115		24		
67504	120		195				25		
67505	125	210	200		120		28		
67506	130		210				30		
67507	135	220	220		125		34		
67508	140				130		37		
67509	145	220	230				39		
67510	150		240		135		43		
67511	155						45		
67512	160	230	250	200	140		50		
67513	165		260				55		
67514	170				145		60		
67515	175		270						
67516	180	240	280		150		65		
67517	185								
67518	190		290		155				
67519	195		300				70		
67520	200	250	310	230	160		80		
67521	205								
67522	210		320		165		85		
67523	215		330				90		
67524	220	260	340		170				
67525	225						95		
67526	230	270	350		175		105		
67527	235		360				110		
67528	240		370		185				
67529	245						115		
67530	250	280	380		190		120		
67531	255		390				125		
67532	260	290	400		195		130		
67533	265						135		
67534	270		410		200		140		
67535	275		420				145		
67536	280	300	430				150		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

- INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
68830	4	180	170	180	100	6	16	1	-
68831	4.1/16		175				17		
68832	4.1/8								
68833	4.3/16		180						
68834	4.1/4								
68835	4.5/16		185				21		
68836	4.3/8								
68837	4.1/2	210	190		115		24		
68838	4.9/16								
68839	4.5/8								
68840	4.11/16		195						
68841	4.3/4						25		
68842	4.13/16		200						
68843	4.7/8								
68844	4.15/16				120		28		
68845	5		210						
68846	5.1/4						30		
68847	5.5/16	220	220		125		34		
68848	5.3/8								
68849	5.1/2				130		37		
68850	5.3/4		230						
68851	6		240		135		43		
68852	6.1/4	230	250	200	140		50		
68853	6.5/16								
68854	6.3/8								
68855	6.1/2		260				55		
68856	6.3/4		270		145				
68857	7						60		
68858	7.1/4	240	280						
68859	7.5/16				150		66		
68860	7.3/8		290						
68861	7.1/2				155				
68862	7.3/4	250	300				70		
68863	8		310		160		80		
68864	8.1/4	260	320	230	165		85		
68865	8.5/16								
68866	8.3/8								
68867	8.1/2		330				90		
68868	8.3/4		350		170				
68869	9	270					105		
68870	9.1/4				175				
68871	9.5/16		360				110		
68872	9.3/8								
68873	9.1/2	280	370		185				
68874	9.3/4		380				115		
68875	10		390		190		125		
68876	10.1/4	290	400		195		130		

DIN 3129

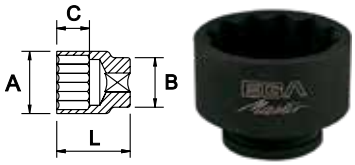
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-Mo

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- 3.1/2"
- 12 PT.- 3.1/2"
- STANDARD

MM



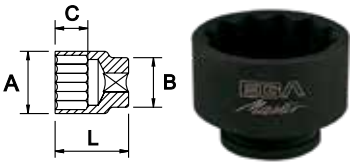
N!	COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
	53835	100	180	170	180	100	12	16	1	-
	53836	105		175				17		
	53837	110		185				21		
	53838	115	210	190		115		24		
	53839	120		195				25		
	53840	125		200		120		28		
	53841	130		210				30		
	53842	135	220	220		125		34		
	53843	140				130		37		
	53844	145		230				40		
	53845	150	230	240		135		43		
	53846	155						46		
	53847	160		250		140		50		
	53848	165		260				55		
	53849	170	240	270	200	145		60		
	53850	175								
	53851	180		280		150		65		
	53852	185		290						
	53853	190	250			155				
	53854	195		300				70		
	53855	200		310	230	160		80		
	53856	205		320						
	53857	210	260			165		85		
	53858	215		330				90		
	53859	220		340		170		95		
	53860	225		350						
	53861	230	270			175		105		
	53862	235		360				110		
	53863	240	280	370		185				
	53864	245		380				115		
	53865	250				190		120		
	53866	255		390				125		
	53867	260	290	400		195		130		
	53868	265		410				135		
	53869	270	300			200		140		
	53870	275		420				145		
	53871	280		430		210		150		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CrMo

INCH



N!	COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	Kg		
	53872	4	180	170	180	100	12	16	1	-
	53873	4.1/16		175				17		
	53874	4.1/8								
	53875	4.3/16		180						
	53876	4.1/4								
	53877	4.5/16		185				21		
	53878	4.3/8								
	53879	4.1/2	210	190		115		24		
	53880	4.9/16								
	53881	4.5/8								
	53882	4.11/16		195						
	53883	4.3/4						25		
	53884	4.13/16		200						
	53885	4.7/8								
	53886	4.15/16				120		28		
	53887	5		210						
	53888	5.1/4						30		
	53889	5.5/16	220	220		125		34		
	53890	5.3/8								
	53891	5.1/2				130		37		
	53892	5.3/4		230						
	53893	6		240		135		43		
	53894	6.1/4								
	53895	6.5/16	230	250		140		50		
	53896	6.3/8								
	53897	6.1/2		260				55		
	53898	6.3/4		270	200	145		60		
	53899	7								
	53900	7.1/4	240	280						
	53901	7.5/16				150		65		
	53902	7.3/8		290						
	53903	7.1/2				155				
	53904	7.3/4	250	300				70		
	53905	8		310		160		80		
	53906	8.1/4								
	53907	8.5/16		320		165		85		
	53908	8.3/8	260							
	53909	8.1/2		330				90		
	53910	8.3/4		350		170		95		
	53911	9			230			105		
	53912	9.1/4	270			175				
	53913	9.5/16		360				110		
	53914	9.3/8								
	53915	9.1/2	280	370		185				
	53916	9.3/4		380				115		
	53917	10		390		190		125		
	53918	10.1/4	290	400		195		130		

DIN 3129

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CrMo

ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEIL* / ADATTATORE / *REDUTOR* / АДАПТЕР

COD.	AF inch AF inch	g		
60696	3/8-1/2	50	6	●
60698	1/2-3/8	110		
60699	1/2-3/4	130		
60700	3/4-1/2	370		
60701	3/4-1	410		
60702	1-3/4	600		

DIN 3121



COD.	AF inch AF inch	g		
68698	1-1.1/2	1100	6	●
65448	1.1/2-1	2100		
65449	1.1/2-2.1/2	4000		
65478	2.1/2-1.1/2	4500		

DIN 3121



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР

COD.	AF inch	g		
60704	3/8	80	6	●
60705	1/2	180		

DIN 3121



COD.	AF inch	g		
60706	3/4	600	4	●
60707	1	1250	2	
60708	1.1/2	3000	1	
60709	2.1/2	6000		

DIN 3121



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (mm)	g		
60710	3/8	75	80	6	
60711	1/2	125	220		
60713		250	430		
57368	3/4	100	450		
60714		175	850		
57369		250	1050		
57370		450	1900		
57371		600	2450		●
57401	1	150	1050	4	
60716		175	1500		
57402		250	1850		
60717		330	2550		
57403		450	3400		
65450	1.1/2	250	5500	1	
65451		300	6500		

DIN 3121



ANILLA DE SEGURIDAD / *SECURITY O-RING* / BAGUES DE SECURITE / *SICHERUNGSRING* / ANELLO SPACCATO / *ANEL DE SEGURANÇA* / БЕЗОПАСНОЕ КОЛЬЦО



COD.	AF inch	Rango (mm) / *Range (mm)* / Rang (mm)	g	
60724	3/4	17-46	5,0	6
60725		50-60		
63274	1	24-38	10	
60726		38-70		
60727		75-80		
60783	1.1/2	34-109	20	
61282		110-150		
60784	2.1/2	41-70		
63275		70-200		
63276		200-225		

PASADOR DE SEGURIDAD / *SECURITY PIN* / GOUPILLE DE SECURITE / *SICHERUNGSSTIFT* / COPPIGLIA / *PINO DE SEGURANÇA* / ФИКСИРУЮЩИЙ ПАЛЕЦ



COD.	AF inch	Rango (mm) / *Range (mm)* / Rang (mm)	g	
60732	3/4	17-46	10	6
60733		50-60		
63277	1	24-38		
60734		38-70		
60735		75-80	15	
60767	1.1/2	34-110	20	
61054		110-150		
63278	2.1/2	41-70	25	
60768		70-200		
63279		200-225		

JUEGOS / *SETS* / COFFRETS / *SÄTZE* / ASSORTIMENTI / *JOGOS* / НАБОРЫ

1/2"

STANDARD

MM



COD.	AF inch	PCS.	Pt	Kg
60693	1/2	10	6	3,5

Composición / *Composition* / Composition	Descripción / *Description* / Description		
60606, 60607, 60609, 60610, 60612, 60613, 60614, 60615, 60616, 60618	Llaves de vaso / *Socket wrenches*	13-14-16-17-19-21-22-24-27-30 mm	⬡

COD.	AF inch	PCS.	Pt	Kg
61265	1/2	10	6	3,0

Composición / *Composition* / Composition	Descripción / *Description* / Description		
60603, 60604, 60605, 60606, 60607, 60610, 60612,. 60613, 60614, 60615	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-17-19-21-22-24 mm	⬡

INCH



COD.	AF inch	PCS.	Pt	Kg
61267	1/2	11	6	3,2

Composición / *Composition* / Composition	Descripción / *Description* / Description		
65213, 65214, 65215, 65216, 65217, 65218, 65219, 65220, 65221, 65222, 65223	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"	⬡

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MM

COD.	AF inch	PCS.	Pt	Kg
61266	1/2	10	6	4,0



Composición / *Composition* / Composition	Descripción / *Description* / Description		
60660, 60661, 60662, 60663, 60664, 60666, 60668, 60669, 60670, 60672	Llaves de vaso serie larga / *Long socket wrenches*	10-11-12-13-14-17-19-21-22-24 mm	⬡

INCH

COD.	AF inch	PCS.	Pt	Kg
61268	1/2	11	6	4,2



Composición / *Composition* / Composition	Descripción / *Description* / Description		
55630, 55631, 55632, 55633, 55634, 55635, 55636, 55637, 55638, 55639, 55640	Llaves de vaso serie larga / *Long socket wrenches*	3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"	⬡

3/4"

STANDARD

MM

COD.	AF inch	PCS.	Pt	Kg
60694	3/4	8	6	5,0



Composición / *Composition* / Composition	Descripción / *Description* / Description		
60625, 60626, 60628, 60629, 60630, 60632, 60633, 60634	Llaves de vaso / *Socket wrenches*	26-27-29-30-32-34-36-38 mm	⬡

COD.	AF inch	PCS.	Pt	Kg
61269	3/4	8	6	5,0

Composición / *Composition* / Composition	Descripción / *Description* / Description		
60621, 60622, 60624, 60626, 60629, 60630, 60633, 60635	Llaves de vaso / *Socket wrenches*	21-22-24-27-30-32-36-41 mm	⬡

INCH

COD.	AF inch	PCS.	Pt	Kg
61271	3/4	8	6	5,0



Composición / *Composition* / Composition	Descripción / *Description* / Description		
65231, 65232, 65233, 65235, 65236, 65237, 65238, 65239	Llaves de vaso / *Socket wrenches*	1"-1.1/16"-1.1/8"-1.1/4"-1.5/16"-1.3/8"-1.7/16"-1.1/2"	⬡

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MM

COD.	AF inch	PCS.	Pt	Kg
61270	3/4	8	6	6,0



Composición / *Composition* / Composition	Descripción / *Description* / Description		
60680, 60681, 60682, 60684, 60685, 60686, 60689, 60691	Llaves de vaso serie larga / *Long socket wrenches*	21-22-24-27-30-32-36-41 mm	⬡

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3/4"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

INCH

COD.	AF inch	PCS.	Pt	Kg
61272	3/4	8	6	6,0

Composición / *Composition* / Composition	Descripción / *Description* / Description	
65245, 65246, 65247, 65249, 65250, 65251, 57360, 65252	Llaves de vaso serie larga / *Long socket wrenches*	1"-1.1/16"-1.1/8"-1.1/4"-1.5/16"-1.3/8"-1.7/16"-1.1/2"



1"

STANDARD

MM

COD.	AF inch	PCS.	Pt	Kg
61273	1	9	6	7,5

Composición / *Composition* / Composition	Descripción / *Description* / Description	
65534, 65535, 65536, 65537, 65538, 60640, 60641, 60643, 60644	Llaves de vaso / *Socket wrenches*	24-27-30-32-36-38-41-46-50 mm



INCH

COD.	AF inch	PCS.	Pt	Kg
61275	1	9	6	7,5

Composición / *Composition* / Composition	Descripción / *Description* / Description	
65253, 65255, 65257, 65258, 65261, 65263, 65265, 65267, 65268	Llaves de vaso / *Socket wrenches*	1"-1.1/8"-1.1/4"-1.5/16"-1.1/2"-1.5/8"-1.3/4"-1.7/8"-2"



SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

COD.	AF inch	PCS.	Pt	Kg
61274	1	9	6	7,5

Composición / *Composition* / Composition	Descripción / *Description* / Description	
65539, 65540, 65541, 65542, 65543, 65544, 63883, 65546, 65547	Llaves de vaso serie larga / *Long socket wrenches*	24-27-30-32-36-38-41-46-50 mm



INCH

COD.	AF inch	PCS.	Pt	Kg
61276	1	9	6	11

Composición / *Composition* / Composition	Descripción / *Description* / Description	
65274, 65276, 65277, 65280, 65282, 65284, 65286, 65287	Llaves de vaso serie larga / *Long socket wrenches*	1"-1.1/8"-1.1/4"-1.5/16"-1.1/2"-1.5/8"-1.3/4"-1.7/8"-2"



PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

SAIPOL
HERRAMIENTA ANTICHISPA / NON-SPARKING TOOLS / OUTILLAGE ANTIDÉFLAGRANT

FRANCIA / FRANCE







10

APRIETE CONTROLADO
CONTROLLED TIGHTENING
SERRAGE CONTROLÉ
KONTROLLIERTES ANZIEHEN
CONTROLLO DI SERRAGGIO
APERTO CONTROLADO
КОНТРОЛИРУЕМАЯ ЗАТЯЖКА



EGATORK

En muchos procesos de producción y mantenimiento es necesario realizar un control estadístico sobre los aprietes realizados. Este control se lleva comúnmente a cabo volviendo a apretar las tuercas hasta que las mismas presentan un desplazamiento y anotando el par al que las tuercas han comenzado a desplazarse. La lectura del par depende de la habilidad del usuario, ya que se debe simultanear la realización de un esfuerzo de apriete progresivo y cuidadoso; la sensación de movimiento y la lectura del par en ese preciso instante; dificultando todo ello un registro preciso del par original y, por tanto, estas mediciones pueden presentar desviaciones importantes sobre el par real que se pretende medir.

Para eliminar todos estos factores que añaden imprecisión a la lectura, EGA Master ha desarrollado sus llaves dinamométricas de control de par que registran el par de apriete original de la tuerca mediante un innovador sistema que registra el par en el mismo momento que la tuerca comienza a girar, gracias a su sensor de giro angular (registrando el valor de par cuando detecta un giro de 3°).

El par conseguido depende de la velocidad de apriete; cuando más lento se realice el apriete, más preciso será el resultado. El display mostrará un mensaje de error si se realiza demasiado rápido.

In many maintenance and production processes it is necessary to conduct statistical control over previously tightened fasteners. This control is generally carried out by re-tightening the screws until they show a displacement (called the just move test) and recording the torque just at the point the fastener began to move. The accuracy of the recorded torque depends on the abilities of the user, since it is necessary to perform the tightening operation in a progressive and careful manner; the movement of the fastener and the torque reading occur at the same time; making the precise recording of the original torque even more difficult, so the actual values recorded in this manner can represent a considerable deviation in the real torque that was intended to be measured.

*In order to overcome these factors which lead to reading inaccuracies, **EGA Master** has developed its torque checking qc wrenches. They register the original tightening torque of the fastener by means of an innovative system that registers the torque at the same time that the fastener starts to turn, thanks to its rotation angle sensor (registering the torque's value when it detects a turn of 3°).*

The measured torque depends on the speed of the operation: the slower the operation, the more precise the result will be. The display might show an error message if the process is carried out too fast.

Dans beaucoup de processus de production et de maintenance, il est nécessaire de réaliser un contrôle statistique sur les serrages réalisés. Ce contrôle se mène généralement à bien en serrant à nouveau les écrous jusqu'à ce que ces derniers montrent un léger déplacement, et en notant le couple à partir de laquelle les écrous ont commencé à se déplacer. La lecture du couple dépend de l'habilité de l'usager, puisque il faut assurer à la fois la réalisation d'un serrage progressif et d'une grande attention; la sensation de mouvement et la lecture du couple à cet instant précis. La difficulté est augmentée par un registre précis du couple originale, ainsi que toutes ces mesures peuvent présenter des déviations importantes sur le couple réel que l'on prétend mesurer.

Pour éliminer tous les facteurs qui ajoutent de l'imprécision à la lecture, EGA Master a développé ses clés dynamométriques de contrôle de couple, qui enregistre le couple de serrage original de l'écrou, grâce à un système innovateur qui enregistre le couple au même moment que l'écrou se met à tourner, grâce à son capteur de rotation angulaire (qui enregistre la valeur du couple quand il détecte une rotation de 3°).

Le couple atteint dépend de la rapidité du serrage; plus le serrage se réalise lentement, plus le résultat sera précis. L'écran affichera un message d'erreur si ce serrage s'effectue trop rapidement.



1

Sistema de grabación y comunicación de datos (para los modelos con cable para la comunicación).

Data recording and communication system (for models with communication cable).

Système de mémoire et de communication (pour les modèles équipés d'un câble).

2

Sistema de aviso sonoro y luminoso para 9 valores prefijados.

Audible and light warning system for the 9 pre-setting torques.

Système de Bip sonore et lumineux pour 9 valeurs pré-sélectionnées

3

Encendido progresivo de leds luminosos al acercarse al valor prefijado.

Progressive switching on of the light leds to approach the pre-set value.

Lumière progressive par Leds en s'approchant de la valeur sélectionnée.

4

Dos modos de medida: M1: para la verificación de pares de apriete y M2: para modos de operación Peak (valor máximo de torsión) & Track (valor de torsión actual).

There are two measurement modes: M1: for the verification of tightening torque and M2: for Peak (maximum torque value) & Track (current torque value).

Deux modes de mesure: M1 : pour la vérification de paire de serrage et M2 : pour les modes d'opération Peak (valeur maximale de torsion) & Track (valeur de torsion actuelle).

5

Almacenamiento de hasta 250 valores.
It can store up to 250 values.
Capacité de stockage jusqu'à 250 valeurs.

6

Equipadas con mangos ergonómicos y antideslizantes.

Oversized ergonomic & anti-slippery handles.

Equipées de manches ergonomiques et anti-dérapants.

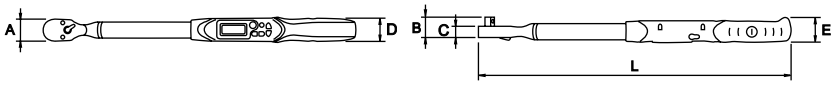
7

Calibración vía web 24 h.
24h web calibration system.
Ajustement en 24 heures par le Web.

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EGATORK

LLAVE DINAMOMÉTRICA DIGITAL PARA CONTROL DE PAR / *TORQUE CHECKING QC WRENCHES* / CLÉ DIGITALE DYNAMOMÉTRIQUE POUR CONTRÔLE DE COUPLE / *DIGITALE DREHMOMENTSCHLÜSSEL MIT DREHMMOMENTREGELUNG* / CHIAVE DINAMOMETRICA DIGITALE PER IL CONTROLLO DELLA COPPIA / *CHAVE DINAMOMÉTRICA DIGITAL PARA CONTROLO DE PAR* / ЦИФРОВОЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	AF inch	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Kg	
56095	1/4	1,5-30	1-22	13-265	15-306	390	23	19	11	39	44	1,4	1
56096	3/8	6,8-135	5-100	60-1195	69-1378	415	30	27	15			1,5	
56097	1/2	10-200	7-148	88-1770	102-2041	530	41	35	19			2,1	
56098		17-340	12-251	150-3009	173-3469	650						2,3	

12M



COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	Cable para la comunicación de datos / *Cable for data communication* / Transmission de données
56095	±1%	±2%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0.1 Kg.cm	250	●	●
56096			0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm			
56097			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			
56098						

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dientes / *Teeth* / Dents	36
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Modo de operación / *Operation mode* / Mode d'opération	M1: Verificación de pares de apriete - M2: Peak/Track* / *M1: Verification of tightening torque - M2: Peak/Track** / M1: Pour la vérification de la forge de serrage - M2: Peak/Track*
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.ft / Lb.in / Kg.cm
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	●
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año / *1 year* / 1 année
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C

*** : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión** / ***Track mode: Direct torque value - Peak mode: Max. torque Value*** / **Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion**

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	L (m)
57573	Cable USB / *USB cable* / Càble USB	1,2



• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

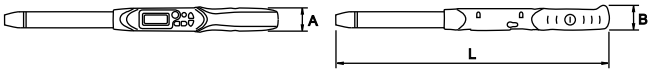
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LLAVE DINAMOMÉTRICA DIGITAL CON MEDICION DE PAR Y ÁNGULO CON COMUNICACIÓN DE DATOS RF WIRELESS / *RF WIRELESS DATA COMMUNICATION TORQUE AND ANGLE DIGITAL WRENCHES* / CLÉ DYNAMOMÉTRIQUE DIGITAL AVEC MESURE D'ANGLE ET DE COUPLE AVEC COMMUNICATION DE DONNÉES RF SANS FIL / *DRAHTLOSE HF-DATENKOMMUNIKATION DIGITALE DREHMOMENT- UND WINKELSCHLÜSSEL* / CHIAVE DINAMOMETRICA DIGITALE CON MISURAZIONE DI COPPIA E ANGOLO CON COMUNICAZIONE DATI RF WIRELESS / *CHAVE DINAMOMÉTRICA DIGITAL COM MEDIÇÃO DE BINÁRIO E ÂNGULO COM COMUNICAÇÃO DE DADOS RF WIRELESS* / ЦИФРОВОЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ С ИЗМЕРЕНИЕМ КРУТЯЩЕГО МОМЕНТА И УГЛА И С БЕСПРОВОДНОЙ РАДИОЧАСТОТНОЙ ПЕРЕДАЧЕЙ ДАННЫХ

LLAVE DINAMOMÉTRICA DE CABEZAS INTERCAMBIABLES / *INTERCHANGEABLE HEAD TORQUE WRENCHES* / CLÉ DYNAMOMÉTRIQUE À TÊTES INTERCHANGEABLES / *AUSWECHSELBARE KOPFDREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA CON TESTE INTERCAMBIABILI / *CHAVE DINAMOMÉTRICA DE CABEÇAS INTERCAMBIÁVEIS* / ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ СО СМЕННЫМИ НАСАДКАМИ

STANDARD



COD.	mm	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	∠	Kg	12M
58764	9x12	1,5-30	1-22	13-265	15-306	360	39	44	1-360º	1,4	1
58765		6,8-135	5-100	60-1195	69-1378	375				1,6	
58766	14x18	17-340	12-251	150-3009	173-3469	590					
59130		25 - 500	18 - 369	221 - 4424	255 - 5102	880	44			4,8	



COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur
58764	±2%	±3%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm / 1º	2000	RF WIRELESS
58765					
58766			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm / 1º		
59130	±2,5%	±3,5%			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Certificado de calibración / *Calibration certificate* / Certificat de calibrage		●
Sistema de aviso / *Warning system* / Systéme d'alerte		Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Unidades de medida / *Unit selection* / Unités de mesure		N.m / Lb.Ft / Lb.in / Kg.cm / °
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web		●
Baterías / *Batteries* / Piles		AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie		110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)		1 año
Temperatura de trabajo / *Working temperature* / Température de travail		-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage		-20 °C ~ 70 °C
Distancia máxima de comunicación entre el receptor y la llave / *Maximum distance between the receiver and the wrench* / Distance maximale de communication entre le récepteur et la clé		100 m (Se podrá ver reducida dependiendo el entorno) / *100 m (This distance could be reduced depending on the environment)* / 100 m (Elle peut être réduite en fonction de l'environnement)
Banda de frecuencia / *Frequency band* / Bande de fréquence		ISM 433 MHz
Dimensiones unión / *Joint Dimensions* / Dimension de l'union		
	58764	9 x 12 mm
	58765	9 x 12 mm
	58766	14 x 18 mm
	59130	14 x 18 mm

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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SERIE LARGA / *LONG SERIE* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ



COD.	mm	N.m	Lb.ft		L (mm)	A (mm)	Kg	
59131	24x32	50-1000	36-737	1-360º	1730	38	13	1
59132	27x36	100-2000	74-1475		1740		14	

12M



COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur
59131	±2,5%	±3,5%	1 N.m / 1 Lb.ft / 1º	2000	RF WIRELESS
59132					

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.Ft / °
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Distancia máxima de comunicación entre el receptor y la llave / *Maximum distance between the receiver and the wrench* / Distance maximale de communication entre le récepteur et la clé	100 m (Se podrá ver reducida dependiendo el entorno) / *100 m (This distance could be reduced depending on the environment)* / 100 m (Elle peut être réduite en fonction de l'environnement)
Banda de frecuencia / *Frequency band* / Bande de fréquence	ISM 433 MHz
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	
59131	24 x 32 mm
59132	27 x 36 mm

BE SAFE...BE EFFICIENT

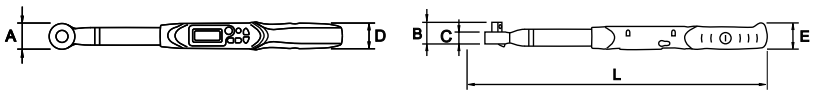
• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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LLAVE DINAMOMÉTRICA DE CABEZAS INTERCAMBIABLES CON CABEZA DE CARRACA / *INTERCHANGEABLE HEAD TORQUE WRENCHES WITH RATCHET HEADS* / CLÉ DYNAMOMÉTRIQUE À TÊTES INTERCHANGEABLES AVEC TÊTE À CLIQUET / *WECHSELKOPF-DREHMOMENTSCHLÜSSEL MIT RATSCHENKÖPFEN* / CHIAVE DINAMOMETRICA A TESTE INTERCAMBIABILI CON TESTA A INNESTO CRICCHETTO / *CHAVE DINAMOMÉTRICA DE CABEÇAS INTERCAMBIÁVEIS COM CABEÇA DE ROQUETE* / ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ ПОД СМЕННЫЕ НАСАДКИ С ГОЛОВКОЙ ТРЕЩОТКИ

STANDARD



COD.	AF inch	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)		Kg	
58767	1/4"	1,5-30	1-22	13-265	15-306	390	25	25	16	39	44	1-360º	1,5	1
58768	3/8"	6,8-135	5-100	60-1195	69-1378	405	37	34	22				1,7	
58769	1/2"	17-340	12-251	150-3009	173-3469	620	43	44	28					
59133		25-500	18-369	221-4424	255-5102	910				44			4,9	

12M



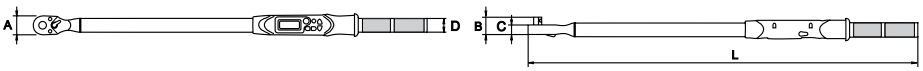
COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur
58767	±2%	±3%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm / 1º	2000	RF WIRELESS
58768					
58769					
59133	±2,5%	±3,5%	0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm / 1º		

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.Ft / Lb.in / Kg.cm / °
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Distancia máxima de comunicación entre el receptor y la llave / *Maximum distance between the receiver and the wrench* / Distance maximale de communication entre le récepteur et la clé	100 m (Se podrá ver reducida dependiendo el entorno) / *100 m (This distance could be reduced depending on the environment)* / 100 m (Elle peut être réduite en fonction de l'environnement)
Banda de frecuencia / *Frequency band* / Bande de fréquence	ISM 433 MHz
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	
58767	9 x 12 mm
58768	9 x 12 mm
58769	14 x 18 mm
59133	14 x 18 mm

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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SERIE LARGA / *LONG SERIE* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ



COD.	AF inch	mm	N.m	Lb.ft		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
59134	1"	24 x 32	50-1000	36-737	1-360º	1800	60	70	41	38	15	1
59135		27 x 36	100-2000	74-1475		1850	70	75	50		16	

12M



COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur
59134	±2,5%	±3,5%	1 N.m / 1 Lb.ft / 1º	2000	RF WIRELESS
59135					

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.Ft / °
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Distancia máxima de comunicación entre el receptor y la llave / *Maximum distance between the receiver and the wrench* / Distance maximale de communication entre le récepteur et la clé	100 m (Se podrá ver reducida dependiendo el entorno) / *100 m (This distance could be reduced depending on the environment)* / 100 m (Elle peut être réduite en fonction de l'environnement)
Banda de frecuencia / *Frequency band* / Bande de fréquence	ISM 433 MHz
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	
59134	24 x 32 mm
59135	27 x 36 mm

RECEPTOR / *RECEIVER* / RÉCEPTEUR / *EMPHÄNGER* / RICEVITORE / *RECEPTOR* / ПРИЕМНИК

COD.	Válido para / *Valid for* / Valable pour	Kg	
58770	59136, 59138, 58764, 58765, 58766, 59130, 59131, 59132, 59137, 59139, 58767, 58768, 58769, 59133, 59134, 59135	1,4	1

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	●
Banda de frecuencia / *Frequency band* / Bande de fréquence	ISM 433MHz

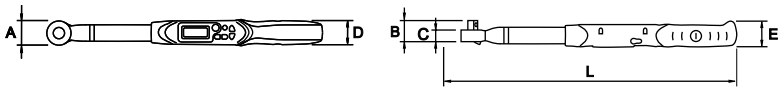


• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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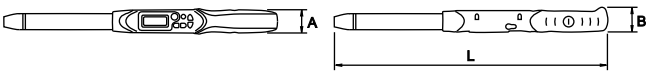
LLAVE DINAMOMÉTRICA CON MEDICIÓN DE ANGULO Y PAR / *TORQUE AND ANGLE WRENCHES* / CLÉ DYNAMOMÉTRIQUE AVEC MESURE D'ANGLE ET DE COUPLE / *DREHMOMENT- UND WINKELSCHLÜSSEL* / CHIAVE DINAMOMETRICA CON MISURA DELL'ANGOLO E COPPIA / *CHAVE DINAMOMÉTRICA COM MEDIÇÃO DE ÂNGULO E PAR* / ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ С ИЗМЕРИТЕЛЕМ УГЛА И МОМЕНТА ЗАТЯЖКИ



COD.	AF inch	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)		Kg	
58775	1/4"	1,5-30	1-22	13-265	15-306	390	25	25	16				0,8	
58776	3/8"	6,8-135	5-100	60-1195	69-1378	410	36	34	23				1,0	
58777								38		39	44	1-360º		1
58778	1/2"	10-200	7-148	88-1770	102-2041	510	43	44	28				1,4	
58779		17-340	12-251	150-3009	173-3469	630							1,5	

12M





COD.	mm	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)		Kg	
59014	9 x 12	1,5-30	1-22	13-265	15-306	360				0,8	
59015		6,8-135	5-100	60-1195	69-1378	370				1,0	
59016	14 x 18	10-200	7-148	88-1770	102-2041	470	39	44	1-360º	1,4	1
59017		17-340	12-251	150-3009	173-3469	590				1,5	

12M



COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	Cable para la comunicación de datos / *Cable for data communication* / Transmission de données
58775	±2%	±3%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm	250	●	●
58776						
58777						
58778						
58779						
59014						
59015						
59016						
59017						

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.ft / Lb.in / Kg.cm
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	
58775	9 x 12 mm
58776	9 x 12 mm
58777	9 x 12 mm
59014	9 x 12 mm
59015	9 x 12 mm
58778	14 x 18 mm
58779	14 x 18 mm
59016	14 x 18 mm
59017	14 x 18 mm
Modo de operación / *Operation mode* / Mode d'opération	Peak/Track*
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	●
Baterías / *Batteries* / Piles	AA x 2
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año / *1 year* / 1 année
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C

*** : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión** / *Track mode: Direct torque value - Peak mode: Max. torque Value* / **Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion**

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	L (m)
57573	Cable USB / *USB cable* / Câble USB	1,2



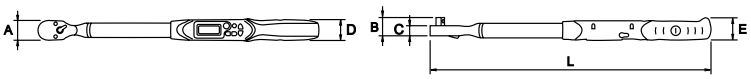
BE SAFE...BE EFFICIENT

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

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EGATORK

LLAVE DINAMOMÉTRICA DIGITAL / *DIGITAL TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE DIGITALE / *DIGITALER DREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA DIGITALE / *CHAVE DINAMOMÉTRICA DIGITAL* / ЦИФРОВОЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	AF inch	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Kg	
62955	1/4	1,5-30	1-22	13-265	15-306	390	23	19	11	39	44	1,4	1
62956	3/8	6,8-135	5-100	60-1195	69-1378	415	30	27	15			1,5	
62957	1/2	10-200	7-148	88-1770	102-2041	530	41	35	19			2,1	
62958		17-340	12-251	150-3009	173-3469	650						2,3	
62959	1/4	1,5-30	1-22	13-265	15-306	390	23	19	11			1,7	
62960	3/8	6,8-135	5-100	60-1195	69-1378	415	30	27	15			1,9	
62961	1/2	10-200	7-148	88-1770	102-2041	530	41	35	19			2,5	
62962		17-340	12-251	150-3009	173-3469	650						2,7	



12M

COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	Cable para la comunicación de datos / *Cable for data communication* / Transmission de données
62955	±2%	±3%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm	50	-	-
62956			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			
62957						
62958						
62959	±1%	±2%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm	250	●	●
62960			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			
62961						
62962						

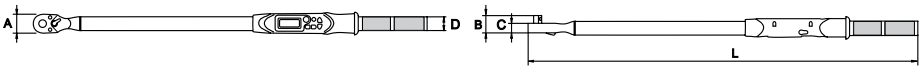
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dientes / *Teeth* / Dents	36
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Modo de operación / *Operation mode* / Mode d'opération	Peak/Track*
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.ft / Lb.in / Kg.cm
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	●
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año / *1 year* / 1 année
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C

*** : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión** / *Track mode: Direct torque value - Peak mode: Max. torque Value* / **Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion**

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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COD.	AF inch	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
67685	3/4	25-500	18-369	221-4424	255-5102	950	60	55	30	38	5,6	1
67686		42,5-850	31-627	376-7521	434-8674	1220					6,2	
67688	1	75-1500	221-1106	-	-	1800	70	65	35		9,2	
67721	3/4	25-500	18-369	221-4424	255-5102	950	60	55	30		5,6	
67722		42,5-850	31-627	376-7521	434-8674	1220					6,2	
67724	1	75-1500	221-1106	-	-	1800	70	65	35		9,5	

12M



COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	Cable para la comunicación de datos / *Cable for data communication* / Transmission de données
67685	±2,5%	±3,5%	0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm	50	-	-
67686						
67688			0,1 N.m / 0,1Lb.ft			
67721			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm	250	●	●
67722						
67724			0,1 N.m / 0,1Lb.ft			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dientes / *Teeth* / Dents	48
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Modo de operación / *Operation mode* / Mode d'opération	Peak/Track*
Unidades de medida / *Unit selection* / Unités de mesure	
67685	N.m / Lb.ft / Lb.in / Kg.cm
67686	N.m / Lb.ft / Lb.in / Kg.cm
67721	N.m / Lb.ft / Lb.in / Kg.cm
67722	N.m / Lb.ft / Lb.in / Kg.cm
67688	N.m / Lb.ft
67724	N.m / Lb.ft
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	●
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año / *1 year* / 1 année
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C

*** : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión** / *Track mode: Direct torque value - Peak mode: Max. torque Value* / **Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion**

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

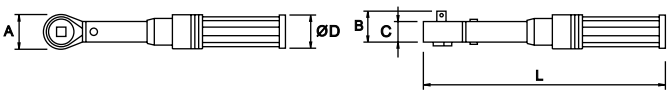
COD.	Descripción / *Description* / Description	L (m)
57573	Cable USB / *USB cable* / Càble USB	1,2



• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

LLAVE DINAMOMÉTRICA MINI REVERSIBLE ANALÓGICA / *ANALOGIC REVERSIBLE MINI TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE ANALOGIQUE MINI RÉVERSIBLE / *ANALOGE UMKEHRBARE MINI DREHMOMENTSCHLÜSSEL* / CHIAVE MINI DINAMOMETRICA ANALOGICA REVERSIBILE / *CHAVE DINAMOMÉTRICA MINI REVERSÍVEL ANALÓGICA* / РЕВЕРСИВНЫЙ АНАЛОГОВЫЙ МИНИ-ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



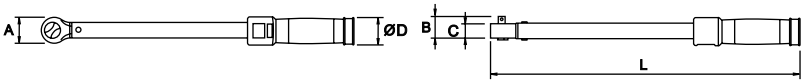
COD.	AF inch	N.m	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg
62982	1/4	1-5	185	28	25	15	26	0,35

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	4%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dientes / *Teeth* / Dents	45
Estuche individual / *Individual case* / Étui individuel	●

LLAVE DINAMOMÉTRICA REVERSIBLE ANALÓGICA / *ANALOGIC REVERSIBLE TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE ANALOGIQUE RÉVERSIBLE / *ANALOGE UMKEHRBARE DREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA ANALOGICA REVERSIBILE / *CHAVE DINAMOMÉTRICA REVERSÍVEL ANALÓGICA* / РЕВЕРСИВНЫЙ АНАЛОГОВЫЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	AF inch	N.m	Lb.ft	Lb.in	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
62951	1/4	2.5-12	-	20-105	290	28	30	19	38	0,8	1
62952		4-20		30-180							
65871		-		35-180	230						
62965	3/8	6-30		50-250	320	37	40	25		0,9	
65872		-		120-450	380	40	44			1,3	
62953		25-125	20-90	-			40				
57686	1/2	10-70	-	100-600	440	38	41			0,9	
62954		25-125	20-90	-			44			1,3	
65873		-	-	350-1800	520	40				1,4	
62963		40-200	30-150	-	460						
62968		65-335	50-250		520					1,5	
65918		-	-	1000-3000							
62983		80-400	60-300	-	750					1,9	
62969	3/4	160-800	120-600		1040	60	66	39		8,5	
62976	1	200-1000	150-750			72	82	40		12	
62977		300-1500	200-1100		1250						
62978		400-2000	300-1500								
62979		600-3000	400-2200							13	

12M | Kit de reparación disponible / *Repair kit available* / Kit de réparation disponible



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	3%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dientes / *Teeth* / Dents	45
Estuche individual / *Individual case* / Étui individuel	●

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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BARRA DE EXTENSIÓN PARA LLAVE DINAMOMÉTRICA / *EXTENSION BAR FOR TORQUE WRENCH* / RALLONGE POUR CLÉ DYNAMOMÉTRIQUE / *VERLÄNGERUNG F/ DREHMOMENTSCHLÜSSEL* / BARRA ESTENSIBILE PER CHIAVE DINAMOMETRICA / *EXTENSÃO PARA CHAVE DINAMOMÉTRICA* / УДЛИНИТЕЛЬ ДЛЯ ДИНАМОМЕТРИЧЕСКОГО КЛЮЧА

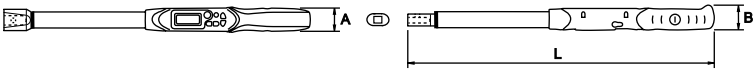
COD.	L (mm)	O.D. mm	Válido para / *Valid for* / Valable pour	Kg	
56497	1100	38	62977, 62978, 56494, 56495	3,4	1
56498		40,5	62979, 56496	4,7	



LLAVE DINAMOMÉTRICA DE CABEZAS INTERCAMBIABLES / *INTERCHANGEABLE HEAD TORQUE WRENCHES* / CLÉ DYNAMOMÉTRIQUE À TÊTES INTERCHANGEABLES / *AUSWECHSELBARE KOPFDREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA CON TESTE INTERCAMBIABILI / *CHAVE DINAMOMÉTRICA DE CABEÇAS INTERCAMBIÁVEIS* / ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ СО СМЕННЫМИ НАСАДКАМИ

9 × 12

DIGITAL / *DIGITAL* / **DIGITAL** / *DIGITAAL* / **DIGITALE** / *DIGITAL* / **ЦИФРОВОЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ**



COD.	mm	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	Kg	
57585	9 x 12	1,5-30	1-22	13-265	15-306	360	39	44	1,4	1
57586		6,8-135	5-100	60-1195	69-1378	375			1,6	
57589		1,5-30	1-22	13-265	15-306	360			1,4	
57590		6,8-135	5-100	60-1195	69-1378	375			1,6	



12M

COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	Cable para la comunicación de datos / *Cable for data communication* / Transmission de données
57585	±2%	±3%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm	50	-	-
57586			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			
57589	±1%	±2%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm	250	●	●
57590			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Modo de operación / *Operation mode* / Mode d'opération	Peak/Track*
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.ft / Lb.in / Kg.cm
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	
57585	-
57586	-
57589	●
57590	●
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año / *1 year* / 1 année
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	9 x 12 mm

*** : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión** / *Track mode: Direct torque value - Peak mode: Max. torque Value* / **Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion**

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	L (m)
57573	Cable USB / *USB cable* / Câble USB	1,2

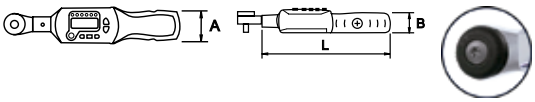




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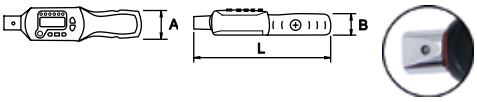
DIGITAL MINI / *DIGITAL MINI* / DIGITALE MINI / *DIGITALER MINI* / DIGITALE MINI / *DIGITAL MINI* / ЦИФРОВОЙ МИНИ



COD.	AF inch	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	Kg	
57541	1/4	1,5-30	1-22	13-265	15-306	225	39	44	1,4	1
57543	3/8	4,2-85	3,1-63	37-752	43-867	270			1,5	

12M





COD.	mm	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	Kg	
57542	9x12	1,5-30	1-22	13-265	15-306	225	39	44	1,2	1
57544		4,2-85	3,1-63	37-752	43-867	270			1,3	

12M



COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	Cable para la comunicación de datos / *Cable for data communication* / Transmission de données
57541	±2	±3	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm	250	•	•
57543			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			
57542			0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm			
57544			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dientes / *Teeth* / Dents	
57541	52
57543	52
57542	-
57544	-
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Modo de operación / *Operation mode* / Mode d'opération	Peak/Track*
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.ft / Lb.in / Kg.cm
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	●
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AAA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año / *1 year* / 1 année
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C

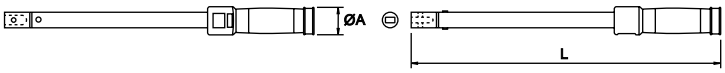
*** : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión** / ***Track mode: Direct torque value - Peak mode: Max. torque Value*** / **Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion**

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	L (m)
57573	Cable USB / *USB cable* / Câble USB	1,2



ANALÓGICA / *ANALOGIC* / ANALOGIQUE / *ANALOG* / ANALOGICO / *ANALÓGICA* / АНАЛОГОВЫЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	mm	N.m	Lb.ft	Lb.in	L (mm)	A (mm)	Kg	
56220	9 x 12	2,5-12	-	20-105	280	38	0,5	1
56242		4-20		30-180				
56221		6-30		50-250	300		0,6	
56245		10-70		100-600	370		0,7	
56222		25-125	20-90	-	420		0,8	



12M | **Kit de reparación disponible** / ***Repair kit available*** / **Kit de réparation disponible**

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	3%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	9 x 12 mm
Sistema de cabezas fijas + carraca + estrella + estrella abierta + ajustable / *Ratchet + open head + box head + box open head system + adjustable* / Système de têtes cliquet + fixes + polygonale + polygonale ouverte + à molette	●
Estuche individual / *Individual case* / Étui individuel	●

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

CABEZAS INTERCAMBIABLES / *INTERCHANGEABLE HEADS* / TÊTES INTERCHANGEABLES / *AUSWECHSELBARE KÖPFE* / TESTE INTERCAMBIABILI / *CABEÇAS INTERCAMBIÁVEIS* / СМЕННЫЕ НАСАДКИ ДЛЯ ДИНАМОМЕТРИЧЕСКОГО КЛЮЧА

CABEZAS FIJAS / *OPEN HEADS* / TÊTES À FOURCHES / *OFFENE KÖPFE* / TESTE FISSE / *PONTEIRAS DE BOCA* / НАСАДКИ РОЖКОВЫЕ

MM



COD.	AF mm	mm
56250	7	9 x 12
56251	8	
56252	9	
56253	10	
56254	11	
56255	12	
56256	13	
56257	14	
56258	15	
56259	16	
56260	17	
56261	18	
56262	19	

INCH



COD.	AF inch	mm
56445	1/4	9 x 12
56446	5/16	
56447	3/8	
56448	7/16	
56449	1/2	
56450	9/16	
56451	5/8	
56452	11/16	
56453	3/4	

CABEZAS AJUSTABLES / *ADJUSTABLE HEADS* / TÊTES À MOLETTE / *VERSTELLBARE KÖPFE* / TESTE REGOLABILI / *PONTEIRAS AJUSTÁVEIS* / НАСАДКИ - РАЗВОДНЫЙ КЛЮЧ



COD.	CAP. (mm)	mm
56291	5-30	9 x 12

CABEZAS CARRACA / *RATCHET HEADS* / TÊTES À CLIQUET / *RATSCHENKÖPFE* / TESTE A CRICCO / *PONTEIRAS DE ROQUETE* / НАСАДКИ ТРЕЩОТОЧНЫЕ



COD.	AF inch	Dientes / *Teeth* / Dents	mm
57563	1/4	52	9 x 12
57564	3/8		
57562	1/2		



COD.	AF inch	Dientes / *Teeth* / Dents	mm
56246	1/4	45	9 x 12
56247	3/8		
56248	1/2		



COD.	AF inch	Dientes / *Teeth* / Dents	mm
57595	1/4	52	9 x 12
57596	3/8		
57597	1/2		



COD.	AF inch	Dientes / *Teeth* / Dents	mm
59084	1/4	72	9 x 12
59085	3/8		
59086	1/2		

CABEZAS ESTRELLA / *BOX HEADS* / TÊTES POLYGONALES / *BOX KÖPFE* / TESTE POLIGONALI / *PONTEIRAS DE LUNETA* / НАСАДКИ НАКИДНЫЕ

MM



COD.	AF mm	mm
56264	7	9 x 12
56265	8	
56266	9	
56267	10	
56268	11	
56269	12	
56270	13	
56271	14	
56272	15	
56273	16	
56274	17	
56275	18	
56276	19	
56277	21	
56278	22	
56294	24	

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

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INCH

COD.	AF inch	mm
56454	5/16	9 x 12
56444	1/4	
56455	3/8	
56456	7/16	
56457	1/2	
56458	9/16	
56459	5/8	
56460	11/16	
56461	3/4	
56462	13/16	
56463	7/8	



CABEZAS ESTRELLA ABIERTA / *BOX OPEN HEADS* / TÊTES POLYGONALES OUVERTES / *BOX OFFENE KÖPFE* / TESTE POLIGONALI APERTE / *PONTEIRAS DE LUNETA ABERTA* / НАСАДКИ НАКИДНЫЕ С РАЗРЕЗОМ

MM

COD.	AF mm	mm
56279	10	9 x 12
56280	11	
56281	12	
56282	13	
56283	14	
56284	16	
56285	17	
56286	18	
56287	19	
56288	21	
56289	22	
56293	24	



INCH

N!

COD.	AF inch	mm
59065	3/8	9 x 12
59066	7/16	
59067	1/2	
59068	9/16	
59069	5/8	
59070	11/16	
59071	3/4	



CABEZAS PORTAPUNTAS / *HEX BIT HOLDER HEADS* / ACCESOIRES PORTE-EMBOUTS / *HEX-BIT-HALTERKÖPFE* / TESTE PORTAINSERTI / *CABEÇAS PORTA-PONTAS* / ГОЛОВКИ-ДЕРЖАТЕЛИ БИТ

N!

COD.	inch	mm
59072	1/4	9 x 12
59073	5/16	



CABEZAS PORTAPUNTAS REVERSIBLES / *REVERSIBLE HEX BIT HOLDER HEADS* / ACCESOIRES PORTE-EMBOUTS RÉVERSIBLE / *UMKEHRBARE SECHSKANT-BIT-HALTERKÖPFE* / TESTE PORTAINSERTI REVERSIBILI / *CABEÇAS PORTA-PONTAS REVERSÍVEIS* / РЕВЕРСИВНЫЕ ГОЛОВКИ-ДЕРЖАТЕЛИ БИТ

N!

COD.	inch	mm
59076	1/4	9 x 12
59077	5/16	



INSERTO SOLDABLE / *WELD-ON HEAD* / EMBOUT À SOUDER / *SCHWEISSKOPF* / GHIERA SALDABILE / *INSERÇÃO SOLDÁVEL* / ПРИВАРНАЯ ВСТАВКА

N!

COD.	mm
59082	9 x 12



ADAPTADORES / *ADAPTERS* / ADAPTATEUR / *ADAPTER* / ADATTATORI / *ADAPTADORES* / ПЕРЕХОДНИКИ

N!

COD.	AF inch		L (mm)	g
59114	9 x 12	14 x 18	45	22

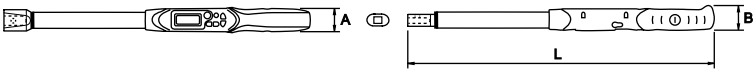


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14 × 18

DIGITAL / *DIGITAL* / DIGITAL / *DIGITAAL* / DIGITALE / *DIGITAL* / ЦИФРОВОЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	mm	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	Kg	
57587	14 x 18	10-200	7-148	88-1770	102-2041	470	39	44	1,8	1
57588		17-340	12-251	150-3009	173-3469	590			1,9	
57591		10-200	7-148	88-1770	102-2041	470			1,8	
57592		17-340	12-251	150-3009	173-3469	590			1,9	



12M

COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	Cable para la comunicación de datos / *Cable for data communication* / Transmission de données
57587	±2%	±3%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm	50	-	-
57588			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			
57591	±1%	±2%	0,01 N.m / 0,01 Lb.ft / 0,1 Lb.in / 0,1 Kg.cm	250	●	●
57592			0,1 N.m / 0,1 Lb.ft / 1 Lb.in / 1 Kg.cm			

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Modo de operación / *Operation mode* / Mode d'opération	Peak/Track*
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.ft / Lb.in / Kg.cm
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	
57587	-
57588	-
57591	●
57592	●
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	●
Baterías / *Batteries* / Piles	AA x 2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	110 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año / *1 year* / 1 année
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C ~ 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	14 x 18 mm

*** : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión** / *Track mode: Direct torque value - Peak mode: Max. torque Value* / **Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion**

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	L (m)
57573	Cable USB / *USB cable* / Càble USB	1,2



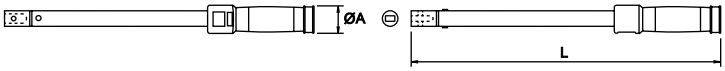
• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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COD.	mm	N.m	Lb.ft	L (mm)	A (mm)	Kg	
56223	14 x 18	40-200	30-150	460	38	0,9	1
56249		65-335	50-250	520		1,1	
56224		80-400	60-300	700		1,9	

12M Kit de reparación disponible / *Repair kit available* / Kit de réparation disponible



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	3%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	14 x 18 mm
Sistema de cabezas fijas + carraca + estrella + estrella+ ajustable / *Ratchet + open head + box head + adjustable* / Système de têtes cliquet + fixes + polygonale + à molette	●
Estuche individual / *Individual case* / Étui individuel	●

CABEZAS INTERCAMBIABLES / *INTERCHANGEABLE HEADS* / TÊTES INTERCHANGEABLES / *AUSWECHSELBARE KÖPFE* / TESTE INTERCAMBIABILI / *CABEÇAS INTERCAMBIÁVEIS* / СМЕННЫЕ НАСАДКИ ДЛЯ ДИНАМОМЕТРИЧЕСКОГО КЛЮЧА

CABEZAS FIJAS / *OPEN HEADS* / TÊTES À FOURCHES / *OFFENE KÖPFE* / TESTE FISSE / *PONTEIRAS DE BOCA* / НАСАДКИ РОЖКОВЫЕ

MM

COD.	AF mm	mm
64869	8	14 x 18
64870	9	
64871	10	
64872	11	
64873	12	
65369	13	
65370	14	
65371	15	
65372	16	
65373	17	
65374	18	
65375	19	
65376	21	
65377	22	
59058	23	
65378	24	
59059	25	
65379	26	
65380	27	
65381	29	
65382	30	
65383	32	
59061	34	
59062	36	
59063	38	
59064	41	



INCH

COD.	AF inch	mm
59080	7/16	14 x 18
56464	1/2	
56465	9/16	
56466	5/8	
56467	11/16	
56468	3/4	
56469	13/16	
56470	7/8	
56471	15/16	
56472	1	
59081	1.1/16	
56473	1.1/8	
56474	1.1/4	



CABEZAS AJUSTABLES / *ADJUSTABLE HEADS* / TÊTES À MOLETTE / *VERSTELLBARE KÖPFE* / TESTE REGOLABILI / *PONTEIRAS AJUSTÁVEIS* / НАСАДКИ - РАЗВОДНЫЙ КЛЮЧ

COD.	CAP. (mm)	mm
56292	10-41	14 x 18



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

CABEZAS CARRACA / *RATCHET HEADS* / TÊTES À CLIQUET / *RATSCHENKÖPFE* / TESTE A CRICCO / *PONTEIRAS DE ROQUETE* / НАСАДКИ ТРЕЩОТОЧНЫЕ

COD.	AF inch	Dientes / *Teeth* / Dents	mm
65384	3/8	24	14 x 18
65385	1/2		
56290	3/4	45	



COD.	AF inch	Dientes / *Teeth* / Dents	mm
57598	1/2	52	14 x 18
57599	3/4		



COD.	AF inch	Dientes / *Teeth* / Dents	mm
57572	1/2	52	14 x 18



COD.	AF inch	Dientes / *Teeth* / Dents	mm
59087	3/8	72	14 x 18
59088	1/2		
59089	3/4		



CABEZAS ESTRELLA / *BOX HEADS* / TÊTES POLYGONALES / *BOX KÖPFE* / TESTE POLIGONALI / *PONTEIRAS DE LUNETA* / НАСАДКИ НАКИДНЫЕ

MM

COD.	AF mm	mm
64875	13	14 x 18
64876	14	
64877	15	
64878	16	
64879	17	
64880	18	
64881	19	
64882	21	
64883	22	
64884	24	
64885	27	
56540	28	
64886	30	
64887	32	
56541	34	
56542	36	
56543	41	



INCH

COD.	AF inch	mm
56443	7/16	14 x 18
56475	1/2	
56476	9/16	
56477	5/8	
56478	11/16	
56479	3/4	
56480	13/16	
56481	7/8	
56482	15/16	
56483	1	



CABEZAS PORTAPUNTAS / *HEX BIT HOLDER HEADS* / ACCESOIRES PORTE-EMBOUTS / *HEX-BIT-HALTERKÖPFE* / TESTE PORTAINSERTI / *CABEÇAS PORTA-PONTAS* / ГОЛОВКИ-ДЕРЖАТЕЛИ БИТ

COD.	inch	mm
59075	5/16	14 x 18



CABEZAS PORTAPUNTAS REVERSIBLES / *REVERSIBLE HEX BIT HOLDER HEADS* / ACCESOIRES PORTE-EMBOUTS RÉVERSIBLE / *UMKEHRBARE SECHSKANT-BIT-HALTERKÖPFE* / TESTE PORTAINSERTI REVERSIBILI / *CABEÇAS PORTA-PONTAS REVERSÍVEIS* / РЕВЕРСИВНЫЕ ГОЛОВКИ-ДЕРЖАТЕЛИ БИТ

COD.	inch	mm
59078	1/4	14 x 18
59079	5/16	



INSERTO SOLDABLE / *WELD-ON HEAD* / EMBOUT À SOUDER / *SCHWEISSKOPF* / GHIERA SALDABILE / *INSERÇÃO SOLDÁVEL* / ПРИВАРНАЯ ВСТАВКА

COD.	mm
59083	14 x 18



ADAPTADORES / *ADAPTERS* / ADAPTATEURS / *ADAPTER* / ADATTATORI / *ADAPTADORES* / ПЕРЕХОДНИКИ

COD.	AF inch		L (mm)	g
59115	14 x 18	9 x 12	50	32
59117		24 x 32	80	900

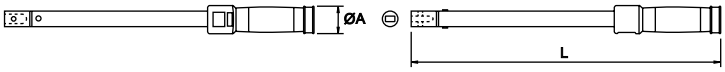


• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

EGA TORK

24 × 32

ANALÓGICA / *ANALOGIC* / ANALOGIQUE / *ANALOG* / ANALOGICO / *ANALÓGICA* / АНАЛОГОВЫЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	mm	N.m	Lb.ft	L (mm)	A (mm)	Kg	
56225	24 x 32	100-500	80-400	700	38	2,8	1
62946		120-800	80-600	1040		4,9	
62947		200-1000	150-750				

12M Kit de reparación disponible / *Repair kit available* / Kit de réparation disponible



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	3%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	24 x 32 mm
Sistema de cabezas fijas + carraca + estrella + estrella abierta + ajustable / *Ratchet + open head + box head + box open head system + adjustable* / Système de têtes cliquet + fixes + polygonale + polygonale ouverte + à molette	●
Estuche individual / *Individual case* / Étui individuel	●

CABEZAS INTERCAMBIABLES / *INTERCHANGEABLE HEADS* / TÊTES INTERCHANGEABLES / *AUSWECHSELBARE KÖPFE* / TESTE INTERCAMBIABILI / *CABEÇAS INTERCAMBIÁVEIS* / СМЕННЫЕ НАСАДКИ ДЛЯ ДИНАМОМЕТРИЧЕСКОГО КЛЮЧА

CABEZAS FIJAS / *OPEN HEADS* / TÊTES À FOURCHES / *OFFENE KÖPFE* / TESTE FISSE / *PONTEIRAS DE BOCA* / НАСАДКИ РОЖКОВЫЕ

MM

COD.	AF mm	mm
68242	20	24 x 32
68243	24	
68244	27	
68245	28	
68246	30	
68247	32	
68248	34	
68249	36	
68250	38	
68251	41	
68252	45	
68253	46	
68254	50	
68255	55	
68256	60	
68257	65	
68258	67	
68259	70	
57097	80	



INCH

COD.	AF inch	mm
56484	5/8	24 x 32
56485	3/4	
56486	7/8	
56487	1.1/8	
56488	1.3/4	
56489	2.1/4	



CABEZAS CARRACA / *RATCHET HEADS* / TÊTES À CLIQUET / *RATSCHENKÖPFE* / TESTE A CRICCO / *PONTEIRAS DE ROQUETE* / НАСАДКИ ТРЕЩОТОЧНЫЕ

COD.	AF inch	Dientes / *Teeth* / Dents	mm
68240	3/4	45	24 x 32
68241	1		



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

CABEZAS ESTRELLA / *BOX HEADS* / TÊTES POLYGONALES / *BOX KÖPFE* / TESTE POLIGONALI / *PONTEIRAS DE LUNETA* / НАСАДКИ НАКИДНЫЕ

MM

COD.	AF mm	mm
68260	24	
68261	30	
68262	32	
68263	34	
68264	36	
68265	38	
68266	41	24 x 32
68267	46	
68268	50	
68269	55	
68270	60	
68271	65	
68272	70	



INCH

COD.	AF inch	mm
56490	15/16	24 x 32
56491	1.1/8	



CABEZAS ESTRELLA ABIERTA / *BOX OPEN HEADS* / TÊTES POLYGONALES OUVERTES / *BOX OFFENE KÖPFE* / TESTE POLIGONALI APERTE / *PONTEIRAS DE LUNETA ABERTA* / НАСАДКИ НАКИДНЫЕ С РАЗРЕЗОМ

MM

COD.	AF mm	mm
68273	19	
68274	30	
68275	32	
68276	36	24 x 32
68277	38	
68278	50	
68279	70	



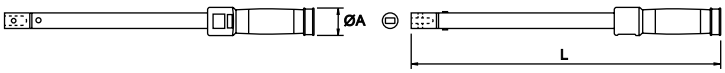
ADAPTADORES / *ADAPTERS* / ADAPTATEURS / *ADAPTER* / ADATTATORI / *ADAPTADORES* / ПЕРЕХОДНИКИ

COD.	AF inch	■	L (mm)	g
59116	24 x 32	14 x 18	90	500
59119		27 x 36	105	1250



27 × 36

ANALÓGICA / *ANALOGIC* / ANALOGIQUE / *ANALOG* / ANALOGICO / *ANALÓGICA* / АНАЛОГОВЫЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	■ mm	N.m	Lb.ft	L (mm)	A (mm)	Kg	
56494	27 x 36	300-1500	200-1100	1250	38	11	1
56495		400-2000	300-1500				
56496		600-3000	400-2200			12	

12M | Kit de reparación disponible / *Repair kit available* / Kit de réparation disponible



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	3%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	27 x 36 mm
Sistema de cabezas fijas + carraca + estrella + estrella abierta + ajustable / *Ratchet + open head + box head + box open head system + adjustable* / Système de têtes cliquet + fixes + polygonale + polygonale ouverte + à molette	●
Estuche individual / *Individual case* / Étui individuel	●

BARRA DE EXTENSIÓN PARA LLAVE DINAMOMÉTRICA / *EXTENSION BAR FOR TORQUE WRENCH* / RALLONGE POUR CLÉ DYNAMOMÉTRIQUE / *VERLÄNGERUNG F/ DREHMOMENTSCHLÜSSEL* / BARRA ESTENSIBILE PER CHIAVE DINAMOMETRICA / *EXTENSÃO PARA CHAVE DINAMOMÉTRICA* / УДЛИНИТЕЛЬ ДЛЯ ДИНАМОМЕТРИЧЕСКОГО КЛЮЧА

COD.	L (mm)	O.D. mm	Válido para / *Valid for* / Valable pour	Kg	
56497	1100	38	62977, 62978, 56494, 56495	3,4	1
56498		40,5	62979, 56496	4,7	



• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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CABEZAS FIJAS / *OPEN HEADS* / TÊTES À FOURCHES / *OFFENE KÖPFE* / TESTE FISSE / *PONTEIRAS DE BOCA*

MM

COD.	AF mm	mm
56510	41	27 x 36
56511	46	
56512	50	
56513	55	
56514	60	
56515	61	
56516	65	
56517	70	
56518	75	
56519	80	
56520	90	
56521	95	



CABEZAS CARRACA / *RATCHET HEADS* / TÊTES À CLIQUET / *RATSCHENKÖPFE* / TESTE A CRICCO / *PONTEIRAS DE ROQUETE* / НАСАДКИ ТРЕЩОТОЧНЫЕ

COD.	AF inch	Dientes / *Teeth* / Dents	mm
56539	1	45	27 x 36



CABEZAS ESTRELLA / *BOX HEADS* / TÊTES POLYGONALES / *BOX KÖPFE* / TESTE POLIGONALI / *PONTEIRAS DE LUNETA* / НАСАДКИ НАКИДНЫЕ

MM

COD.	AF mm	mm
56522	30	27 x 36
56523	32	
56524	34	
56525	36	
56526	38	
56527	41	
56528	46	
56529	50	
56530	55	
56531	60	
56532	65	
56533	70	
56534	75	
56535	80	



CABEZAS ESTRELLA ABIERTA / *BOX OPEN HEADS* / TÊTES POLYGONALES OUVERTES / *BOX OFFENE KÖPFE* / TESTE POLIGONALI APERTE / *PONTEIRAS DE LUNETA ABERTA* / НАСАДКИ НАКИДНЫЕ С РАЗРЕЗОМ

MM

COD.	AF mm	mm
56536	30	27 x 36
56537	32	
56538	36	



ADAPTADORES / *ADAPTERS* / ADAPTATEURS / *ADAPTER* / ADATTATORI / *ADAPTADORES* / ПЕРЕХОДНИКИ

N!

COD.	AF inch	■	L (mm)	g
59118	27 x 36	24 x 32	105	1150

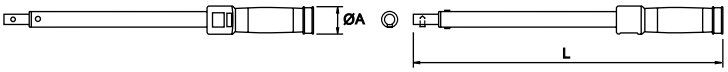


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Ø16

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COD.	Conexión / *Connection* / Connexion	N.m	Lb.ft	L (mm)	A (mm)	g	
66001	Ø16	2,5-12	20-105	285	38	440	1
66002		6,0-30	50-250	300		580	
66003		10,0-60	9,0-45	370		720	
66004		40-200	30-150	450		920	
66005		65-335	50-250	510		1060	
66006		80-400	60-300	635		1850	



12M Kit de reparación disponible / *Repair kit available* / Kit de réparation disponible

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	4%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	Ø16
Sistema de cabezas fijas + carraca + estrella + estrella abierta / *Ratchet + open head + box head + box open head system* / Système de têtes cliquet + fixes + polygonale + polygonale ouverte	●
Estuche individual / *Individual case* / Étui individuel	●

CABEZAS INTERCAMBIABLES / *INTERCHANGEABLE HEADS* / TÊTES INTERCHANGEABLES / *AUSWECHSELBARE KÖPFE* / TESTE INTERCAMBIABILI / *CABEÇAS INTERCAMBIÁVEIS* / СМЕННЫЕ НАСАДКИ ДЛЯ ДИНАМОМЕТРИЧЕСКОГО КЛЮЧА

CABEZAS CARRACA / *RATCHET HEADS* / TÊTES À CLIQUET / *RATSCHENKÖPFE* / TESTE A CRICCO / *PONTEIRAS DE ROQUETE* / НАСАДКИ ТРЕЩОТОЧНЫЕ

COD.	AF inch	Dientes / *Teeth* / Dents	Conexión / *Connection* / Connexion
66008	1/4	45	Ø16
66009	3/8		
66010	1/2		



CABEZAS FIJAS / *OPEN HEADS* / TÊTES À FOURCHES / *OFFENE KÖPFE* / TESTE FISSE / *PONTEIRAS DE BOCA* / НАСАДКИ РОЖКОВЫЕ

MM

COD.	AF mm	Conexión / *Connection* / Connexion
66044	7	Ø16
66045	8	
66046	9	
66197	10	
66198	11	
66199	12	
66200	13	
66201	14	
66202	15	
66203	16	
66204	17	
66205	18	
66206	19	
66207	20	
66208	21	
66209	22	
66210	23	



COD.	AF mm	Conexión / *Connection* / Connexion
66211	24	Ø16
66212	25	
66213	26	
66214	27	
66215	28	
66216	29	
66217	30	
66218	31	
66219	32	
66220	36	
66221	41	
66222	46	
66223	50	

INCH

COD.	AF inch	Conexión / *Connection* / Connexion
66230	1/2	Ø16
66231	9/16	
66232	5/8	
66233	11/16	
66234	3/4	
66235	13/16	
66236	7/8	
66237	15/16	
66238	1	
66239	1.1/16	



• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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CABEZAS ESTRELLA / *BOX HEADS* / TÊTES POLYGONALES / *BOX KÖPFE* / TESTE POLIGONALI / *PONTEIRAS DE LUNETA* / НАСАДКИ НАКИДНЫЕ

MM



COD.	AF mm	Conexión / *Connection* / Connexion
66011	7	Ø16
66012	8	
66013	9	
66014	10	
66015	11	
66016	12	
66017	13	
66018	14	
66019	15	
66020	16	
66021	17	
66022	18	
66023	19	
66024	20	
66025	21	
66026	22	
66027	23	
66028	24	
66029	25	
66030	26	
66031	27	
66032	28	
66033	29	
66034	30	
66035	31	
66036	32	

INCH



COD.	AF inch	Conexión / *Connection* / Connexion
66042	1/4	Ø16
66043	1.1/8	

CABEZAS ESTRELLA ABIERTA / *BOX OPEN HEADS* / TÊTES POLYGONALES OUVERTES / *BOX OFFENE KÖPFE* / TESTE POLIGONALI APERTE / *PONTEIRAS DE LUNETA ABERTA* / НАСАДКИ НАКИДНЫЕ С РАЗРЕЗОМ

MM



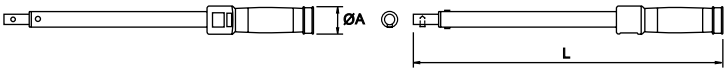
COD.	AF mm	Conexión / *Connection* / Connexion
62001	7	Ø16
62002	8	
62003	9	
62004	10	
62005	11	
62006	12	
62007	13	
62008	14	
62009	15	
62010	16	
62011	17	
62012	18	
62013	19	
62014	20	
62015	21	
62016	22	
62017	23	
62018	24	
62019	25	
62020	26	
62021	27	
62022	28	
62023	29	
62024	30	
62025	32	

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ANALÓGICA / *ANALOGIC* / ANALOGIQUE / *ANALOG* / ANALOGICO / *ANALÓGICA* / АНАЛОГОВЫЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	Conexión / *Connection* / Connexion	N.m	Lb.ft	L (mm)	A (mm)	Kg	
66007	Ø22	200-1000	150-750	990	38	4,2	1

12M | Kit de reparación disponible / *Repair kit available* / Kit de réparation disponible



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	4%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dimensiones unión / *Joint Dimensions* / Dimension de l'union	Ø22
Sistema de cabezas fijas + estrella + estrella abierta / *Open head + box head + box open head system* / Système de têtes fixes + polygonale + polygonale ouverte	●
Estuche individual / *Individual case* / Étui individuel	●

CABEZAS INTERCAMBIABLES / *INTERCHANGEABLE HEADS* / TÊTES INTERCHANGEABLES / *AUSWECHSELBARE KÖPFE* / TESTE INTERCAMBIABILI / *CABEÇAS INTERCAMBIÁVEIS* / СМЕННЫЕ НАСАДКИ ДЛЯ ДИНАМОМЕТРИЧЕСКОГО КЛЮЧА

CABEZAS CARRACA / *RATCHET HEADS* / TÊTES À CLIQUET / *RATSCHENKÖPFE* / TESTE A CRICCO / *PONTEIRAS DE ROQUETE* / НАСАДКИ ТРЕЩОТОЧНЫЕ

INCH

COD.	AF inch	Conexión / *Connection* / Connexion
66260	1	Ø22



CABEZAS FIJAS / *OPEN HEADS* / TÊTES À FOURCHES / *OFFENE KÖPFE* / TESTE FISSE / *PONTEIRAS DE BOCA* / НАСАДКИ РОЖКОВЫЕ

MM

COD.	AF mm	Conexión / *Connection* / Connexion
66224	30	Ø22
66225	32	
66226	36	
66227	41	
66228	46	
66229	50	



CABEZAS ESTRELLA / *BOX HEADS* / TÊTES POLYGONALES / *BOX KÖPFE* / TESTE POLIGONALI / *PONTEIRAS DE LUNETA* / НАСАДКИ НАКИДНЫЕ

MM

COD.	AF mm	Conexión / *Connection* / Connexion
66037	30	Ø22
66038	32	
66039	36	
66040	41	
66041	46	



CABEZAS ESTRELLA ABIERTA / *BOX OPEN HEADS* / TÊTES POLYGONALES OUVERTES / *BOX OFFENE KÖPFE* / TESTE POLIGONALI APERTE / *PONTEIRAS DE LUNETA ABERTA* / НАСАДКИ НАКИДНЫЕ С РАЗРЕЗОМ

INCH

COD.	AF inch	Conexión / *Connection* / Connexion
62026	1.7/16	Ø22
62027	1.5/8	



• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

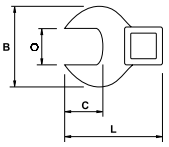
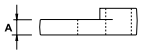
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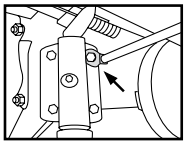
EGATORK

LLAVE FIJA CROWFOOT / *OPEN END CROWFOOT WRENCH* / CLÉ À FOURCHE CROWFOOT / *EINSTECK-MAULSCHLÜSSEL* / CHIAVE FISSA CROWFOOT / *PONTEIRA DE BOCA COM QUADRADO INTERIOR* / РОЖКОВЫЙ КЛЮЧ С КВАДРАТОМ

1/4"

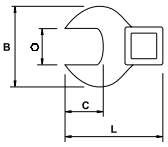
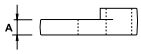
MM

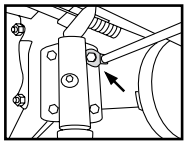





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57211	7	30	6	25	6	70	10	●
57212	8	31		26	7			
57213	9	33		28	8	75		
57214	10	35		30	9			
57215	11	36	7	31	11	90		
57216	12	38		34	12	95		
57217	13	39		35	13			

INCH

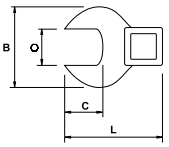
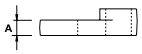



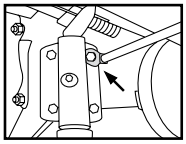


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57218	5/16	31	6	26	7	70	10	●
57219	3/8	33		28	8	75		
57220	7/16	35		30	9			
57221	1/2	38	7	34	12	92		
57222	9/16	39		36	14	100		

3/8"

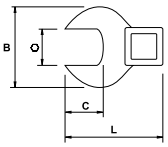
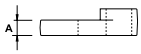
MM

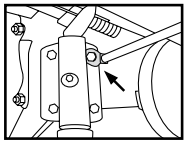





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55710	10	36	6	24	10	28	10	●
55711	11	39	6,5	26	13			
55712	12			27		35		
55713	13	40	7,2	28	14	40		
55714	14	42	8,3	30	15	41		
55715	15	46	8,4	34	16	50		
55716	16				17			
55717	17	48	8,8	36	18	56		
55718	19	50	9	40	21	62		
55719	21	55	9,5	46	22,5	80		
55720	22				23,5	100		
55721	24	65	10	54	25,5	140		
55722	25				26,5			
55723	27				28,5	200		

INCH



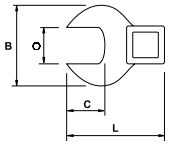
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
55724	3/8	36	6	24	10	28	10	●
55725	7/16	39	6,5	26				
55726	1/2	40	7,2	28	14	40		
55727	9/16	42	8,3	30		41		
55728	5/8	46	8,4	34	17	50		
55729	11/16	48	8,8	36	18	56		
55730	3/4	50	9	40	21	62		
55731	13/16	55	9,5	46	21,5	80		
55732	7/8				22,5	100		
55733	15/16	65	10	54	25,5	140		
55734	1				26,5			
55735	1.1/16				28,5	200		

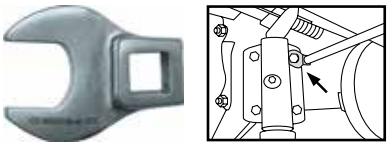
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1/2"

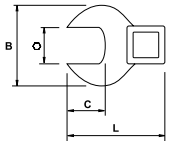
MM

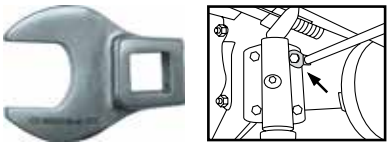




COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57224	20	50	12	42	19	150	10	•
57225	21							
57226	22	55		43	20			
57227	23			45	21	160		
57228	24			46	22			
57229	25	60		47	23			
57230	26			49	24	185		
57231	27			50	25	190		
57232	28	65			26	200		
57233	29			55	27			
57234	30	70		60	28	210		
57235	31				29	220		
57236	32				30	230		
57237	33			65	31	250		
57238	34	75			32	260		
57239	35			70	33			
57240	36				34	270		
57241	37				35			
57242	38	80	14	75	36	280		
57243	39				37	290		
57244	40	85		80	38	300		
57245	41				39	320		
57246	42				40			
57247	43	90		85	41	330		
57248	44				42	340		
57249	45				43	360		
57250	46	95	15	90	44	380		

INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57251	15/16	55	12	45	21	160	10	•
57252	1	60		47	23			
57253	1.1/16			50	25	190		
57254	1.1/8	65			26	200		
57255	1.3/16	70		60	28	210		
57256	1.1/4				30	230		
57257	1.5/16				65	31	250	
57258	1.3/8	75		70	33	260		
57259	1.7/16				34	270		
57260	1.1/2	80	14	75	36	280		
57261	1.9/16				37	290		
57262	1.5/8	85		80	39	320		
57263	1.11/16	90			41	330		
57264	1.3/4			84	42	340		
57265	1.13/16	95	15	90	44	380		
57266	1.7/8				45	400		
57267	1.15/16				46	430		
57268	2	100		95	49	460		
57269	2.1/16					480		
57270	2.1/8			100	50	500		
57271	2.3/16					600		
57272	2.1/4	105				650		
57273	2.5/16			105	55			
57274	2.3/8	110				700		
57275	2.7/16			110	60	750		
57276	2.1/2					850		

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

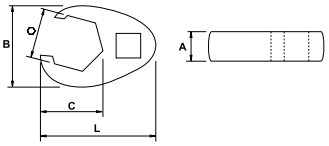
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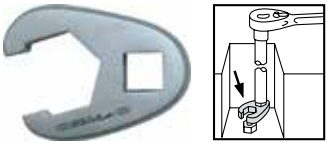
EGATORK

LLAVE HEXAGONAL CROWFOOT / *HEXAGONAL CROWFOOT WRENCH* / CLÉ MÂLE CROWFOOT / *SECHSKANT-EINSTECK-MAULSCHLÜSSEL* / CHIAVE ESAGONALE CROWFOOT / *PONTEIRA HEXAGONAL COM QUADRADO INTERIOR* / РОЖКОВЫЙ ШЕСТИГРАННЫЙ КЛЮЧ С КВАДРАТОМ

3/8"

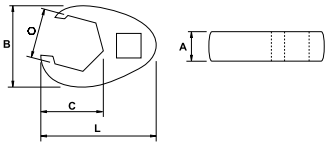
MM

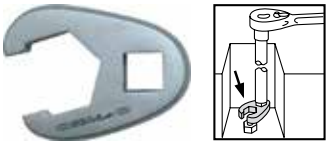




COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55736	10	38	7,8	31	16	28	10	●
55737	11							
55738	12		8		18	35		
55739	13					40		
55740	14	41	9	33	21	41		
55741	15					50		
55742	16							
55743	17	45	10,5	36	24	56		
55744	19	46			25	62		
55745	21	50	11	40	28,5	80		
55746	22					100		
55747	24	55	11,5	45	34	140		
55748	25							
55749	27					200		

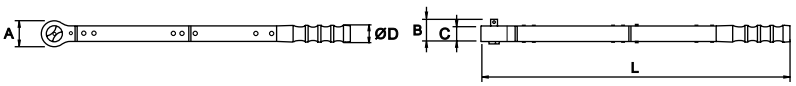
INCH





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
55750	3/8	38	7,8	31	16	28	10	●
55751	7/16							
55752	1/2		8		18	40		
55753	9/16	41	9	33	21	41		
55754	5/8					50		
55755	11/16	46	10,5	36	24	56		
55756	3/4				25	62		
55757	13/16	50	11	40	28,5	80		
55758	7/8					100		
55759	15/16	55	11,5	45	34	140		
55760	1							
55761	1.1/16					200		

LLAVE DINAMOMÉTRICA DE PAR PREFIJADO ANALÓGICA / *ANALOGIC PRESET TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE ANALOGIQUE À COUPLE PRÉSÉLECTIONNÉ / *ANALOGE VOREINGESTELLTE DREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA CON COPPIA PREFISSATA ANALOGICA / *CHAVE DINAMOMÉTRICA ANALÓGICA DE PAR PRE-FIXO* / ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ С ПРЕДУСТАНОВКОЙ МОМЕНТА



COD.	AF inch	N.m	Lb.ft	Lb.in	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
57535	1/4	2,5-12	1,8-8,8	20-105	185	30	31	16	30	0,4	1
57536	3/8	6-30	4,4-22	50-250	215	38	40	21		0,5	
57537		25-125	20-90	220-1100	365					0,8	
57538	1/2	65-335	50-250	575-2965	690	40	44			2,0	
57539	3/4	160-800	120-600	1410-7080	1035	57	62	32		5,0	
57540	1	200-1000	150-750	1770-8850	1260		77			6,0	



12M

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Par prefijado dentro de su rango de par a concretar por el cliente cuando se curse el pedido / *Preset torque within its torque range to be specified by the customer when the order is placed* / Couple présélectionné dans le rang de couple à préciser par le client au moment du traitement de la commande

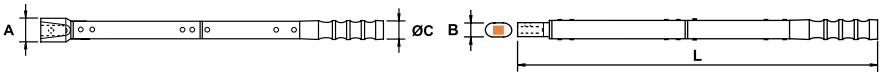
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	4%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dientes / *Teeth* / Dents	45
Estuche individual / *Individual case* / Étui individuel	●

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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LLAVE DINAMOMÉTRICA CABEZAS INTERCAMBIABLES DE PAR PREFIJADO / *INTERCHANGEABLE HEADS PRESET REVERSIBLE TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE TÊTES INTERCHANGEABLES DU COUPLE PRÉ-SÉLECTIONNÉES / *AUSTAUSCHBARE VOREINGESTELLTE KÖPFE FÜR UMKEHRBARE DREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA TESTE INTERCAMBIABILI CON SERRAGGIO PREFISSATO / *CHAVE DINAMOMÉTRICA DE CABEÇAS INTERCAMBIÁVEIS E PAR PRE-FIXO* / ДИНАМОНМЕТРИЧЕСКИЙ КЛЮЧ СО СМЕННЫМИ ГОЛОВКАМИ С ПРЕДУСТАНОВКОЙ МОМЕНТА





COD.	mm	N.m	Lb.ft	Lb.in		L (mm)	A (mm)	B (mm)	C (mm)	Kg	
58510	9 x 12	4-20	2,9-14,7	30-180	Mate / *Matt* / Mat	155	20	20	29	0,2	1
58511		15-85	12-60	130-750		310				0,5	
58512	14 x 18	50-300	40-225	440-2655		690	32	25		1,3	
58513	24 x 32	200-1000	150-750	1770-8850		1260	55	38	38	4,9	

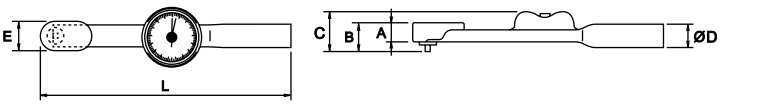
12M

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Par prefijado dentro de su rango de par a concretar por el cliente cuando se curse el pedido / *Preset torque within its torque range to be specified by the customer when the order is placed* / Couple présélectionné dans le rang de couple à préciser par le client au moment du traitement de la commande

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	4%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Estuche individual / *Individual case* / Étui individuel	●

LLAVES DINAMOMÉTRICAS DE DIAL ANALÓGICAS / *ANALOGIC DIAL TORQUE WRENCHES* / CLÉS DYNAMOMÉTRIQUES ANALOGIQUES À CADRAN / *ANALOG WAHLDREHMOMENTSCHLÜSSEL* / CHIAVI DINAMOMETRICHE CON DIAL ANALOGICO / *CHAVES DINAMOMÉTRICAS DIAL ANALÓGICAS* / СТРЕЛОЧНЫЕ ДИНАМОМЕТРИЧЕСКИЕ КЛЮЧИ





COD.	AF inch	N.m	Lb.ft	Lb.in	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Kg		Precisión / *Accuracy* / Précision	Resolución / *Resolution* / Résolution
56930	1/4	0-2	-	0-18	310	26	28	50	30	38	0,6	1	±3%	0,05
56931		0-8		0-70										0,2
56932	3/8	0-20		0-175			31							0,5
56933		0-50	0-35	-				55						1
56934	1/2	0-100	0-70		480		45				0,9			2
56935		0-200	0-150		550						1,0			5
56936		0-350	0-250											
56937	3/4	0-800	0-600		1190	31	55	65	50	65	6,5		0 < N.m < 400 ±3% 400 < N.m < 2000 ±4%	20
56938	1	0-2000	0-1500		1620		60	70			9,0			50

12M

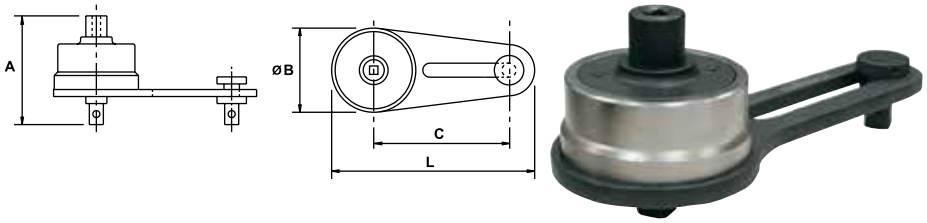
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Estuche individual / *Individual case* / Étui individuel	●

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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MULTIPLICADORES DE PAR DE PRECISIÓN / *PRECISION TORQUE MULTIPLIERS* / MULTIPLICATEURS DE COUPLE DE PRÉCISION / *PRÄZISION KRAFTVERVIELFÄLTIGER* / MOLTIPLICATORI DI COPPIA / *MULTIPLICADOR DE BINÁRIO DE PRECISÃO* / УСИЛИТЕЛЬ КРУТЯЩЕГО МОМЕНТА (МУЛЬТИПЛИКАТОР)



COD.	OUT (max.) N.m	OUT (max.) Lb.ft	IN (max.) N.m	IN (max.) Lb.ft	IN (inch)	OUT (inch)	L (mm)	A (mm)	Ø B (mm)	C (mm)	Kg	
63850	1700	1250	378	279	1/2	3/4	310	85	115	165	4,5	62954, 62963, 62968
63851					3/4	1		90			5,0	62969
63852			75	55	1/2			120			7,0	62954, 62957, 62958, 62961, 62962, 62963, 62968
63853	2700	2000	600	442	3/4			135			8,0	62969
63854			120	88	1/2			165			11	62954, 62957, 62958, 62961, 62962, 62963, 62968
63855	3400	2500	750	553	3/4		365	150	135	260	8,5	62969
63856			150	110	1/2	1 1/2		175			11,5	62954, 62957, 62958, 62961, 62962, 62963, 62968
63857	6000	4500	1325	977	3/4		450	225	170	310	15	62969
63858			264	194	1/2						28	62954, 62957, 62958, 62961, 62962, 62963, 62968
63859	9500	7000	420	309	3/4	2 1/2	500	255	195	350	32	62969

12M

Ejemplo:
Para obtener un par de salida de 1800Nm, se debe introducir un par de entrada:
Par de entrada = par de salida x ratio neto factor de multiplicación
1800 x 1/4.5 = 400Nm

Example:
To obtain an output torque of 1800Nm, user should apply an input torque of:
Input torque = output torque x net ratio multiplication factor
1800 x 1/4.5 = 400Nm

Exemple:
Pour obtenir un moment de sortie de 1800NM, il faut introduire un moment d'entrée:
Force d'entrée = force de sortie x ratio net facteur multiplicateur
1800 x 1/4.5 = 400Nm

COD.	Ratio multiplicación de par / *Torque multiplication ratio* / Ratio de multiplication de couple	Ratio neto / *Net ratio* / Ratio net	Rendimiento (%) / *Accuracy (%)* / Rendement (%)	Precisión / *Accuracy* / Précision	Sistema antirretorno / *Non-return system* / Système anti-retour
63850	5:1	4,5:1	90	±4	-
63851					
63852	25:1	22,5:1			●
63853	5:1	4,5:1			-
63854	25:1	22,5:1			●
63855	5:1	4,5:1			-
63856	25:1	22,5:1			●
63857	5:1	4,5:1			-
63858	25:1	22,5:1			●
63859					

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

DISPOSITIVO ANTIRRETORNO:
Los multiplicadores de par con una caja de engranajes de relación 22.5:1, disponen de un sistema antirretorno para eliminar la reacción originada en el apriete.
Este dispositivo bloquea la tuerca, evitando que el multiplicador rebobine dado el alto ratio de multiplicación que soporta. Esto garantiza al usuario un uso cómodo, fácil y seguro. Todos los modelos disponen de una maleta para su protección y fácil transporte.

NON-RETURN SYSTEM:
Torque multipliers with a 22.5:1 relation gearbox, include a non-return system to avoid the reaction induced in the grip. This system locks up the nut, not allowing the torque multiplier to rewind, due to the high ratio level supported. These guarantees the user a safe, easy and comfortable use. All models have a special case in order to be well protected and easy to transport.

DISPOSITIF ANTI RETOUR:
Les multiplicateurs de couple ont une boîte d'engrenage de rapport 22.5:1, ils sont dotés d'un système anti-retour pour éliminer la réaction produite par le serrage. Ce dispositif bloque l'écrou, évitant que le multiplicateur rebobine à cause du haut ratio multiplicateur qu'il supporte. Ce qui confère à l'utilisateur une utilisation confortable, aisée et sûre. Tous les modèles sont présentés avec une malette pour leur protection et leur transport.

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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DESTORNILLADOR DINAMOMÉTRICO / *TORQUE SCREWDRIVER* / TOURNEVIS DYNANOMÉTRIQUE / *DREHMOMENT SCHRAUBENDREHER* / CACCIAVITE DINAMOMETRICO / *CHAVE DE FENDAS DINAMOMÉTRICA* / ОТВЕРТКА С УСТАНОВКОЙ МОМЕНТА ЗАТЯГИВАНИЯ

ELECTRÓNICO / *ELECTRONIC* / ÉLECTRONIQUE / *ELEKTRONIK* / ELETTRONICO / *ELETRÔNICO* / ЭЛЕКТРОННЫЙ



COD.	inch	N.m	Lb.in	Kg.cm	R.P.M.	L (mm)	g
66556	1/4	0,6-3	5,3-26,6	6,1-30,6	1600	300	830
66557		1,4-7	12,4-62	14,3-71,4	660		

CE | 12M

Es necesario el código 66549 para su uso / *Code 66549 is required for use* / **Le code 66549 est requis pour l'utilisation**

COD.	Resolución / *Resolution* / Résolution	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur
66556	0,001Nm / 0,001 Lb.in	●
66557		

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fuente de luz / *Light source* / Source de lumiére	●
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Unidades / *Units* / Unités	N.m / Lb.in / Kgf.m / Kgf.cm
Reversible / *Reversible* / Réversible	●
Trabajos programables / *Programmable jobs* / Séquences programmables	●
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●

CONTROLADOR / *CONTROLER* / CONTRÔLEUR / *REGLER* / UNITÀ DI CONTROLLO / *CONTROLADOR* / КОНТРОЛЛЕР



COD.	Descripción / *Description* / Description	L x W x H (mm)	Kg
66549	Controlador programador / *Programmer controler* / Contrôleur programmeur	185x157x242	3,8

CE | 12M



• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

DIGITAL / *DIGITAL* / DIGITAL / *DIGITAAL* / DIGITALE / *DIGITAL* / ЦИФРОВОЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ

COD.	inch	N.m	cN.m	Lb.in	Kg.cm	L (mm)	g	
66578	1/4	0,2-4	20-400	1,77-35,39	2,04-40,82	200	650	1

12M



COD.	Precisión CW (a derechas) / *Accuracy CW (clockwise)* / Précision CW (sens horaire)	Precisión CCW (a izquierdas) / *Accuracy CCW (counter clockwise)* / Précision CCW (sens anti-horaire)	Resolución / *Resolution* / Résolution	Memoria de datos / *Data memory* / Memoire de données	Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	Cable para la comunicación de datos / *Cable for data communication* / Transmission de données
66578	±2%	±3%	0.1Nm /0.01 Lb.in / 0.01 Kg-cm	250	●	●

* : Modo Track: Valor de torsión actual - Modo Peak: Valor máximo de torsión / *Track mode: Direct torque value - Peak mode: Max. torque Value* / Mode Track: Valeur de torsion actuelle - Mode Peak: Valeur maximum de torsion

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Modo de operación / *Operation mode* / Mode d'opération	Peak/Track*
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.in / Kg.cm
Cd con los programas para la comunicación de datos / *Cd with the programs for data communication* / Cd avec les programmes pour la communication de données	●
Calibración vía web / *Web calibration* / Calibrage par l'intermédiaire de web	24 h
Baterías / *Batteries* / Piles	AAA x 1
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C - 60 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C - 70 °C

ANALÓGICO / *ANALOGIC* / ANALOGIQUE / *ANALOG* / ANALOGICO / *ANALÓGICO* / АНАЛОГОВЫЙ

COD.	inch	N.m	L (mm)	g	
66873	1/4	1-4	180	215	1

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	+/-6%

COD.	g	
66845	550	1

12M

PCS.	Descripción / *Description* / Description			L (mm)
1	Destornillador / *Screwdriver*	Cod. 66873		180
5	Puntas / *Bits*	3 - 4 - 5 - 6 - 8 mm		25
		3 - 4 - 5,5 - 6,5 - 7 mm		
4		PH0 - PH1 - PH2 - PH3		
		S1 - S2 - S3 - S4		



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
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PCS.	Descripción / *Description* / Description		L (mm)
2	Puntas / *Bits*	PZ1 - PZ2	25
6		T10 -T15 - T20 - T25 - T30 - T40	
1	Adaptador / *Adapter*	1/4", 60 mm	60
		1/4", 25 mm	25



COD.	AF inch	N.m	Lb.in	L (mm)	g	
66579	1/4	0.4-2	-	135	130	1
66594		-	4-20			

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	±6%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Estuche individual / *Individual case* / Étui individuel	●



COD.	AF inch	N.m	Lb.in	L (mm)	g	
66580	1/4	1-5	-	160	130	1
66595		-	10-50			

12M

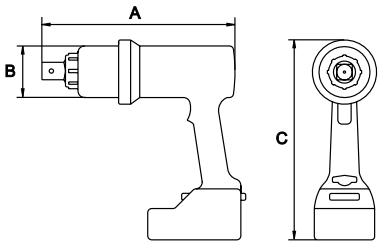
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	±6%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Estuche individual / *Individual case* / Étui individuel	●

EGAMaster ART IN INNOVATION

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

LLAVE DINAMOMÉTRICA A BATERÍA / *BATTERY TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE À BATTERIE / *BATTERIE-DREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA A BATTERIA / *CHAVE DINAMOMÉTRICA A BATERIA* / АККУМУЛЯТОРНЫЙ ДИНАМОМЕТРИЧЕСКИЙ ВИНТОВЕРТ



COD.	AF inch	N.m	A (mm)	B (mm)	C (mm)	Kg	
58875	3/4	165-670	225	65	265	4,5	1
58876	1	340-1350	280	75		6,5	
58877		670-2700	295	80		7,0	
58878		1050-4050	355	95		10	
58901	1.1/2	1626-8133	380	130	290	20	

12M | Batería incluida, cargador no incluido / *Battery included, charger not included* / Batterie incluse, chargeur non inclus

Asegura el par de apriete deseado durante toda la carga de la batería / *It ensures the desired tightening torque during the entire charge of the battery* / Assure le couple de serrage souhaité durant toute la durée de la batterie



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Brazo de reacción / *Reaction arm* / Bras de réaction	●
Unidades de medida / *Unit selection* / Unités de mesure	N.m / Lb.ft
Baterías / *Batteries* / Piles	Li-ion 18V
Tiempo de carga / *Charge time* / Temps de recharge	60 minutos / *60 minutes* / 60 minutes

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

BATERÍA / *BATTERY* / BATTERIE / *BATTERIE* / BATTERIA / *BATERIA* / БАТАРЕЯ

COD.	V
58879	18V 8.0Ah LiHD



CARGADOR / *CHARGER* / CHARGEUR / *LADEGERÄT* / CARICABATTERIE / *CARREGADOR* / ЗАРЯДНОЕ УСТРОЙСТВО

COD.	Descripción / *Description* / Description
58880	Cargador rápido USA / *U.S. fast charger* / Chargeur rapide USA
58881	Cargador estándar USA / *U.S. standard charger* / Chargeur standard USA
58882	Cargador estándar rápido UK / *U.K. standard fast charger* / Chargeur standard rapide UK
58883	Cargador rápido Australia / *Australia fast charger* / Chargeur rapide Australie
58884	Cargador estándar Australia / *Australia standard charger* / Chargeur standard Australie
58885	Cargador rápido Europa / *EU fast charger* / Chargeur rapide Europe
58886	Cargador estándar Europa / *EU standard charger* / Chargeur standard Europe

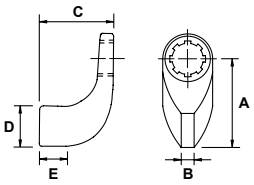


12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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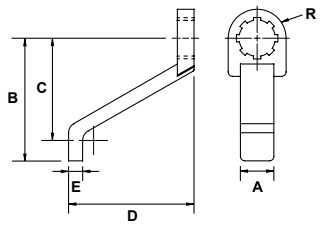
BRAZO REACCIÓN STANDARD / *STANDARD REACTION ARM* / BRAS DE RÉACTION STANDARD / *STANDARD REAKTIONSARM* / BRACCIO REAZIONE STANDARD / *BRAÇO REAÇÃO STANDARD* / СТАНДАРТНЫЙ КРОНШТЕЙН-ФИКСАТОР



COD.	Válido para / *Valid for* / Valable pour	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
59026	58875, 58876	110	16	90	44	25
59027	58877, 58878	135	21	100	50	
59028	58901	200	32	185	75	38



BRAZO REACCIÓN EN S / *S REACTION ARM* / BRAS DE RÉACTION EN S / *S REAKTIONSARM* / BRACCIO REAZIONE A S / *BRAÇO REAÇÃO EM S* / S-ОБРАЗНЫЙ КРОНШТЕЙН-ФИКСАТОР



COD.	Válido para / *Valid for* / Valable pour	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	R (mm)
59029	58875, 58876	38	140	110	145	16	32
59030	58877, 58878	50	165	130	150	20	44
59031	58901	55	200	125	210	25	50

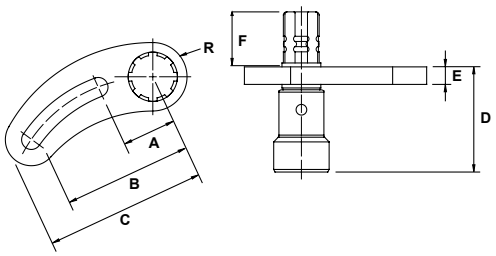


• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

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Code / Código 8552B
Management System
ISO 9001:2015
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ID 0910098046
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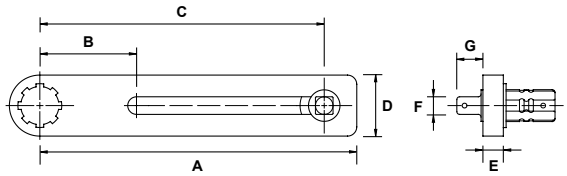
BRAZO REACCIÓN EN VASO / *SOCKET REACTION ARM* / BRAS DE RÉACTION EN DOUILLE / *STECKSCHLÜSSEL REAKTIONSARM* / BRACCIO REAZIONE A BUSSOLA / *BRAÇO REAÇÃO EM CAIXA* / КРОНШТЕЙН-ФИКСАТОР С ПАЗОМ



COD.	Válido para / *Valid for* / Valable pour	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	R (mm)
59032	58875, 58876	55	140	165	110	19	55	35
59033	58877, 58878			170	115	25	48	38



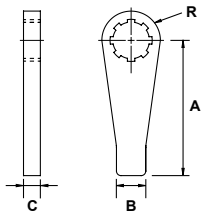
BRAZO REACCIÓN LARGO EN VASO / *SOCKET LONG REACTION ARM* / BRAS DE RÉACTION LONG EN DOUILLE / *STECKSCHLÜSSEL LANGER REAKTIONSARM* / BRACCIO REAZIONE LUNGO A BUSSOLA / *BRAÇO REAÇÃO COMPRIDO EM CAIXA* / ДЛИННЫЙ КРОНШТЕЙН-ФИКСАТОР С ПАЗОМ



COD.	Válido para / *Valid for* / Valable pour	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (inch)	G (mm)
59034	58875, 58876	330	100	300	65	19	3/4	23
59035	58877, 58878	350			75	25	1	32
59036	58901	360	115		115	32	1.1/2	37



BRAZO REACCIÓN RECTO / *STRAIGH REACTION ARM* / BRAS DE RÉACTION DROIT / *GERADE REAKTIONSARM* / BRACCIO REAZIONE DIRITTO / *BRAÇO REAÇÃO RETO* / ПРЯМОЙ КРОНШТЕЙН-ФИКСАТОР



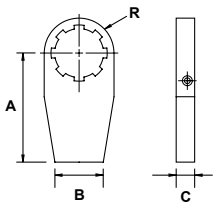
COD.	Válido para / *Valid for* / Valable pour	A (mm)	B (mm)	C (mm)	R (mm)
59037	58875, 58876	150	32	16	32
59038	58877, 58878	200	50	19	37
59039	58901	250	55	32	50



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
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BRAZO REACCIÓN PARA SOLDADURA / *REACTION ARM FOR WELDING* / BRAS DE RÉACTION POUR LE SOUDAGE / *REAKTIONSARM ZUM SCHWEIßEN* / BRACCIO REAZIONE PER SALDATURA / *BRAÇO REAÇÃO PARA SOLDADURA* / КРОНШТЕЙН-ФИКСАТОР ДЛЯ ПАЙКИ



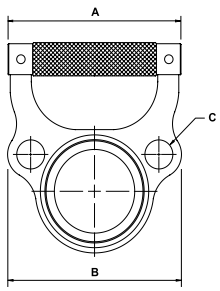
COD.	Válido para / *Valid for* / Valable pour	A (mm)	B (mm)	C (mm)	R (mm)
59053	58875	115	38	19	32
59054	58876, 58877, 58878		50	25	36
59055	58901	150	55	32	50



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Los brazos de reacción para soldadura se proporcionan sin tratar térmicamente. Se requiere tratamientotérmico final (material Aisi 4140 / DIN17225 a 38-42 HRC / ISO 42CrMo4) */ Weld disk are not heat treated as provided. Final heat treating is required (material Aisi 4140/DIN17225 to 38-42 HRC / ISO 42CrMo4)* / Les bras de réaction pour le soudage sont fournis non traités thermiquement. Traitement thermique finalrequis (matériel Aisi 4140 / DIN17225 a 38-42 HRC / ISO 42CrMo4)

MANGO / *HANDLE* / MANCHE / *GRIFF* / MANICO / *PUNHO* / РУКОЯТКА



COD.	Válido para / *Valid for* / Valable pour	A (mm)	B (mm)	C (mm)	D (mm)
59040	58875	155	155	25	180
59041	58876, 58878				
59042	58877				



SISTEMA DOBLE INTERRUPTOR / *DOUBLE SWITCH SYSTEM* / SYSTÈME À DOUBLE INTERRUPTEUR / *DOPPELSCHALTSYSTEM* / SISTEMA DOPPIO INTERRUTTORE / *SISTEMA DUPLO INTERRUPTOR* / СИСТЕМА ДВОЙНОГО ВЫКЛЮЧАТЕЛЯ

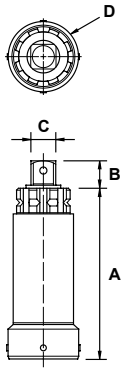
COD.	Válido para / *Valid for* / Valable pour
59043	58875, 58876, 58877, 58878, 58901



• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC

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EXTENSIONES / *EXTENSIONS* / RALLONGES / *VERLÄNGERUNGEN* / ESTENSIONE / *EXTENSÕES* / УДЛИНИТЕЛИ



COD.	Válido para / *Valid for* / Valable pour	A (mm)	B (mm)	C (mm)	D (mm)
59045	58875, 58876	175	24	3/4	55
59046		330			
59047		480			
59048	58877, 58878	180	27	1	75
59049		330			
59050		480			
59051	58901	190	41	1.1/2	100
59052		340			



ATORNILLADOR DINAMOMÉTRICO / *TORQUE NUTRUNNER* / VISSEUSE DYNAMOMÉTRIQUE / *DREHMOMENTSCHRAUBER* / GIRAVITE DINAMOMETRICO / *APARAFUSADORA DINAMOMÉTRICA* / ОТВЕРТКА С УСТАНОВКОЙ МОМЕНТА ЗАТЯГИВАНИЯ

ACODADO A BATERIA / *BATTERY ANGLE TYPE* / D´ANGLE À BATTERIE / *BATTERIEWINKELTYP* / ANGOLARE A BATTERIA / *ANGULAR A BATERIA* / ИЗОГНУТОЙ ФОРМЫ, С АККУМУЛЯТОРОМ

COD.	AF inch	N.m	Lb.in	Lb.ft	Kg.cm	V	Bat.	R.P.M.	L (mm)	Kg	
58916	3/8	4-15	35,4-133	3-11,1	40,8-153	18	Li-Ion	450	430	1,7	1



12M | ISO 5393

Batería y cargador incluido, programador no incluido / *Battery and charger included, programmer not included* / Batterie et chargeur incluse, programmateur non inclus

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
CmK	>1,67 (+/-10%)
Reversible / *Reversible* / Réversible	●
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Indicador de carga / *Charging indicator* / Indicateur de charge	●
Luces indicadoras de par correcto / *Correct tightening torque indicator lights* / Indicateurs lumineux de couple correct	●
Autonomía / *Autonomy* / Autonomie	> 250 aprietes / *> 250 tighten* / > 250 serrer
Tiempo de carga / *Charge time* / Temps de recharge	1 h
Batería / *Battery* / Batterie	18V 2,5Ah
Cargador / *Charger* / Chargeur	100-240V / 50-60Hz / 18V
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

COD.	AF inch	N.m	Lb.in	Lb.ft	Kg.cm	V	Bat.	R.P.M.	L (mm)	Kg	
58917	3/8	15-35	133-310	11,1-25,8	153-357	18	Li-Ion	200	515	2,2	1



12M | ISO 5393

Batería y cargador incluido, programador no incluido / *Battery and charger included, programmer not included* / Batterie et chargeur incluse, programmateur non inclus

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
CmK	>1,67 (+/-10%)
Reversible / *Reversible* / Réversible	●
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Indicador de carga / *Charging indicator* / Indicateur de charge	●
Luces indicadoras de par correcto / *Correct tightening torque indicator lights* / Indicateurs lumineux de couple correct	●
Autonomía / *Autonomy* / Autonomie	> 250 aprietes / *> 250 tighten* / > 250 serrer
Tiempo de carga / *Charge time* / Temps de recharge	1 h
Batería / *Battery* / Batterie	18V 2,5Ah
Cargador / *Charger* / Chargeur	100-240V / 50-60Hz / 18V
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description
58921	Programador / *Programmer* / Programmateur



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ajuste del modo de operación / *Operation mode adjust* / Ajustement mode d'opération	●
Ajuste sistema de aviso / *Warning system adjustment* / Adjustment systéme d'alerte	●
Contador OK / NO OK / *Counter OK / NO OK* / Compteur OK / NO OK	●

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	V	Descripción / *Description* / Description
58773	18V 2,5Ah	Batería / *Battery* / Batterie



COD.	V	Descripción / *Description* / Description
58774	100-240V / 50-60Hz / 18V	Cargador / *Charger* / Chargeur



ACODADO NEUMÁTICO / *PNEUMATIC ANGLE TYPE* / D´ANGLE PNEUMATIQUE / *PNEUMATISCHER WINKELTYP* / ANGOLARE PNEUMATICO / *ANGULAR PNEUMÁTICO* / ИЗОГНУТОЙ ФОРМЫ, ПНЕВМАТИЧЕСКИЙ

COD.	AF inch	N.m	Lb.in	Lb.ft	Kg.cm	R.P.M.	L (mm)	Kg
58902	3/8"	1,2-2,4	10,6-21,2	0,9-1,8	12,2-24,5	1450	340	1,2
58903		2,2-4,3	19,5-38,1	1,6-3,2	22,4-43,9	800		
58913		4-10	35,4-88,5	3-7,4	40,8-102	340	350	1,3



12M | ISO 5393

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
CmK	>1,33 (+/-10%)
Consumo de aire / *Air consumption* / Consommation d'air	198 LPM (7 CFM)
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	88,5 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	78 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Reversible / *Reversible* / Réversible	●
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●

COD.	AF inch	N.m	Lb.in	Lb.ft	Kg.cm	R.P.M.	L (mm)	Kg
58914	1/2"	10-40	88,5-354	7,4-29,5	102-408	280	520	2,4
58922		35-70	310-620	25,8-51,6	357-714	130		



12M | ISO 5393

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
CmK	>1,33 (+/-10%)
Consumo de aire / *Air consumption* / Consommation d'air	283 LPM (10 CFM)
Presión de trabajo / *Working pressure* / Pression de travail	5,9 bar / 85 PSI
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	93 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	82 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Reversible / *Reversible* / Réversible	●
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●

TIPO PISTOLA NEUMÁTICO / *PNEUMATIC PISTOL TYPE* / TYPE PISTOLET PNEUMATIQUE / *PNEUMATISCHE PISTOLETYP* / TIPO PISTOLA PNEUMATICO / *TIPO PISTOLA PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ, ПИСТОЛЕТНОГО ТИПА

COD.	AF inch	N.m	Lb.in	Lb.ft	Kg.cm	R.P.M.	L x W x H (mm)	Kg
58869	3/8	5-28	44,3-248	3,7-20,7	51-286	250	235x39x190	1,2



12M | ISO 5393

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	+/- 3%
Consumo de aire / *Air consumption* / Consommation d'air	550 LPM (17,7 CFM)
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de vibración / *Vibration level* / Niveau de vibration	< 2,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	92,84 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,84 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Reversible / *Reversible* / Réversible	●
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
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CALIBRACIÓN / *CALIBRATION* / CALIBRAGE / *KALIBRIERUNG* / CALIBRAZIONE / *CALIBRAÇÃO* / КАЛИБРОВКА

MEDIDORES DE PAR CON PANTALLA LCD / *TORQUE TESTER SQ* / MESUREUR DE COUPLE AVEC ÉCRAN LCD / *DREHMOMENTPRÜFGRÄT LCD* / MISURATORE DI COPPIA CON SCHERMO LCD / *MEDIDORES DE PAR COM ECRÃ LCD* / КАЛИБРАТОР ДИНАМОМЕТРИЧЕСКИЙ

COD.	AF inch	N.m	Lb.ft	Lb.in	Kg.cm		Kg
69200	1/4	0,5-5	0,4-3,7	4,4-44	5,1-51	1	0,7
69201	3/8	5-50	3,7-37	44-442	51-510		1,1

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
L x W x H	410 x 320 x 17
Precisión / *Accuracy* / Précision	+/- 0,5% (CW/CCW)
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	10
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa / *Light alarm* / Alarme lumineuse
Modo de operación / *Operation mode* / Mode d'opération	1st / Peak hold / Track
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Pantalla / *Screen* / Écran	4 dígitos / *4 digits* / 4 chiffres
Memoria de datos / *Data memory* / Mémoire de données	-
Diseñado para llaves dinamométricas / *Designed for torque wrenches* / Conçu pour clés dynamométriques	Dial - Resorte - Digital / *Dial - Click - Digital* / Lecture directe - Ressort - Digital
Salida USB / *USB output* / Sortie USB	●
Apagado automático / *Automatic power off* / Extinction automatique	●
Software CD	●

COD.	AF inch	AF mm	N.m	Lb.ft	Lb.in	Kg.cm		Kg
57650	1/2	-	35-350	26-260	310-3100	357-3570	1	2,9

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
L x W x H	160 x 145 x 90
Precisión / *Accuracy* / Précision	+/-1% (CW)
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	10
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa / *Light alarm* / Alarme lumineuse
Modo de operación / *Operation mode* / Mode d'opération	1st / Peak hold / Track
Temperatura de trabajo / *Working temperature* / Température de travail	5 °C ~ 40 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Pantalla / *Screen* / Écran	4 dígitos / *4 digits* / 4 chiffres
Diseñado para llaves dinamométricas / *Designed for torque wrenches* / Conçu pour clés dynamométriques	Dial - Resorte - Digital / *Dial - Click - Digital* / Lecture directe - Ressort - Digital
Salida USB / *USB output* / Sortie USB	●
Apagado automático / *Automatic power off* / Extinction automatique	●
Software CD	●

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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COD.	AF mm	N.m	Lb.ft		Kg
57651	27 *	100-1000	74-740	1	3,2
57652		200-2000	147-1475		3,5

12M



Accesorio opcional cod. 60508 (3/4"-hex. 27 mm) */ Optional accessory cod. 60508 (3/4"-hex. 27 mm)* **/ Accessoire optionnel cod. 60508 (3/4"-hex. 27 mm)**

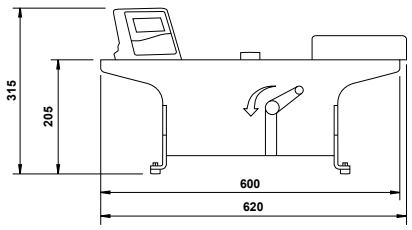
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
L x W x H	160 x 170 x 90
Precisión */ Accuracy* / Précision	+/-1% (CW)
Certificado de calibración */ Calibration certificate* / Certificat de calibrage	●
Pares prefijados */ Preset Torque values* / Paires Préétablies	10
Sistema de aviso */ Warning system* / Systéme d'alerte	Alarma luminosa */ Light alarm* / Alarme lumineuse
Modo de operación */ Operation mode* / Mode d'opération	1st / Peak hold / Track
Temperatura de trabajo */ Working temperature* / Température de travail	5 °C ~ 40 °C
Temperatura de almacenamiento */ Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Pantalla */ Screen* / Écran	4 dígitos */ 4 digits* / 4 chiffres
Diseñado para llaves dinamométricas */ Designed for torque wrenches* / Conçu pour clés dynamométriques	Dial - Resorte - Digital */ Dial - Click - Digital* / Lecture directe - Ressort - Digital
Salida USB */ USB output* / Sortie USB	●
Apagado automático */ Automatic power off* / Extinction automatique	●
Software CD	●

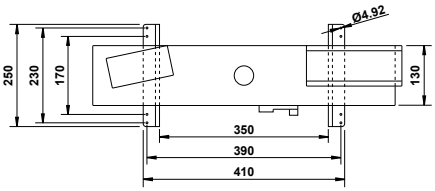
EGA Master
ART IN INNOVATION

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Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
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MÁQUINAS DE CALIBRACIÓN / *TORQUE CALIBRATION MACHINES* / MACHINES DE CALIBRAGE / *DREHMOMENT-KALIBRIERUNGSMASCHINEN* / MACCHINE DI CALIBRAZIONE / *MÁQUINAS DE CALIBRAÇÃO* / КАЛИБРОВОЧНЫЕ МАШИНЫ







COD.	AF inch	AF mm	N.m	Lb.ft	Lb.in	Kg.cm	L x W x H (mm)	Incluye / *Includes* / Inclus	Kg	
57666	1/4	-	0,5-5	0,4-3,7	4,4-44	5,1-51	620x265x315	69200	15	1
57665	3/8		5-50	3,7-37	44-442	51-510		69201		

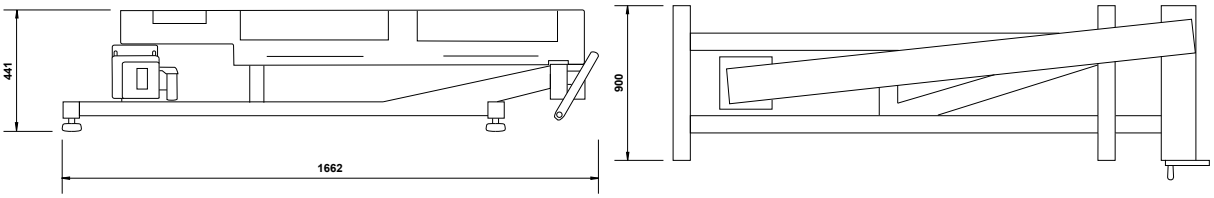
12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	+/- 0,5% (CW/CCW)
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	10
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa / *Light alarm* / Alarme lumineuse
Modo de operación / *Operation mode* / Mode d'opération	1st / Peak hold / Track
Temperatura de trabajo / *Working temperature* / Température de travail	5 °C ~ 40 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Pantalla / *Screen* / Écran	4 dígitos / *4 digits* / 4 chiffres
Memoria de datos / *Data memory* / Mémoire de données	-
Diseñado para llaves dinamométricas / *Designed for torque wrenches* / Conçu pour clés dynamométriques	Dial - Resorte - Digital / *Dial - Click - Digital* / Lecture directe - Ressort - Digital
Salida USB / *USB output* / Sortie USB	●
Apagado automático / *Automatic power off* / Extinction automatique	●
Software CD	●

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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COD.	AF inch	AF mm	N.m	Lb.ft	Lb.in	Kg.cm	L x W x H (mm)	Incluye / *Includes* / Inclus	Kg	
57669	1/2	-	35-350	26-260	310-3100	357-3570	1662x900x441	57650	100	1

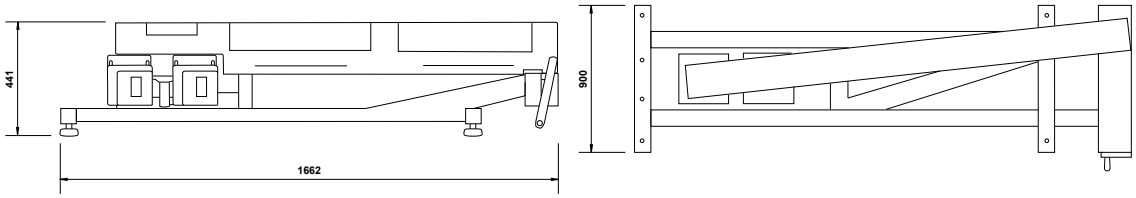
12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	+/-1% (CW/CCW)
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	10
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa / *Light alarm* / Alarme lumineuse
Modo de operación / *Operation mode* / Mode d'opération	1st / Peak hold / Track
Temperatura de trabajo / *Working temperature* / Température de travail	5 °C ~ 40 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Pantalla / *Screen* / Écran	4 dígitos / *4 digits* / 4 chiffres
Memoria de datos / *Data memory* / Mémoire de données	-
Diseñado para llaves dinamométricas / *Designed for torque wrenches* / Conçu pour clés dynamométriques	Dial - Resorte - Digital / *Dial - Click - Digital* / Lecture directe - Ressort - Digital
Salida USB / *USB output* / Sortie USB	●
Apagado automático / *Automatic power off* / Extinction automatique	●
Software CD	●

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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Management System
ISO 9001:2015
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to the Management Quality

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COD.	AF inch	AF mm	N.m	Lb.ft	Lb.in	Kg.cm	L x W x H (mm)	Incluye / *Includes* / Inclus	Kg	
57664	1/2	27	35-2000	26-1475	-	-	1662x900x441	57650, 57652	100	1

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	+/-1% (CW/CCW)
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Pares prefijados / *Preset Torque values* / Paires Préétablies	10
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa / *Light alarm* / Alarme lumineuse
Modo de operación / *Operation mode* / Mode d'opération	1st / Peak hold / Track
Temperatura de trabajo / *Working temperature* / Température de travail	5 °C ~ 40 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20 °C ~ 70 °C
Pantalla / *Screen* / Écran	4 dígitos / *4 digits* / 4 chiffres
Memoria de datos / *Data memory* / Mémoire de données	-
Diseñado para llaves dinamométricas / *Designed for torque wrenches* / Conçu pour clés dynamométriques	Dial - Resorte - Digital / *Dial - Click - Digital* / Lecture directe - Ressort - Digital
Salida USB / *USB output* / Sortie USB	●
Apagado automático / *Automatic power off* / Extinction automatique	●
Software CD	●

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATORK

SOFTWARE MEDIDA ENSAYOS PARA MEDIDORES DE PAR / *SOFTWARE TORQUE TEST VALUES* / LOGICIEL DE MESURE DE TEST POUR MESUREURS DE COUPLE / *SOFTWARE-DREHMOMENTTESTWERTE* / SOFTWARE TEST PER MISURATORI DI COPPIA / *SOFTWARE MEDIÇÃO ENSAIOS PARA MEDIDORES DE BINÁRIO* / ПРОГРАММНОЕ ОБЕСПЕЧЕНИЕ ДЛЯ ИЗМЕРЕНИЯ ЗНАЧЕНИЯ КРУТЯЩЕГО МОМЕНТА

COD.	Válido para / *Valid for* / Valable pour
57654	69200, 69201, 57650, 57651, 57652, 57664, 57665, 57666

12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Permite lectura y registro de datos en ordenador / *Allows to read and record measured data on computer* / Permet de lire et d'enregistrer des données sur un ordinateur

SOFTWARE DE MEDICIÓN DE PAR EN TIEMPO REAL / *REAL TIME MEASUREMENT TORQUE SOFTWARE* / SOFTWARE DE MESURE DE COUPLE EN TEMPS RÉEL / *ECHTZEITMESSUNG DREHMOMENT SOFTWARE* / SOFTWARE PER MISURARE LA COPPIA IN TEMPO REALE / *SOFTWARE DE MEDIÇÃO DE PAR EM TEMPO REAL* / ПРОГРАММНОЕ ОБЕСПЕЧЕНИЕ ДЛЯ ДИНАМОМЕТРИЧЕСКИХ КЛЮЧЕЙ ДЛЯ ОТОБРАЖЕНИЯ МОМЕНТА В РЕЖИМЕ РЕАЛЬНОГО ВРЕМЕНИ

COD.	Válido para / *Valid for* / Valable pour	Incluye / *Includes* / Inclus
57653	69200, 69201, 57650, 57651, 57652, 57664, 57665, 57666	USB Licencia / *USB License* / Licence USB

12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Permite generar la gráfica del par medido / *Allows to generate the graph of the measured torque* / Permet de générer le graphique du couple mesuré

CERTIFICADOS DE CALIBRACIÓN / *CALIBRATION CERTIFICATES* / CERTIFICATS DE CALIBRAGE / *KALIBRIERUNGSZERTIFIKATE* / CERTIFICATO DI CALIBRAZIONE / *CERTIFICADOS DE CALIBRAÇÃO* / ПОВЕРОЧНЫЕ СЕРТИФИКАТЫ

EXTERNA / *EXTERNAL* / EXTERNE / *EXTERN* / ESTERNO / *EXTERNO* / ВНЕШНИЙ

COD.	ENAC
99990	ENAC

INTERNA / *INTERNAL* / INTERNE / *INTERN* / INTERNO / *INTERNO* / ВНУТРЕННИЙ

COD.
99989

ADAPTADOR ANGULAR / *ANGLE METER* / ADAPTATEUR ANGULAIRE / *WINKELMESSER* / ADATTATORE ANGOLARE / *MEDIDOR ANGULAR* / ИЗМЕРИТЕЛЬ УГЛА

COD.		Kg	
62981	1-360°	0,5	1

12M





ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Precisión / *Accuracy* / Précision	+/-2%
Pares prefijados / *Preset Torque values* / Paires Préétablies	9
Sistema de aviso / *Warning system* / Systéme d'alerte	Alarma luminosa y sonora / *Audible and light alarm* / Alarme lumineuse et sonore
Baterías / *Batteries* / Piles	AAA x2
Duración de la batería / *Battery operation time* / Durée de fonction de batterie	24 h
Duración de la batería (standby) / *Battery life (standby)* / Durée de fonction de batterie (standby)	1 año / *1 year* / 1 année
Estuche individual / *Individual case* / Étui individuel	●
Resolución / *Resolution* / Résolution	0,1
Memoria / *Memory* / Mémoire	50
Unidad de medida / *Unit selection* / Unité de mesure	Grado° / *Grade°* / Degré°
Apto para cualquier llave de apriete / *Valid for any kind of tightening wrench* / Apte pour toutes les clés de serrage	Magnético / *Magnetic* / Magnetique

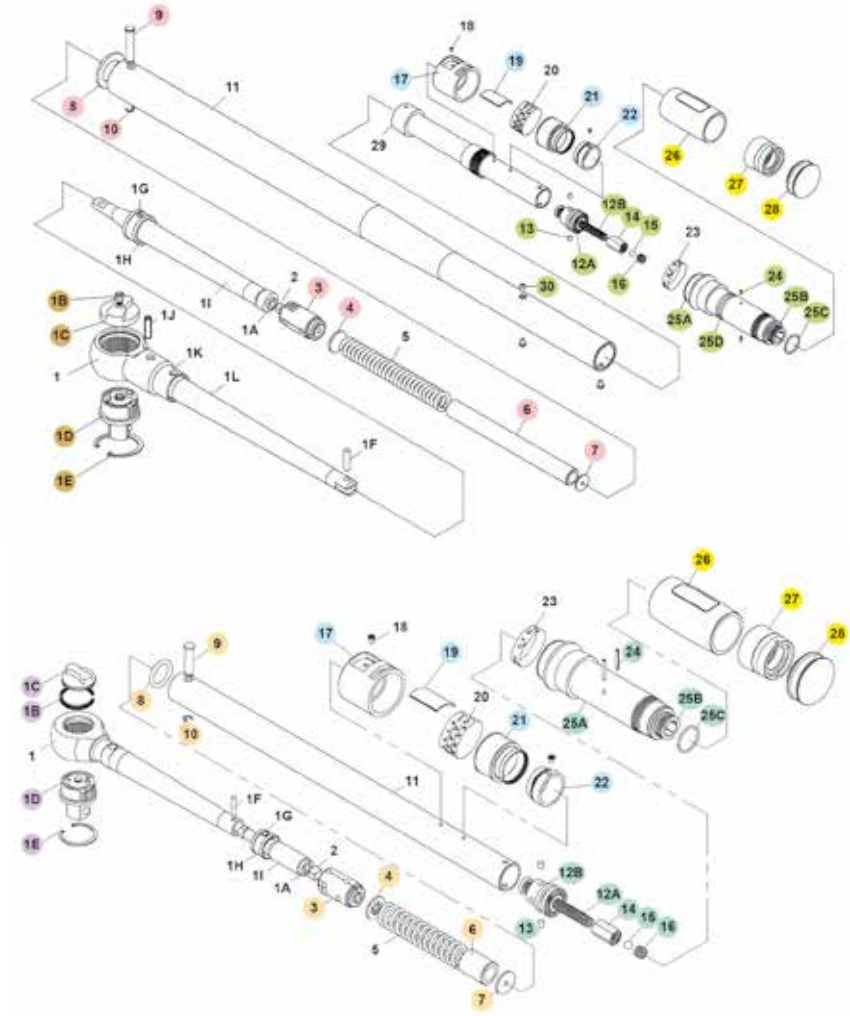
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

EGATORK

MANTENIMIENTO DE MECANISMO INTERIOR / *INSIDE MECHANISM MANTEINANCE* / ENTRETIEN DU MÉCANISME INTÉRIEUR / *WARTUNG DES INNEREN MECHANISMUS* / MANUTENZIONE DI MECCANISMO INTERNO / *MANUTENÇÃO DE MECANISMO INTERIOR* / ОБСЛУЖИВАНИЕ ВНУТРЕННЕГО МЕХАНИЗМА

LLAVES DINAMOMETRICAS ANALÓGICAS / *ANALOGIC TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE ANALOGIQUE / *ANALOGE DREHMOMENTSCHÜSSEL* / CHIAVE DINAMOMETRICA ANALOGICA / *CHAVE DINAMOMÉTRICA ANALÓGICA* / АНАЛОГОВЫЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ



COD.	Válido para / *Valid for* / Valable pour	Descripción / *Description* / Description	Composición / *Composition* / Composition
89285	All	Mango / *Handle* / Manche	
89286	1/4", 3/8", 1/2"	Ajuste del par / *Torque adjusting* / Réglage du torque	
89287	3/4", 1"		
89288	All	Escala / *Scale* / Échelle	
89289	1/4", 3/8", 1/2"	Trinquete / *Pawl* / Rochet	
89290	3/4", 1"		
89291	1/4"	Sistema de carraca / *Ratchet assembly* / Système de cliquet	
89292	3/8"		
89293	1/2"		
89294	3/4"		
89295	1" (para 62976) / *1" (for 62976)* / 1" (pour 62976)		
89296	1" (excepto 62976) / *1" (except 62976)* / 1" (sauf 62976)		

12M

• Posibilidad de suministrar con certificado de calibración externa ENAC / *ENAC calibration certificate can be issued on demand* / Posibilité de fournir avec le certificat d'étalonnage externe ENAC
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
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ISO 14001:2015
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ID 0910098046
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EGATORK

SET DE DEMOSTRACIÓN / *SHOW SET* / SET DE DÉMONSTRATION / *DEMO SATZ* / KIT DI DIMOSTRAZIONE / *KIT DE DEMONSTRAÇÃO* / ДЕМОНСТРАЦИОННЫЙ НАБОР



COD.	PCS.		Kg
50206	8	58592	29

12M

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62954	Llave dinamométrica analógica 1/2" / *Analogic torque wrench 1/2"*	25-125 Nm
	62957	Llave dinamométrica digital 1/2" / *Digital torque wrench 1/2"*	10-200 Nm
	57650	Medidor de par 1/2" / *Torque tester 1/2"*	10-350 Nm
	57653	CD software de medición de par en tiempo real / *Graphic real time measurement torque software*	
	50208	Base medidor de par / *Base for torque tester*	-
3	69583	Sargentos F / *F Clamps*	

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

11

HERRAMIENTA HIDRÁULICA
HYDRAULIC TOOLS
OUTILLAGE HYDRAULIQUE
HYDRAULISCHE WERKZEUGE
UTENSILERIA IDRAULICA
FERRAMENTA HIDRÁULICA
ГИДРАВЛИЧЕСКИЙ ИНСТРУМЕНТ



Las llaves hidráulicas dinamométricas de **EGA Master** han sido diseñadas para el apriete controlado de conexiones tuerca-perno. El movimiento de rotación del conjunto tuerca-perno se consigue a través del flujo hidráulico y presión suministrados por las bombas hidráulicas **EGA Master**, con mando remoto para controlar el avance y retroceso del flujo hidráulico.

La gama **EGA Master** de llaves hidráulicas dinamométricas de cuadrado conductor (para trabajar con llaves de vaso de impacto) o de cassettes hexagonales (no requieren de vaso adicional) permiten el apriete de una de las más amplias gamas de medidas tanto en milímetros como en pulgadas. Sus reducidas dimensiones, junto con su alta durabilidad, las hacen indispensables en una gran variedad de sectores: petroquímico, eólico, generación de energía, naval, etc.

__EGA Master's__ hydraulic torque wrenches have been designed for controlled tightening of nut-bolt connections. The remotely controlled hydraulic flow and pressure supplied by __EGA Master__ hydraulic power units provide the rotation of the nut on the bolt.

The assortment of square drive and hexagonal cassettes hydraulic torque wrenches allows tightening of a very wide range of nut sizes, both in millimeters and inches. Their small dimensions and high durability make them the perfect tool for several sectors: petrochemical industry, wind sector, power generation, naval sector, etc. Square drive wrenches need additional impact socket wrenches while hexagonal cassette ones don't.

Les clés hydrauliques dynamométriques d'**EGA Master** ont étaient conçus pour le serrage contrôlé de connections écrou-boulon. Le mouvement de rotation de l'ensemble écrou-boulon s'obtiens à travers le flux hydraulique et la pression fournie par les pompes hydrauliques **EGA Master**, commande à distance afin de contrôler l'avancée et de recul les flux hydrauliques.

La gamme **EGA Master** de clés hydrauliques dynamométriques à carré conducteur (pour travailler avec les douilles à choc) ou de cassettes hexagonales (qui n'ont pas besoin de clé additionnelle) permettent le serrage d'une des plus larges gammes de mesures autant en mm qu'en pouces. Ses dimensions réduites ainsi que sa haute durabilité, les font indispensables dans une grande variété de secteurs: pétrochimique, éolien, production d'énergie, navale, etc.





Características comunes
Su conector hidráulico de 360° x 360° facilita el uso de la llave al permitir una movilidad total de la manguera.

Common features
The 360° x 360° swivel allows a total mobility of the hose, making its use easy and confortable.

Caractéristiques communes
Son connecteur hydraulique de 360° x 360° facilite l'usage de la clé car elle permet une mobilité totale du tuyau.



LLAVES HIDRAÚLICAS DE CUADRADO
SQUARE DRIVE TORQUE WRENCHES
CLÈS HYDRAULIQUES À CARRÉ

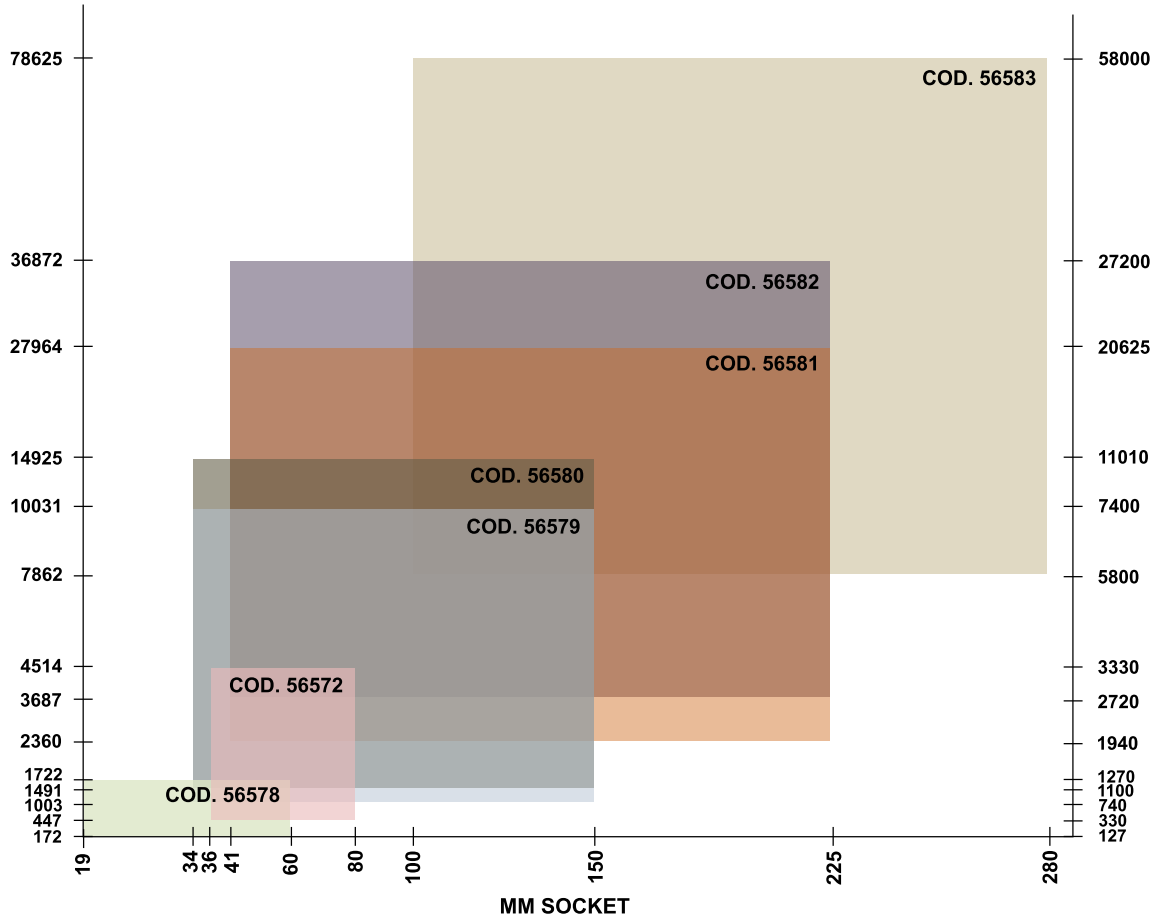


Tabla de aprietes grabada en láser para un acceso más rápido.
Laser engraved torque chart for faster access.
Table de serrages gravée à laser pour un accès plus rapide.

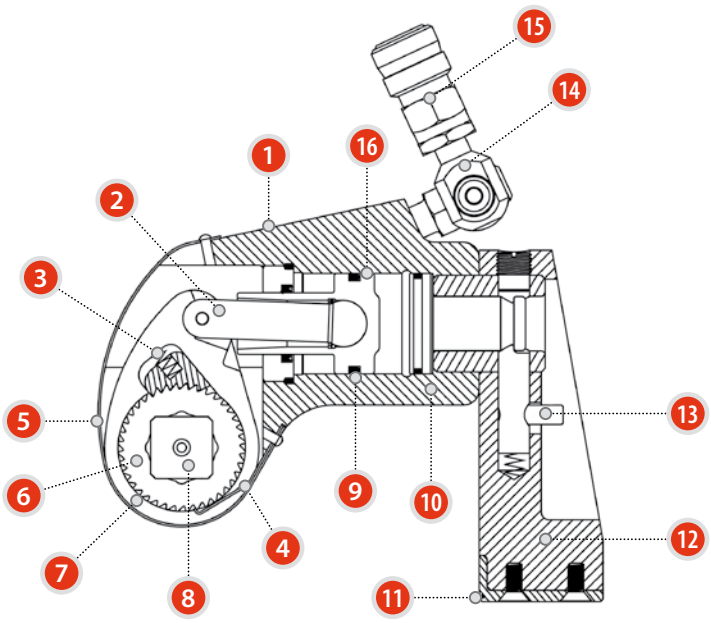


Brazo de reacción giratorio 360° para una correcta fijación en cualquier aplicación.
360° swivel reaction arm for a correct fitting on any aplication.
Bras de réaction giratoire 360° pour une fixation correcte dans n'importe quelle application.

Permite el uso de la herramienta sin brazo de reacción.
Allows the use of the tool without reaction arm.
Permet l'utilisation de l'outil sans bras de réaction.

Permite un cambio rápido de sentido presionando únicamente el cuadrado conductor, sin necesidad de herramientas adicionales (códigos 56578, 56572, 56579, 56580).
Allows quick change of direction pushing the square drive, without additional tools (codes 56578, 56572, 56579, 56580).
Permet un changement rapide de sens en appuyant uniquement sur le carré conducteur, sans nécessité d'outils additionnels (codes 56578, 56572, 56579, 56580).

LLAVES DINAMOMÉTRICAS HIDRÁULICAS DE CUADRADO CONDUCTOR / *SQUARE DRIVE HYDRAULIC TORQUE WRENCHES* / CLÉS DYNAMOMÉTRIQUES HYDRAULIQUES DE CARRÉ CONDUCTEUR / *QUDRAT HYDRAULISCHE DREHMOMENTSCHLÜSSEL* / CHIAVI DINAMOMETRICHE IDRAULICHE CON ATTACCO QUADRO / *CHAVES DINAMOMÉTRICAS HIDRÁULICAS DE QUADRADO CONDUTOR* / ГИДРАВЛИЧЕСКИЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ С ПРИСОЕДИНИТЕЛЬНЫМ КВАДРАТОМ





1. **Chasis de un solo cuerpo** / *Mono-body housing* / **Châssis d'un seul corps**
2. **Vástago de empuje oscilante** / *Balanced drive rod* / **Tige à poussée oscillante**

   Movimiento del pistón sin cargas / *Wide load-free piston movement* / Mouvement du piston sans charges
3. **Cremallera multidentada** / *Multi-tooth drive segment* / **Crémaillère multi dentelée**

   Asegura una carrera de apriete de 27 grados / *Ensures up to 27 degree torque stroke* / Assure un parcours de serrage de 27 degrés
4. **Carraca Anti-Retroceso** / *Anti-back lash mechanism* / **Cliquet Anti- Recul**

   Permite su operación sin manos / *Provides hands free operation* / Permet son opération sans mains
5. **Tabla de torsiones grabada con láser** / *Laser engraved torque chart* / **Planche de torsion gravée au laser**

   No más búsquedas de las tablas / *No more searching for charts* / Plus de recherches des planches
6. **Rueda multidentada** / *Multi-tooth ratchet* / **Roue multi dentelée**

   Los fuertes dientes de Vascomax aportan fuerza, precisión y un ángulo de apriete de 27 grados / *Strong Vascomax teeth provide strength, accuracy and 27 degree torque stroke* / Les fortes dents de Vascomax apportent force, précision et angle de serrage de 27 degrés
7. **Disco transmisión de una sola pieza** / *One piece drive plate* / **Disque transmission d'une seule pièce**

   El disco de transmisión de Vascomax de una pieza proporciona una mayor vida útil e incrementa la durabilidad / *One piece Vascomax drive plate provides longer life and increased durability* / Le disque transmission de Vascomax d'une pièce proportionne une vie utile supérieure et augmente la durabilité
8. **Conductor a través de empuje** / *Push-through drive* / **Conducteur à travers la poussée**

   Empuje simple para cambiar de aflojar a apretar / *Simply push to switch from loosen to tighten* / Poussée simple pour changer de desserrer à serrer
9. **Junta de pistón individual** / *Single seal piston* / **Joint de piston individuel**

   Aumenta el tiempo de trabajo sin mantenimientos / *Assures extended maintenance free operation* / Augmente le temps de travail sans maintenances
10. **Acción directa sobre el chasis** / *Direct housing reaction* / **Action directe sur le châssis**

    Permite el uso de la herramienta sin el brazo de reacción / *Allows use of tool without reaction arm* / Permet l'utilisation de l'outil sans le bras de réaction
11. **Extremo del brazo de reacción de acero** / *Steel reaction boot* / **Extrémité du bras de réaction en acier**

    La característica de campo sustituible protege el brazo de reacción / *Field replaceable feature protects reaction arm* / La caractéristique du champ remplaçable protège le bras de réaction
12. **Brazo de reacción de larga longitud** / *Long length reaction arm* / **Bras de réaction de longue longueur**

    Permite su apoyo en todas las aplicaciones / *Allows for reaction on all applications* / Permet son appui dans toutes les applications
13. **Botón de liberación del brazo de reacción** / *Reaction arm release button* / **Bouton de libération du bras de réaction**

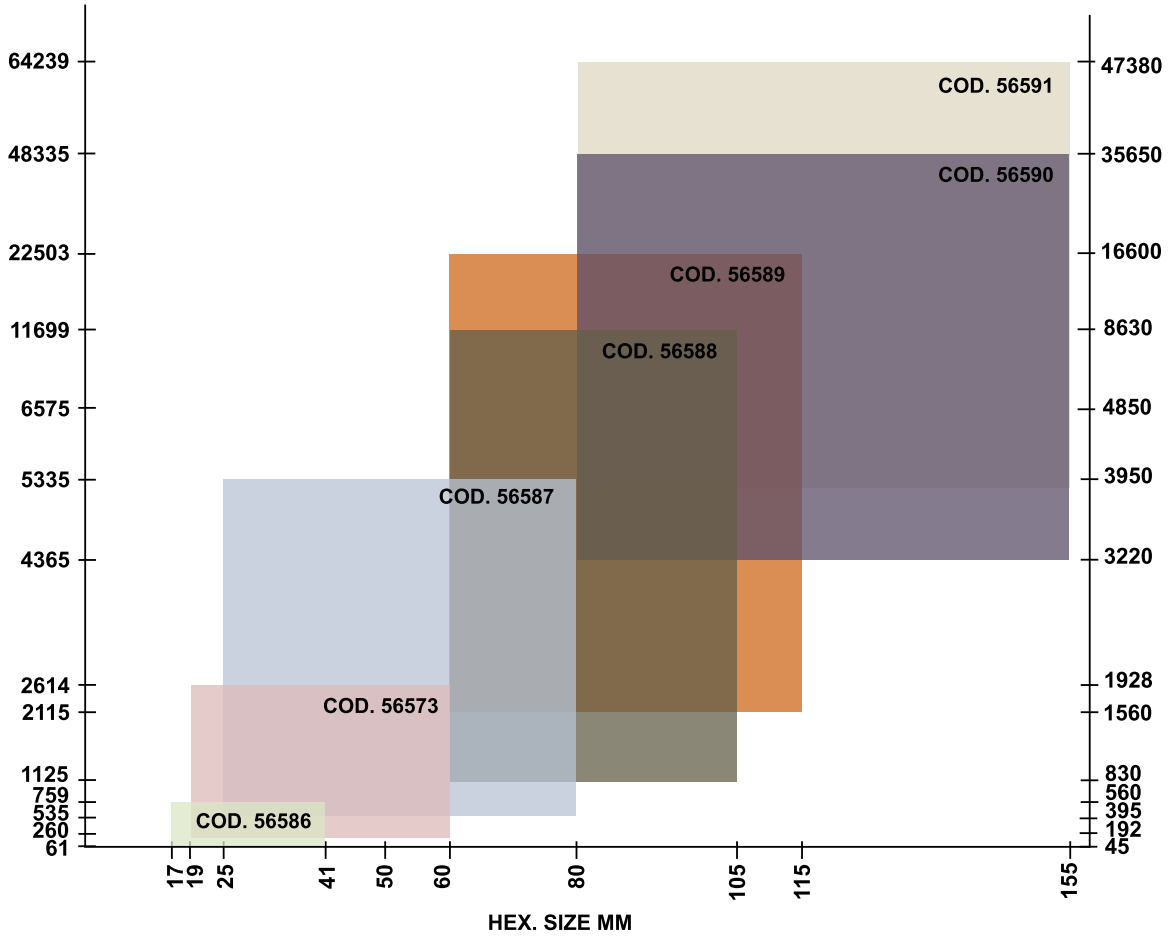
    Protegido dentro de la carcasa del brazo de reacción / *Protected within reaction arm housing* / Protéger dans la carcasse du bras de réaction
14. **Conector giratorio 360° x 360°** / *360° x 360° swivel* / **Connecteur giratoire 360° x 360°**

    Permite el despeje de las mangueras en todas las aplicaciones / *Allows hose to be cleared on all applications* / Permet le dégagement des tuyaux dans toutes les applications
15. **Rápidas conexiones antigoteo** / *No drip quick connect couplers* / **Connections anti-goute rapides**

    Asegura un manejo fácil y seguro / *Assures easy and safe operation* / Assure un maniement facile et sûr
16. **Pistón de aleación de acero** / *Steel alloy piston* / **Piston d'alliage en acier**

    Una composición robusta permite un ciclo de trabajo mayor / *Robust composition allows for longer operation cycle* / Une composition robuste permet un cycle plus long de travail

LLAVES HIDRÁULICAS DE CASSETTE HEXAGONAL
HEXAGONAL CASSETTES TORQUE WRENCHES
CLÉS HYDRAULIQUES À CASSETTE HEXAGONALE





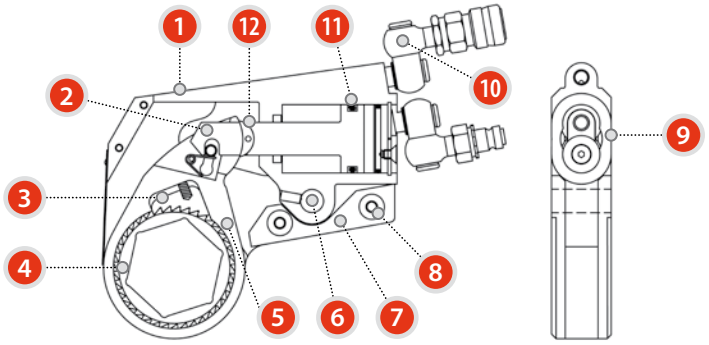
Tamaño compacto para uso en lugares inaccesibles.
Compact size for use in inaccesible places.
Taille compacte pour l'utilisation dans des lieux inaccessibles.

Sin herramientas. Basta con extraer fácilmente el pasador para el cambio del cassette.
Without tools. The pin can be easily removed to change the cassette.
Sans outils. Il suffit d'extraire facilement la tige pour le changement de cassette.

Pequeño radio que permite su uso en espacios reducidos.
Small nose radius to use in small spaces.
Petit rayon qui permet son utilisation dans des espaces réduits.

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LLAVES DINAMOMÉTRICAS HIDRÁULICAS HEXAGONALES / *HEXAGONAL HIDRAULIC TORQUE WRENCHES* / CLÉS DYNAMOMÉTRIQUES HYDRAULIQUES HEXAGONALES / *HEX HYDRAULISCHE DREHMOMENTSCHLÜSSEL* / CHIAVI DINAMOMETRICHE IDRAULICHE ESAGONALI / *CHAVES DINAMOMÉTRICAS HIDRÁULICAS HEXAGONAIS* / ГИДРАВЛИЧЕСКИЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ КАССЕТНОГО ТИПА ШЕСТИГРАННЫЙ





1 Cilindro con "forma de cacahuete" / *"Peanut-shaped" cylinder* / Cylindre en "forme de cacahuète"

Fije tanto el cilindro como el cassette en zonas de difícil acceso / *Fit both the cylinder and link in confined areas* / Fixez le cylindre et la cassette dans les zones de difficile accès.

2 Acoplamiento del pistón / *Engagement rod* / Couplage du piston

En el primer movimiento embraga automáticamente / *Automatically engages link on the first stroke* / Dans le premier mouvement embraie automatiquement

3 Trinquete anti-bloqueo / *Never-lock drive paw* / Cliquet anti blocage

Asegura que no se bloquee nunca la herramienta / *Ensures tool will never lock on* / Assure que l'outil ne se bloque jamais

4 Trinquete multi-dentado / *Multi-tooth ratchet* / Cliquet multi dentelé

Permite una precisión de carrera de apriete de 27 grados / *Allows for 27 degree torque stroke accuracy* / Permet une précision de parcours de serrage de 27 degrés

5 Disco de arrastre de una sola pieza / *One piece drive plate* / Disque de traînage d'une seule pièce

Una combinación robusta que permite radios de curvatura pequeños / *Robust alloy provides for small nose radius* / Une combinaison robuste qui permet d'obtenir des petits rayons de courbure

6 Pasador de enganche / *Link pin* / Goupille d'accrochage

Pasador para engancharlo al engranaje del cilindro. No se necesitan herramientas / *One pin for link to cylinder engagement, no tools required* / Tige de crochet pour l'accrocher à l'engrenage du cylindre. Pas besoin d'outils

7 Superficie de reacción en línea / *In-line reaction pad* / Surface de réaction en ligne

Asegura todo el tiempo una reacción libre / *Assures free reaction every time* / Assure tout le temps une réaction libre

8 Pasador de alineación de acero / *Steel alignment pin* / Tige d'alignement en acier

Asegura una carga de desplazamiento igual entre las placas laterales / *Assures equal load displacement between side plates* / Assure une charge de déplacement pareil entre les plaques latérales

9 Diseño completamente delgado / *Completely flat design* / Design complètement mince

El ancho del cilindro y del cassette son iguales para espacios estrechos / *Cylinder and link width are equal for tight fits* / La largeur du cylindre et de la cassette son pareil pour des espaces étroits

10 Conector 360˚x360˚ / *360˚x360˚ swivel* / Connecteur 360˚x360˚

Permite el despeje de las mangueras en todas las aplicaciones / *Allows hose to be cleared on all applications* / Permet le dégagement des tuyaux d'arrosage dans toutes les applications

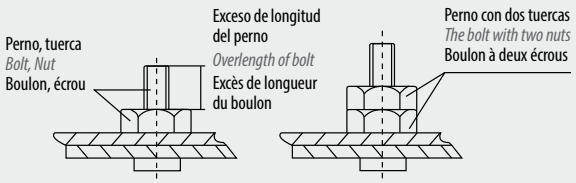
11 Sellado hermético de teflón / *Propietary piston seal* / Scellé hermétiquement en téflon

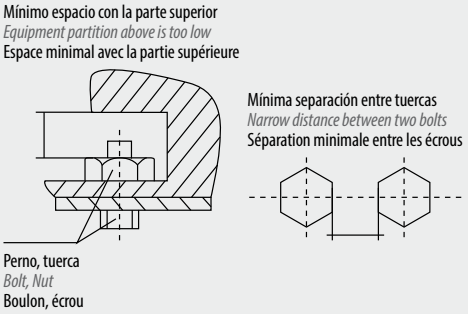
Evita tareas de mantenimiento durante años / *Provides years of maintenance free use* / Évite les tâches de maintenance pendant des années

12 Pasador / *Slider* / Tige

Evita el desgaste del pistón y del disco de transmisión y reduce los costes de reparación / *Prevents wear of piston and drive plate and reduces cost of repairs* / Évite l'usure du piston et du disque de transmission et réduit les coûts de réparation

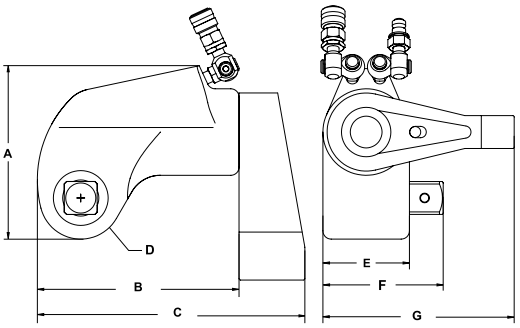
ALGUNAS SITUACIONES DONDE PUEDEN SER ÚTILES LAS LLAVES HIDRÁULICAS HEXAGONALES
SOME SITUATIONS WHERE HEXAGONAL TORQUE WRENCHES CAN BE USEFUL
QUELQUES SITUATIONS OÙ LES CLÉS HYDRAULIQUES HEXAGONALES PEUVENT ÊTRE UTILES





LLAVES DINAMOMÉTRICAS HIDRAÚLICAS / *HYDRAULIC TORQUE WRENCHES* / CLÉS DYNAMOMÉTRIQUES HYDRAULIQUES / *HYDRAULISCHE DREHMOMENTSCHLÜSSEL* / CHIAVI DINAMOMETRICHE IDRAULICHE / *CHAVES DINAMOMÉTRICAS HIDRÁULICAS* / ГИДРАВЛИЧЕСКИЕ ДИНАМОМЕТРИЧЕСКИЕ КЛЮЧИ

LLAVES DINAMOMÉTRICAS HIDRAÚLICAS DE CUADRADO CONDUCTOR / *SQUARE DRIVE HYDRAULIC TORQUE WRENCHES* / CLÉS DYNAMOMÉTRIQUES HYDRAULIQUES DE CARRÉ CONDUCTEUR / *QUDRAT HYDRAULISCHE DREHMOMENTSCHLÜSSEL* / CHIAVI DINAMOMETRICHE IDRAULICHE CON ATTACCO QUADRO / *CHAVES DINAMOMÉTRICAS HIDRÁULICAS DE QUADRADO CONDUTOR* / ГИДРАВЛИЧЕСКИЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ С ПРИСОЕДИНИТЕЛЬНЫМ КВАДРАТОМ





Zonas / *Zones*
1, 2 GAS / *GAZ*

COD.	AF inch	N.m	Ft.lb	Precisión / *Accuracy* / Précision	Repit.	Ciclo de trabajo / *Duty cicle* / Cycle de travail	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Kg
56578	3/4	172-1722	127-1270	±3%	100%	100%	105	120	160	25	50	70	110	1,7
56572	1	447-4514	330-3330				135	155	210	33	65	95	150	4,0
56579	1.1/2	1003-10031	740-7400				180	210	280	45	90	130	200	8,5
56580		1491-14925	1100-11010				200	230	310	49	100	140	220	13
56581	2.1/2	2630-27964	1940-20625				230	240	410	60	125	180	280	28
56582		3687-36872	2720-27200				260	310		65	135	190	300	32
56583		7862-78625	5800-58000				290	390	520	80	165	230	360	60

12M

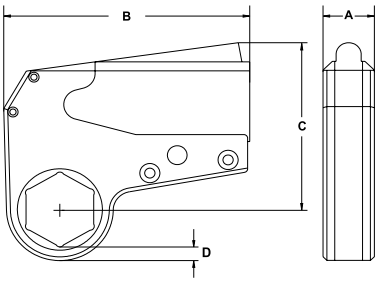
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Designación ATEX / *ATEX marking* / Marquage ATEX	II 2 G Ex c IIB T4

EGA Master
ART IN INNOVATION

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

LLAVES DINAMOMÉTRICAS HIDRÁULICAS HEXAGONALES / *HEXAGONAL HYDRAULIC TORQUE WRENCHES* / CLÉS DYNAMOMÉTRIQUES HYDRAULIQUES HEXAGONALES / *HEX HYDRAULISCHE DREHMOMENTSCHLÜSSEL* / CHIAVI DINAMOMETRICHE IDRAULICHE ESAGONALI / *CHAVES DINAMOMÉTRICAS HIDRÁULICAS HEXAGONAIS* / ГИДРАВЛИЧЕСКИЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ КАССЕТНОГО ТИПА ШЕСТИГРАННЫЙ

UNIDAD DE IMPULSIÓN / *DRIVE UNIT* / UNITÉ D'IMPULSION / *ANTRIEB* / UNITÀ DISCO / *UNIDADE DE IMPULSÃO* / СИЛОВОЙ ПРИВОД





Zonas / *Zones*
1, 2 GAS / *GAZ*

COD.		N.m	Ft.lb	Kg	Kg	Precisión / *Accuracy* / Précision	Repit.	Ciclo de trabajo / *Duty cicle* / Cycle de travail	A (mm)	B (mm)	C (mm)	D (mm)
56586	56594, 56620	61-759	45-560	0,5	0,5				20	110	85	6
56573	56621, 56653, 56574	260-2614	192-1928	1,5	1,0-1,5				32	165	100	9
56587	56654, 56691	535-5335	395-3950	2,7	2,4-3,4				41	200	145	12
56588	56692, 56732	1125-11699	830-8630	5	5,5-6,5	±3%	100%	100%	50	260	180	14
56589	56733, 56790	2115-22503	1560-16600	7,5	9,5-13				65	330	195	17
56590	56791, 56882	4365-48335	3220-35650	12	13- 18				80	400	240	24
56591		6575-64239	4850-47380	13	13-18				125	430	260	

Ex | 12M

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Cassete no incluido / *Cassete not included* / Cassette non incluse	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2 G Ex c IIB T4

REDUCTOR HEXAGONAL / *HEX REDUCER* / RÉDUCTEUR HEXAGONAL / *HEX-REDUZIERER* / RIDUTTORE ESAGONALE / *REDUTOR HEXAGONAL* / ШЕСТИГРАННЫЙ РЕДУКТОР

NUEVO

COD.		IN	OUT
1XXYY	56586	Medida del hexágono de la máquina (Tabla 2) / *Machine hexagon size (Table 2)* / Taille de l'hexagone de la machine (Tableau 2)	Medida de tuerca que se necesita apretar (Tabla 2) / *Size of the hexagon of the nut to be tightened (Table 2)* / Taille de l'hexagone de l'écrou à serrer (Tableau 2)
2XXYY	56573		
3XXYY	56587		
4XXYY	56588		
5XXYY	56589		
6XXYY	56590, 56591		

12M

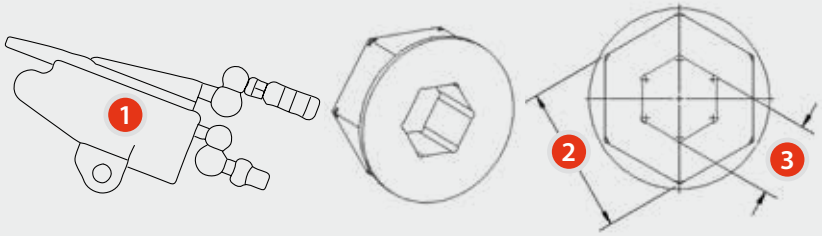


BE SAFE...BE EFFICIENT

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

Para una correcta elección, es necesario definir los siguientes parámetros: / *For a correct choice, it is necessary to define the following parameters:* / Pour un choix correct, il est nécessaire de définir les paramètres suivants :

1. Grupo hex. reductor (según unidad de impulsión)/ *Hex reducer group (depending on the drive unit)*/ Groupe hex. réducteur (selon unité d'entraînement)
2. Medida del hexágono de entrada (XX)/ *Inlet hexagon size (XX)*/ Mesure de l'hexagone d'entrée (XX)
3. Medida del hexágono de salida (YY)/ *Outlet hexagon size (YY)*/ Mesure de l'hexagone de sortie (YY)



EJEMPLO DE COMPOSICIÓN DE CÓDIGO / *CODE CONSTRUCTION EXAMPLE* / EXEMPLE DE COMPOSITION DE CODE / *BEISPIEL FÜR CODEZUSAMMENSETZUNG* / ESEMPIO DI COMPOSIZIONE DEL CODICE / *EXEMPLO DE COMPOSIÇÃO DE CÓDIGO* / ПРИМЕР СОПОСТАВЛЕНИЯ КОДА



1. Unidad de impulsión **56587** TABLA 1 **Grupo** hex. reductor = **3**
   Drive unit **56587** TABLE 1 *Hex. reducer* **group** = **3**
   Unité d'impulsion **56587** TABLEAU 1 **Groupe** hex. réducteur = **3**
2. Cassette **56679** (60mm) TABLA 2 XX 60mm = **E4**
   Hexagonal link **56679** *(60mm)* TABLE 2 *XX 60mm* = **E4**
   Cassette **56679** (60mm) TABLEAU 2 XX 60mm = **E4**
3. Medida de tuerca TABLA 2 YY 50mm = **D6**
   Nut size TABLE 2 *YY 50mm* = **D6**
   Taille de l'écrou TABLEAU 2 YY 50mm = **D6**

Cod. 3E4D6

3	E4	D6
Grupo hex. reductor	Hex. entrada (XX)	Hex. salida (YY)
Hex. reducer group	*Hex. In (XX)*	*Hex. Out (YY)*
Groupe hex. réducteur	Hex. entrée (XX)	Hex. sortie (YY)

COMPROBACIÓN DEL CÓDIGO "TABLAS 2 Y 3" / *VERIFICATI ON OF THE OBTAINED CODE "TABLES 2 AND 3"* / VÉRIFICATION DU CODE "TABLEAUX 2 ET 3" / *PRÜFEN DES CODES "TABELLEN 2 UND 3"* / CONTROLLO DEL CODICE "TABELLE 2 E 3" / *VERIFICANDO O CÓDIGO "TABELAS 2 E 3"* / ПРОВЕРКА КОДА "ТАБЛИЦЫ 2 И 3"

TABLA 3 / TABLE 3 / TABLEAU 3

COD.		(mm)	(inch)		IN	OUT
56679	56587	60	2.3/8	3XXYY	E4	B6-E1

TABLA 2 / TABLE 2 / TABLEAU 2 **B6=**1" **E1=**55mm (2.3/16")

(YY) D6=50mm
está dentro del rango / *is inside the range* / est dans la plage
B6-E1
3E4D6 sería válido / *is valid* / serait valable

TABLAS DE SELECCIÓN DEL REDUCTOR HEXAGONAL / *HEXAGONAL REDUCER SELECTION TABLES* / TABLEAUX DE SÉLECTION DES RÉDUCTEURS HEXAGONAUX / *AUSWAHLTABELLEN FÜR SECHSKANT-REDUZIERER* / TABELLE DI SELEZIONE DEL RIDUTTORE ESAGONALE / *TABELAS DE SELEÇÃO DO REDUTOR HEXAGONAL* / ТАБЛИЦЫ ДЛЯ ВЫБОРА ШЕСТИУГОЛЬНЫХ РЕДУКТОРОВ

UNIDAD DE IMPULSIÓN / *DRIVE UNIT* / UNITÉ D´IMPULSIO / ANTRIEB / UNITÀ DISCO / UNIDADE DE IMPULSÃO / СИЛОВОЙ ПРИВОД

TABLA 1 / TABLE 1 / TABLEAU 1

		
1	56586	1XXYY
2	56573	2XXYY
3	56587	3XXYY
4	56588	4XXYY
5	56589	5XXYY
6	56590 - 56591	6XXYY

TABLA DE MEDIDAS DE REDUCTORES HEXAGONALES / *HEXAGONAL REDUCERS MEASURES TABLE* / TABLEAU DE MESURE DES RÉDUCTEURS HEXAGONAUX / TABELLE DER MASSE DER SECHSKANT-REDUZIERER / TABELLA DELLE MISURE DEI RIDUTTORI ESAGONALI / TABELA DE MEDIDAS DE REDUTORES HEXAGONAIS / ТАБЛИЦА РАЗМЕРОВ ШЕСТИУГОЛЬНЫХ РЕДУКТОРОВ

TABLA 2 / TABLE 2 / TABLEAU 2

	(mm)	(inch)		(mm)	(inch)		(mm)	(inch)
A1	-	1/2	F4	75	2.15/16	K7	140	5.1/2
A2	13	-	F5	-	3	K8	-	5.9/16
A3	-	9/16	F6	-	3.1/16	K9	-	5.5/8
A4	14	-	F7	-	3.1/8	L1	-	5.11/16
A5	-	5/8	F8	80	-	L2	145	-
A6	15	-	F9	-	3.3/16	L3	-	5.3/4
A7	17	-	G1	-	3.1/4	L4	-	5.13/16
A8	-	11/16	G2	-	3.5/16	L5	-	5.7/8
A9	19	3/4	G3	85	-	L6	150	-
B1	-	13/16	G4	-	3.3/8	L7	-	5.15/16
B2	21	-	G5	-	3.7/16	L8	-	6
B3	22	7/8	G6	-	3.1/2	L9	-	6.1/16
B4	-	15/16	G7	90	-	M1	155	-
B5	24	-	G8	-	3.9/16	M2	-	6.1/8
B6	-	1	G9	-	3.5/8	M3	-	6.3/16
B7	27	1.1/16	H1	-	3.11/16	M4	-	6.1/4
B8	-	1.1/8	H2	95	3.3/4	M5	160	-
B9	30	1.3/16	H3	-	3.13/16	M6	-	6.5/16
C1	-	1.1/4	H4	-	3.7/8	M7	-	6.3/8
C2	32	-	H5	100	3.15/16	M8	-	6.7/16
C3	-	1.5/16	H6	-	4	M9	165	6.1/2
C4	35	1.3/8	H7	-	4.1/16	N1	-	6.9/16
C5	36	-	H8	105	4.1/8	N2	-	6.5/8
C6	-	1.7/16	H9	-	4.3/16	N3	170	6.11/16
C7	38	1.1/2	I1	-	4.1/4	N4	-	6.3/4
C8	-	1.9/16	I2	-	4.5/16	N5	-	6.13/16
C9	41	1.5/8	I3	110	-	N6	-	6.7/8
D1	-	1.11/16	I4	-	4.3/8	N7	175	-
D2	-	1.3/4	I5	-	4.7/16	N8	-	6.15/16
D3	46	1.13/16	I6	-	4.1/2	N9	-	7
D4	-	1.7/8	I7	115	-	O1	-	7.1/16
D5	49	1.15/16	I8	-	4.9/16	O2	180	-
D6	50	-	I9	-	4.5/8	O3	-	7.1/8
D7	-	2	J1	-	4.11/16	O4	-	7.3/16
D8	-	2.1/16	J2	120	-	O5	-	7.1/4
D9	-	2.1/8	J3	-	4.3/4	O6	185	-
E1	55	2.3/16	J4	-	4.13/16	O7	-	7.5/16
E2	-	2.1/4	J5	-	4.7/8	O8	-	7.3/8
E3	-	2.5/16	J6	125		O9	-	7.7/16
E4	60	2.3/8	J7	-	4.15/16	P1	190	-
E5	-	2.7/16	J8	-	5	P2	-	7.1/2
E6	-	2.1/2	J9	-	5.1/16	P3	-	7.9/16
E7	65	2.9/16	K1	130	5.1/8	P4	-	7.5/8
E8	-	2.5/8	K2	-	5.3/16	P5	195	7.11/16
E9	-	2.11/16	K3	-	5.1/4	P6	-	7.3/4
F1	70	2.3/4	K4	135	5.5/16	P7	-	7.13/16
F2	-	2.13/16	K5	-	5.3/8	P8	200	7.7/8
F3	-	2.7/8	K6	-	5.7/16			

CASSETTES HEXAGONALES / *HEXAGONAL LINKS* / CASSETTES HEXAGONALES / *HEX VERBINDUNGEN* / CASSETTE ESAGONALI / *MATRIZES HEXAGONAIS* / КАССЕТЫ СМЕННЫЕ ШЕСТИГРАННЫЕ

TABLA 3 / TABLE 3 / TABLEAU 3



Zonas / *Zones*
1, 2 GAS / *GAZ*

COD.		(mm)	(inch)		IN	OUT
56594		-	1/2			
56595		13	-			
56596		-	9/16			
56597		14	-	-	-	-
56598		-	5/8			
56599		15	-			
56600		17				
56601		-	11/16		A8	A1
56602		19	3/4		A9	A1-A4
56603		-	13/16		B1	A1-A6
56604		21	-		B2	
56605		22	7/8		B3	A1-A8
56606		-	15/16		B4	A1-A9
56607	56586	24	-		B5	
56608		-	1		B6	A1-B1
56609		27	1.1/16		B7	A1-B3
56610		-	1.1/8	1XXYY	B8	A1-B4
56611		30	1.3/16		B9	A1-B6
56612		-	1.1/4		C1	A1-B7
56613		32	-		C2	
56614		-	1.5/16		C3	A1-B8
56615		35	1.3/8		C4	A1-B9
56616		36	-		C5	
56617		-	1.7/16		C6	A1-C1
56618		38	1.1/2		C7	A1-C3
56619		-	1.9/16		C8	A1-C4
56620		41	1.5/8		C9	A1-C6
56621		19	3/4			
56622		-	13/16	-	-	-
56623		22	7/8			
56624		-	15/16		B4	A9
56625		24	-		B5	
56626		-	1		B6	A9-B1
56627		27	1.1/16		B7	A9-B3
56628		-	1.1/8		B8	A9-B4
56629	56573	30	1.3/16		B9	A9-B6
56630		-	1.1/4	2XXYY	C1	A9-B7
56631		32	-		C2	
56632		-	1.5/16		C3	A9-B8
56633		35	1.3/8		C4	A9-B9
56634		36	-		C5	
56635		-	1.7/16		C6	A9-C1
56574		38	1.1/2		C7	A9-C3
56636		-	1.9/16		C8	A9-C4

COD.		(mm)	(inch)		IN	OUT
56637		41	1.5/8		C9	A9-C6
56638		-	1.11/16		D1	A9-C7
56639			1.3/4		D2	A9-C8
56640		46	1.13/16		D3	A9-C9
56641		-	1.7/8		D4	A9-D1
56642		49	1.15/16		D5	A9-D2
56643		50	-		D6	
56644			2		D7	A9-D3
56645	56573	-	2.1/16	2XXYY	D8	A9-D4
56646			2.1/8		D9	A9-D5
56647		55	2.3/16		E1	A9-D7
56648		-	2.1/4		E2	A9-D8
56649			2.5/16		E3	A9-D9
56650		60	2.3/8		E4	A9-E1
56651		-	2.7/16		E5	A9-E2
56652			2.1/2		E6	A9-E3
56653		65	2.9/16		E7	A9-E4
56654		-	1			
56655		27	1.1/16	-	-	-
56656		-	1.1/8			
56657		30	1.3/16		B9	B6
56658		-	1.1/4		C1	B6-B7
56659		32	-		C2	
56660		-	1.5/16		C3	B6-B8
56661		35	1.3/8		C4	B6-B9
56662		36	-		C5	
56663		-	1.7/16		C6	B6-C1
56664		38	1.1/2		C7	B6-C3
56665		-	1.9/16		C8	B6-C4
56666		41	1.5/8		C9	B6-C6
56667	56587	-	1.11/16		D1	B6-C7
56668			1.3/4		D2	B6-C8
56669		46	1.13/16	3XXYY	D3	B6-C9
56670		-	1.7/8		D4	B6-D1
56671		49	1.15/16		D5	B6-D2
56672		50	-		D6	
56673			2		D7	B6-D3
56674		-	2.1/16		D8	B6-D4
56675			2.1/8		D9	B6-D5
56676		55	2.3/16		E1	B6-D7
56677		-	2.1/4		E2	B6-D8
56678			2.5/16		E3	B6-D9
56679		60	2.3/8		E4	B6-E1
56680		-	2.7/16		E5	B6-E2
56681			2.1/2		E6	B6-E3

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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COD.		(mm)	(inch)		IN	OUT
56682	56587	65	2.9/16	3XXYY	E7	B6-E4
56683		-	2.5/8		E8	B6-E5
56684			2.11/16		E9	B6-E6
56685		70	2.3/4		F1	B6-E7
56686		-	2.13/16		F2	B6-E8
56687			2.7/8		F3	B6-E9
56688		75	2.15/16		F4	B6-F1
56689			3		F5	B6-F2
56690		-	3.1/16		F6	B6-F3
56691			3.1/8		F7	B6-F4
56692	56588		1.7/8	-	-	-
56693		49	1.15/16			
56694		50	-			
56695			2			
56696		-	2.1/16	4XXYY	D8	D4
56697			2.1/8		D9	D4-D5
56698		55	2.3/16		E1	D4-D7
56699		-	2.1/4		E2	D4-D8
56700			2.5/16		E3	D4-D9
56701		60	2.3/8		E4	D4-E1
56702		-	2.7/16		E5	D4-E2
56703			2.1/2		E6	D4-E3
56704		65	2.9/16		E7	D4-E4
56705		-	2.5/8		E8	D4-E5
56706			2.11/16		E9	D4-E6
56707		70	2.3/4		F1	D4-E7
56708		-	2.13/16		F2	D4-E8
56709			2.7/8		F3	D4-E9
56710		75	2.15/16		F4	D4-F1
56711			3		F5	D4-F2
56712		-	3.1/16		F6	D4-F3
56713			3.1/8		F7	D4-F4
56714		80	-		F8	
56715			3.3/16		F9	D4-F5
56716		-	3.1/4		G1	D4-F6
56717			3.5/16		G2	D4-F7
56718		85	-		G3	D4-F8
56719			3.3/8		G4	D4-F9
56720		-	3.7/16		G5	D4-G1
56721			3.1/2		G6	D4-G2
56722		90	-		G7	D4-G3
56723			3.9/16		G8	D4-G4
56724		-	3.5/8		G9	D4-G5
56725			3.11/16		H1	D4-G6
56726		95	3.3/4		H2	D4-G8
56727		-	3.13/16		H3	D4-G9
56728			3.7/8		H4	D4-H1
56729		100	3.15/16		H5	D4-H2
56730		-	4		H6	D4-H3
56731			4.1/16		H7	D4-H4
56732		105	4.1/8		H8	D4-H5
56733	56589	55	2.3/16	-	-	-
56734		-	2.1/4			
56735			2.5/16			
56736		60	2.3/8	5XXYY	E4	E1
56737		-	2.7/16		E5	E1-E2
56738			2.1/2		E6	E1-E3
56739		65	2.9/16		E7	E1-E4
56740		-	2.5/8		E8	E1-E5
56741			2.11/16		E9	E1-E6

COD.		(mm)	(inch)		IN	OUT
56742	56589	70	2.3/4	5XXYY	F1	E1-E7
56743		-	2.13/16		F2	E1-E8
56744			2.7/8		F3	E1-E9
56745		75	2.15/16		F4	E1-F1
56746			3		F5	E1-F2
56747		-	3.1/16		F6	E1-F3
56748			3.1/8		F7	E1-F4
56749		80	-		F8	
56750			3.3/16		F9	E1-F5
56751		-	3.1/4		G1	E1-F6
56752			3.5/16		G2	E1-F7
56753		85	-		G3	E1-F8
56754			3.3/8		G4	E1-F9
56755		-	3.7/16		G5	E1-G1
56756			3.1/2		G6	E1-G2
56757		90	-		G7	E1-G3
56758			3.9/16		G8	E1-G4
56759		-	3.5/8		G9	E1-G5
56760			3.11/16		H1	E1-G6
56761		95	3.3/4		H2	E1-G8
56762		-	3.13/16		H3	E1-G9
56763			3.7/8		H4	E1-H1
56764		100	3.15/16		H5	E1-H2
56765		-	4		H6	E1-H3
56766			4.1/16		H7	E1-H4
56767		105	4.1/8		H8	E1-H5
56768			4.3/16		H9	E1-H6
56769		-	4.1/4		I1	E1-H7
56770			4.5/16		I2	E1-H8
56771		110	-		I3	
56772			4.3/8		I4	E1-H9
56773		-	4.7/16		I5	E1-I1
56774			4.1/2		I6	E1-I2
56775		115	-		I7	E1-I3
56776			4.9/16		I8	E1-I4
56777		-	4.5/8		I9	E1-I5
56778			4.11/16		J1	E1-I6
56779		120	-		J2	E1-I7
56780			4.3/4		J3	E1-I8
56781		-	4.13/16		J4	E1-I9
56782			4.7/8		J5	E1-J1
56783		125	-		J6	E1-J2
56784			4.15/16		J7	E1-J3
56785		-	5		J8	E1-J4
56786			5.1/16		J9	E1-J5
56787		130	5.1/8		K1	E1-J7
56788		-	5.3/16		K2	E1-J8
56789			5.1/4		K3	E1-J9
56790		135	5.5/16		K4	E1-K1
56791	56590, 56591	-	3.1/8	-	-	-
56792		80	-			
56793			3.3/16			
56794		-	3.1/4			
56795			3.5/16	6XXYY	G2	F7
56796		85	-		G3	F7-F8
56797			3.3/8		G4	F7-F9
56798		-	3.7/16		G5	F7-G1
56799			3.1/2		G6	F7-G2
56800		90	-		G7	F7-G3

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

COD.		(mm)	(inch)		IN	OUT
56801			3.9/16		G8	F7-G4
56802		-	3.5/8		G9	F7-G5
56803			3.11/16		H1	F7-G6
56804		95	3.3/4		H2	F7-G8
56805		-	3.13/16		H3	F7-G9
56806			3.7/8		H4	F7-H1
56807		100	3.15/16		H5	F7-H2
56808		-	4		H6	F7-H3
56809			4.1/16		H7	F7-H4
56810		105	4.1/8		H8	F7-H5
56811			4.3/16		H9	F7-H6
56812		-	4.1/4		I1	F7-H7
56813			4.5/16		I2	F7-H8
56814		110	-		I3	
56815			4.3/8		I4	F7-H9
56816		-	4.7/16		I5	F7-I1
56817			4.1/2		I6	F7-I2
56818		115	-		I7	F7-I3
56819			4.9/16		I8	F7-I4
56820		-	4.5/8		I9	F7-I5
56821			4.11/16		J1	F7-I6
56822		120	-		J2	F7-I7
56823			4.3/4		J3	F7-I8
56824		-	4.13/16		J4	F7-I9
56825			4.7/8		J5	F7-J1
56826		125	-		J6	F7-J2
56827			4.15/16		J7	F7-J3
56828		-	5		J8	F7-J4
56829			5.1/16		J9	F7-J5
56830	56590, 56591	130	5.1/8	6XXYY	K1	F7-J7
56831		-	5.3/16		K2	F7-J8
56832			5.1/4		K3	F7-J9
56833		135	5.5/16		K4	F7-K1
56834		-	5.3/8		K5	F7-K2
56835			5.7/16		K6	F7-K3
56836		140	5.1/2		K7	F7-K4
56837			5.9/16		K8	F7-K5
56838		-	5.5/8		K9	F7-K6
56839			5.11/16		L1	F7-K7
56840		145	-		L2	
56841			5.3/4		L3	F7-K8
56842		-	5 13/16		L4	F7-K9
56843			5.7/8		L5	F7-L1
56844		150	-		L6	F7-L2
56845			5.15/16		L7	F7-L3
56846		-	6		L8	F7-L4
56847			6.1/16		L9	F7-L5
56848		155	-		M1	F7-L6
56849			6.1/8		M2	F7-L7
56850		-	6.3/16		M3	F7-L8
56851			6.1/4		M4	F7-L9
56852		160	-		M5	F7-M1
56853			6.5/16		M6	F7-M2
56854		-	6.3/8		M7	F7-M3
56855			6.7/16		M8	F7-M4
56856		165	6.1/2		M9	F7-M6
56857		-	6.9/16		N1	F7-M7
56858			6.5/8		N2	F7-M8
56859		170	6.11/16		N3	F7-M9
56860			6.3/4		N4	F7-N1
56861		-	6.13/16		N5	F7-N2
56862			6.7/8		N6	F7-N3
56863		175	-		N7	
56864			6.15/16		N8	F7-N4
56865		-	7		N9	F7-N5
56866			7.1/16		O1	F7-N6
56867		180	-		O2	F7-N7
56868			7.1/8		O3	F7-N8
56869		-	7.3/16		O4	F7-N9
56870			7.1/4		O5	F7-O1
56871	56590, 56591	185	-	6XXYY	O6	F7-O2
56872			7.5/16		O7	F7-O3
56873		-	7.3/8		O8	F7-O4
56874			7.7/16		O9	F7-O5
56875		190	-		P1	F7-O6
56876			7.1/2		P2	F7-O7
56877		-	7.9/16		P3	F7-O8
56878			7.5/8		P4	F7-O9
56879		195	7.11/16		P5	F7-P2
56880		-	7.3/4		P6	F7-P3
56881			7.13/16		P7	F7-P4
56882		200	7.7/8		P8	F7-P5

12M

ESPECIFICACIONES / *SPECIFICATION* / DÉTAILS

Designación ATEX / *ATEX marking* / Marquage ATEX	II 2 G Ex c IIB T4

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

BOMBAS HIDRÁULICAS / *HYDRAULIC POWER UNIT PUMP* / POMPES HYDRAULIQUES / *HYDRAULISCHE PUMPE* / POMPE IDRAULICHE / *BOMBAS HIDRÁULICAS* / ГИДРАВЛИЧЕСКАЯ СТАНЦИЯ

Las bombas hidráulicas de EGA Master han sido diseñadas de acuerdo a las necesidades del usuario final. Disponibles para el funcionamiento con una única herramienta o con hasta cuatro herramientas simultáneamente, estas bombas están fabricadas para trabajar en entornos adversos, y permiten el ajuste de la presión deseada para garantizar la salida de par correcta a su aplicación.

Además de las bombas de accionamiento eléctrico (115VAC o 230VAC), EGA Master ofrece bombas de accionamiento neumático para ambientes explosivos o en aplicaciones donde la electricidad esté inaccesible.

EGA Master's hydraulic power unit pumps have been designed according to the needs of the end user. They enable simultaneous use of four wrenches. EGA Master power units are manufactured to work in adverse environments, allowing pressure adjustment to assure the correct torque output to each application.

In addition to the electric drive hydraulic pumps (115VAC or 230VAC), EGA Master provides air drive hydraulic pumps to use them in explosive environments or in applications where the electricity is not available.

Les pompes hydrauliques d'EGA Master ont été conçues selon les nécessités de l'utilisateur final. Disponibles pour le fonctionnement avec un seul outil ou même quarte outils simultanément, ces pompes sont fabriquées pour travailler dans des environnements adverses, et permettent l'ajustement de la pression désirée pour garantir la sortie correcte de couple pendent son application.

En plus des pompes d'actionnement électrique (115VAC o 230VAC), EGA Master offre des pompes d'actionnement pneumatique pour des environnements explosifs ou dans des applications où l'électricité est inaccessible.

DE ACCIONAMIENTO ELÉCTRICO / *ELECTRIC DRIVE* / D'ACCIONNEMENT ÉLECTRIQUE / *ELECTRISCHE ANTRIEB* / AVVIAMENTO ELETTRICO / *DE ACCIONAMENTO ELÉCTRICO* / ГИДРАВЛИЧЕСКАЯ СТАНЦИЯ С ЭЛЕКТРОПРИВОДОМ

COD.	kW	V	CAP. L
56888	0,8	115 VAC	5,5
56889		230 VAC	

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Puertos / *Ports* / Ports	1
Para uso con / *For use with* / Pour utilisation avec	56572, 56573, 56578, 56579, 56586, 56587, 56588
Caudal / *Flow rate* / Débit	8,6l/min. @ 75 bar / 0,75l/min @ 700 bar
Botón de control de presión / *Pressure control button* / Bouton de contrôle de pression	●
Mando de control remoto (4 m) / *Remote pendant (4 m)* / Commande à distance (4 m)	●
Manguera hidráulica doble / *Twinline Hydraulic hose* / Tuyau hydraulique double	4,5 m
Peso sin aceite / *Weight without oil* / Poids sans huile	22 Kg

COD.	kW	V	CAP. L
56885	1,1	115 VAC	5,5
56575		230 VAC	
56886		115 VAC	7,5
56887		230 VAC	

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Puertos / *Ports* / Ports		
	56885	1
	56575	1
	56886	4
	56887	4
Para uso con / *For use with* / Pour utilisation avec		56572, 56573, 56578, 56579, 56580, 56581, 56582, 56583, 56586, 56587, 56588, 56589, 56590, 56591
Caudal / *Flow rate* / Débit		11,5l/min. @ 75 bar / 0,9l/min @ 700 bar
Botón de control de presión / *Pressure control button* / Bouton de contrôle de pression		●
Mando de control remoto (4 m) / *Remote pendant (4 m)* / Commande à distance (4 m)		●
Manguera hidráulica doble / *Twinline Hydraulic hose* / Tuyau hydraulique double		4,5 m
Peso sin aceite / *Weight without oil* / Poids sans huile		
	56885	29 Kg
	56575	29 Kg
	56886	30 Kg
	56887	30 Kg

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DE ACCIONAMIENTO NEUMÁTICO / *AIR DRIVE* / D'ACCIONNEMENT PNEUMATIQUE / *PNEUMATISCHER ANTRIEB* / AVVIAMENTO PNEUMATICO / *DE ACCIONAMENTO PNEUMÁTICO* / ГИДРАВЛИЧЕСКАЯ СТАЦИЯ С ПНЕВМОПРИВОДОМ

COD.	kW	CAP. L
56890	4,5	7,5
56891		

CE I 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Puertos / *Ports* / Ports	
56890	1
56891	4
Para uso con / *For use with* / Pour utilisation avec	56572, 56573, 56578, 56579, 56580, 56581, 56582, 56583, 56586, 56587, 56588, 56589, 56590, 56591
Caudal / *Flow rate* / Débit	11,5l/min. @ 75 bar / 0,9l/min @ 700 bar
Botón de control de presión / *Pressure control button* / Bouton de contrôle de pression	●
Mando de control remoto (4 m) / *Remote pendant (4 m)* / Commande à distance (4 m)	●
Manguera hidráulica doble / *Twinline Hydraulic hose* / Tuyau hydraulique double	4,5 m
Peso sin aceite / *Weight without oil* / Poids sans huile	33 Kg

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description		Kg
56892	Manguera hidráulica bitubo / *Dual hydraulic hose* / Tuyau hidraulique multicouche	4,5	4,0
56894		6	
56898		9	5,0

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Para bombas / *For pumps* / Pour pompes	56888, 56889, 56885, 56575, 56886, 56887, 56890, 56891

COD.	Descripción / *Description* / Description	Kg
56893	Colector de 4 puertos / *4 ports manifold* / Collecteur de 4 ports	4,0

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Para bombas / *For pumps* / Pour pompes	56885, 56575, 56890

BE SAFE...BE EFFICIENT

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

BOMBAS HIDRÁULICAS ATEX / *ATEX HYDRAULIC POWER UNIT PUMP* / POMPES HYDRAULIQUES ATEX / *HYDRAULISCHE PUMPE ATEX* / POMPE IDRAULICHE ATEX / *BOMBAS HIDRÁULICAS ATEX* / ГИДРАВЛИЧЕСКАЯ СТАНЦИЯ ATEX

DE ACCIONAMIENTO ELÉCTRICO / *ELECTRIC DRIVE* / D'ACCIONNEMENT ÉLECTRIQUE / *ELECTRISCHE ANTRIEB* / AVVIAMENTO ELETTRICO / *DE ACCIONAMENTO ELÉCTRICO* / ГИДРАВЛИЧЕСКАЯ СТАНЦИЯ С ЭЛЕКТРОПРИВОДОМ

La bomba hidráulica ATEX EGA Master 76757 no solo aporta las mejores prestaciones en cuanto a presión y caudal para un trabajo rápido y ergonómico , sino que asegura el cumplimiento de las medidas de seguridad exigidas por la Directiva 2014/34/UE para ambientes explosivos.

The EGA Master ATEX hydraulic power unit pump 76757, not only provides the best features in terms of pressure and flow for a quick an ergonomic work, but also ensures the fulfilment of the safety measures required by 2014/34/UE Directive for explosive environments.

La pompe hydraulique ATEX EGA Master 76757 non seulement proportionne les meilleures performances en termes de pression et de débit pour un travail rapide et ergonomique, mais elle assure également l'accomplissement des mesures de sécurité requises par la directive 2014/34/UE pour les environnements explosifs.

COD.
76757

Ex CE 12M



Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hidraulic* / Hudraulique
Voltaje / *Voltage* / Voltage	400 V
Potencia / *Power* / Puissance	1,1 kW
Capacidad / *Capacity* / Capacité	10 L
Caudal / *Flow rate* / Débit	7,5l/min. @ 70 bar / 0,9l/min @ 700 bar
Puertos / *Ports* / Ports	4
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex IIB T3 Gb X

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	Conexión / *Connection* / Connexion	
79999	Manguera bitubo / *Twin hose* / Tuyau bitube	1/4"	10 m

12M



ACEITE HIDRAÚLICO / *HYDRAULIC OIL* / HUILE HYDRAULIQUE / *HYDRAULISCHES ÖL* / OLIO IDRAULICO / *ÓLEO HIDRÁULICO* / ГИДРАВЛИЧЕСКОЕ МАСЛО

COD.	CAP. L	Kg
79815	20	17

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Para bombas / *For pumps* / Pour pompes	56888, 56889, 56885, 56575, 56886, 56887, 56890, 56891, 76757



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ROMPETUERCAS HIDRÁULICO / *HYDRAULIC NUT SPLITTER* / CASSE-ÉCROU HYDRAULIQUE / *HYDRAULIK MUTTERZERSTÖRER* / SPACCADADI IDRAULICO / *PARTE PORCAS HIDRÁULICO* / ГИДРАВЛИЧЕСКИЙ РАЗРУШИТЕЛЬ ГАЕК

Los rompetuercas de EGA Master han sido diseñados para extraer tuercas oxidadas o atoradas de manera rápida y eficaz.

Es una herramienta exclusiva con un cabezal diseñado para acceder fácilmente a la tuerca, equipada con una cuchilla de alta precisión y concebida para una vida prolongada, pudiendo ser rectificada o sustituida con rapidez.

EGA Master ofrece una gama de rompetuercas que permiten extraer tuercas hexagonales con distancia entre caras 10-41 mm.

EGA Master's hydraulic nut splitters have been designed for removal rusted or stuck nuts quickly and effectively.

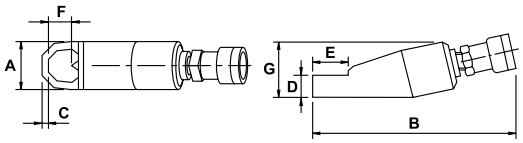
It is a unique tool with a head designed to access easily to the nut, equipped with a high-precision blade and designed for a long life; it can be rectified or replaced quickly.

EGA Master offers a range of hydraulic tools which can remove hexagonal nuts whose across flat distance is between 10 to 41 mm.

Les casse-écrous EGA Master sont conçus pour extraire des écrous oxydés ou bouchés de manière rapide et efficace.

C'est un outil exclusif à tête conçue pour avoir accès rapide à l'écrou, équipé d'une lame de haute précision et conçu pour une durée de vie plus longue, avec la possibilité d'être changée ou substituée avec rapidité.

EGA Master offre une gamme de casse-écrous qui permet d'extraire des écrous hexagonaux dont la distance entre les faces est de 10-41 mm.



COD.	M	AF mm	TONS.	CAP. cm³	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
57496	M6-M12	10-19	5	15	45	190	10	20	32	20	55
57497	M12-M16	19-24	10	20	52	214		26	40	27	65
57498	M16-M22	24-32	15	60	62	240	13	30	55	36	80
57502	M22-M27	32-41	20	80	73	268	17	36	67	44	90

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Peso con aceite / *Weight with oil* / Poids avec huile	
57496	1,5 Kg
57497	2 kg
57498	3 Kg
57502	4,5 Kg
Válvula de seguridad interna / *Internal safety valve* / Valve de sécurité interne	●
Cilindro de retroceso con resorte / *Spring return cylinder* / Cylindre de recul avec ressort	●
No utilizar con tuercas cuadradas / *Not to be used on square nuts* / Ne pas utiliser avec des écrous carrés	●
Máxima dureza a cortar / *Maximum hardness to split* / Dureté max de coupe	44 HRC
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	700 bar / 10,000 psi
Conexión / *Connection* / Connexion	Acople rápido, métrica 16 x 1,5 mm / *Quick coupler, metric 16 x 1,5 mm* / Couplage rapide, métrique 16 x 1,5 mm

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

SEPARADOR DE BRIDAS HIDRÁULICO / *HYDRAULIC FLANGE SPREADERS* / SÉPARATEUR DE BRIDES HYDRAULIQUE / *HYDRAULIK FLANSCHSPREIZER* / SEPARATORE DI FASCETTE IDRAULICO / *SEPARADOR DE FLANGES HIDRÁULICO* / ГИДРАВЛИЧЕСКИЙ РАЗБРАСЫВАТЕЛЬ ФЛАНЦА

Los separadores hidráulicos de EGA Master han sido diseñados para facilitar al operario el mantenimiento de las bridas de las tuberías de forma segura.

Gracias a la cuña de separación, los separadores hidráulicos de EGA Master tienen una fuerza de separación de hasta 14 toneladas, con cilindro compacto, proporcionando una apertura suave y uniforme de la brida.

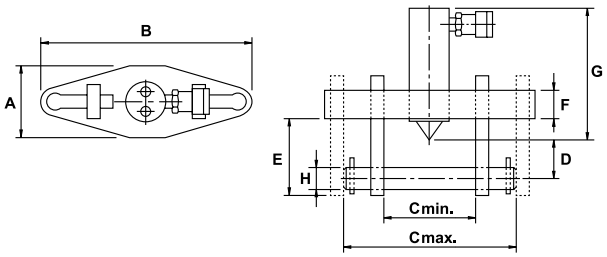
EGA Master's hydraulic flangue spreaders have been designed to provide securely the pipe flange maintenance to the operator.

Thanks to the spreaders wedge, EGA Master's hydraulic flange spreaders have a spreading force up to 14 tons, with compact cylinder providing a soft and uniform opening flange.

Les séparateurs hydrauliques EGA Master sont conçus pour faciliter à l'ouvrier la maintenance des brides de tubes de manière sûre.

Grâce au coin de séparation, les séparateurs hydrauliques EGA Master ont une force de séparation qui arrive jusqu'à 10 tonnes, avec cylindre compacte, proportionnant une ouverture de la bride douce et uniforme.

CON PASADOR / *WITH STUD* / AVEC GOUPILLE / *MIT STIFT* / CON PERNO / *COM PASSADOR* / С ЗАКЛЁПКОЙ



COD.	Max Max	mm	TONS.	A (mm)	B (mm)	C min. (mm)	C max. (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	CAP. cm³
57522	2 x 57	1,5-34	5	75	210	70	150	30	90	25	155	18	200
57507	2 x 85	3-43	10	110	280	105	210	45	115	38	205	27	

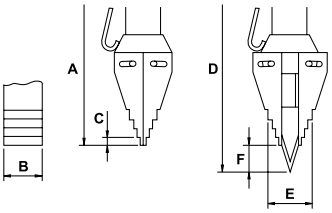
12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Peso con aceite / *Weight with oil* / Poids avec huile		
	57522	5 Kg
	57507	12 Kg
Tamaño del pasador / *Stud size* / Dimensions de la goupille		
	57522	18 mm
	57507	27 mm
Carrera / *Stroke* / Parcours		
	57522	38 mm
	57507	54 mm
Válvula de seguridad interna / *Internal safety valve* / Valve de sécurité interne		●
Cilindro de retroceso con resorte / *Spring return cylinder* / Cylindre de recul avec ressort		●
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail		700 bar / 10,000 psi
Conexión / *Connection* / Connexion		Acople rápido con rosca, 1" UNS / *Quick coupler screw type, 1" UNS* / Couplage rapide filetage, 1" UNS

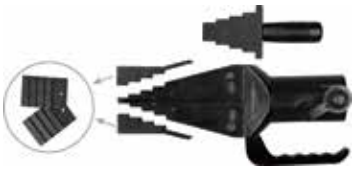
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ESCALONADO / *STEPPED* / ÉCHELONNÉ / *STUFENFORMIG* / SVASATORE / *ESCALONADO* / СТУПЕНЧАТЫЙ



COD.	mm	mm	TONS.	CAP. cm³	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
57524	6	75	14	78	290	65	15	320	60	35

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Peso con aceite / *Weight with oil* / Poids avec huile	7,1 Kg
Bloques escalonados / *Stepped blocks* / Blocs échelonnés	2 pcs
Bloques de seguridad / *Safety block* / Bloc de sécurité	1 pc
Válvula de seguridad interna / *Internal safety valve* / Valve de sécurité interne	●
Cilindro de retroceso con resorte / *Spring return cylinder* / Cylindre de recul avec ressort	●
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	700 bar / 10,000 psi
Conexión / *Connection* / Connexion	Acople rápido con rosca, 1" UNS / *Quick coupler screw type, 1" UNS* / Couplage rapide filetage, 1" UNS

BOMBAS HIDRÁULICAS MANUALES / *MANUAL HYDRAULIC PUMP* / POMPES HYDRAULIQUES MANUELLES / *MANUELLE HYDRAULIK PUMPE* / POMPA IDRAULICA MANUALE / *BOMBAS HIDRÁULICAS MANUAIS* / НАСОС РУЧНОЙ ГИДРАВЛИЧЕСКИЙ

Las bombas hidráulicas manuales de EGA Master han sido diseñadas para trabajar a una presión máxima de trabajo de 700bar, fabricadas en acero para alargar su vida útil.

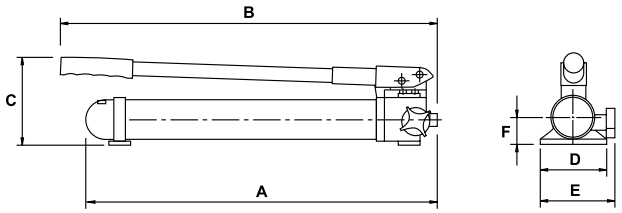
Las bombas hidráulicas manuales de EGA Master incorporan una válvula interna de alivio de presión para dar seguridad al operario y a la bomba en caso de sobrecargas por encima de 700 bar.

EGA Master's manual hydraulic pumps have been designed to work to maximum working pressure of 700bar, made of steel to extend its life.

Manual hydraulic pumps of EGA Master incorporate an internal safety valve to provide security of the operator and pump in case of over pressurisation above 700 bar.

Les pompes hydrauliques manuelles EGA Master sont conçues pour travailler à une pression maximale de 700bar, faites en acier pour prolonger sa vie utile.

Les pompes hydrauliques manuelles EGA Master incorporent une valve de surpression intérieure pour la sécurité de l'ouvrier et de la pompe en cas de surcharge supérieure à 700 bar.



COD.	CAP. cm³	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
57504	700	550	550	150	130	150	50
57505	2700	600	650	200	135		

12M



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Para uso con / *For use with* / Pour utilisation avec	57496, 57497, 57498, 57502, 57522, 57507, 57524
Peso con aceite / *Weight with oil* / Poids avec huile	
57504	10 Kg
57505	14 Kg
Manguera hidráulica / *Hydraulic hose* / Tuyau hydraulique	1,5 m
Válvula de seguridad interna / *Internal safety valve* / Valve de sécurité interne	●
Tipo de bomba / *Bomb type* / Type de pompe	
57504	1-VELO
57505	2-VELO
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	700 bar / 10,000 psi
Fuerza máxima de bombeo / *Maximum pumping force* / Force maximale du pompage	35 Kg
Válvula externa de alivio / *External pressure release valve* / Valve de surpression externe	●
Conexión / *Connection* / Connexion	Acople rápido, métrica 16 x 1,5 mm / *Quick coupler, metric 16 x 1,5 mm* / Couplage rapide, métrique 16 x 1,5 mm
Rosca / *Thread* / Filet	1/4"



12

HERRAMIENTA NEUMÁTICA
PNEUMATIC TOOLS
OUTIL PNEUMATIQUE
PNEUMATISCHE WERKZEUGE
UTENSILE PNEUMATICI
FERRAMENTA PNEUMÁTICA
ПНЕВМОИНСТРУМЕНТЫ



HERRAMIENTA NEUMÁTICA
PNEUMATIC TOOLS
OUTIL PNEUMATIQUE

Las llaves de impacto neumáticas EGA Master están diseñadas para ofrecer un alto par de salida con un esfuerzo mínimo para el usuario, en campos como pueden ser reparación de automóviles, equipo pesado de mantenimiento, montaje de productos principales de construcción y para el lugar donde se precise una gran capacidad de par.

***EGA Master** pneumatic impact wrenches are designed to deliver high torque output with minimal exertion by the user, in fields such as automotive repair , heavy equipment maintenance, product assembly major construction, and for any place where a high torque output is needed.*

Les clés à choc pneumatiques EGA Master sont conçues pour offrir une grande paire de sortie avec l'effort le plus minime pour l'utilisateur, dans les domaines tels que la réparation automobiles, les équipements lourd d'entretien, le montage de produits principaux de construction, et pour tous ceux qui nécessitent une grande capacité de paire.



1
Motor diseñado para prevenir perdidas de aire.
Motor designed to prevent power losses.
Moteur conçu pour prévoir les pertes d'air.

2
Rotor con muelle, el cual ofrece un alto potencial de salida.
Rotor with spring which offers high power output.
Rotor avec ressort qui offre un grand potentiel de sortie.

3
Cuerpo ultra-ligero fabricado en composite.
Composite and lightweight housing.
Corps ultraléger fabriqué en composite.

4
Válvula especial One-piece diseñada para facilitar su mantenimiento.
Special One-piece Valve designed for easy maintenance.
Soupape spéciale One-Piece conçue pour faciliter son entretien.

5
Entrada de aire rotatoria 360°.
360° Swivel Air Inlet.
Entrée d'air rotatif 360°.

6
Silencioso - bajo nivel sonoro.
Low-noise.
Silence - faible niveau sonore.

7
Pulsador de alta sensibilidad para un suave funcionamiento.
High sensitive trigger for smooth operation.
Bouton à haute sensibilité pour un fonctionnement doux.

8
Mecanismo de golpe de doble martillo de alto rendimiento.
High performance twin hammer mechanism.
Mécanisme de coup de double marteau d'haut rendement.

9
Facilidad de cambio de dirección.
Easy change direction.
Facilité de changement de direction.

10
Conocimiento de par de apriete exacto en cada posición.
Exact tightening torque in each position.
Connaissance du couple de serrage exact à chaque position.

- **Excelente potencia** / *Excellent power* / **Excellente puissance**
- **Alta duración** / *High life* / **Longue durée**
- **Especialmente diseñado para uso industrial en automoción**
  Specially designed for industrial use in automotive service
  Spécialement conçu pour usage industriel pour l'automobile



ENSAMBLAJE / *ASSEMBLY TOOLS* / ASSEMBLAGE / *MONTAGEWERKZEUGE* / ASSEMBLAGGIO / *MONTAGEM* / СБОРКА

LLAVE DE IMPACTO CON CONTROL DE PAR / *IMPACT WRENCH WITH TORQUE CONTROL* / CLE À CHOC AVEC CONTRÔLE DE COUPLE / *SCHLAGSCHRAUBER MIT DREHMOMENTKONTROLLE* / AVVITATORE AD IMPULSI CON CONTROLLO DELLA COPPIA / *CHAVE DE IMPACTO COM CONTROLO DE PAR* / УДАРНЫЙ ПИСТОЛЕТ С КОНРОЛЕМ МОМЕНТА ЗАТЯЖКИ

COD.	AF inch	R.P.M.	Nm/Lb.ft	L (mm)	Kg
57667	1/2	7500	165 Nm / 120 ft-lb	197	2,2



COMPOSITE | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Max. Par ajuste / *Max. Tightening torque* / Max. Paire réglage	165 Nm/120 ft-lb
Pérdida max. de par / *Max. Loosening torque* / Perte max. de paire	880 Nm
Posiciones de ajuste predeterminadas / *Default torque positions* / Positions d'ajustement prédéterminées	4 + Retroceso / *4 + Reverse* / 4 + Recul
Par exacto de apriete en cada posición / *Exact tightening torque in each position* / Couple de serrage exact à chaque position	(90-110-135-165 Nm), (65-80-100-120 ft-lb)
Consumo medio de aire / *Air consumption* / Consommation d'air	132 l/min
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	86,4dBA
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	97,4 dBA
Vibración / *Vibration* / Vibration	5,8 m/s²
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Precisión / *Accuracy* / Précision	±10%
Estructura de composite / *Composite housing* / Structure de composite	●
Mecanismo de golpeo doble martillos / *Twin hammer mechanism* / Mécanisme de coup de double marteaux	●
Facilidad cambio dirección / *Easy change direction* / Facilité de changement de direction	●
Entrada de aire rotatoria 360º / *360º Swivel Air Inlet* / Entrée d'air rotatif 360º	●
Modelo ultraligero / *Light weight model* / Modèle ultraléger	●





Vasos de impacto - Cuadrado 1/2", 3/8", 1/4" y 1" - Ver capítulo de **Llaves de vaso.**
Impact socket wrenches - 1/2", 3/8", 1/4" and 1" Sq. Drive - See Socket wrenches chapter.
Douilles à choc - Carrée de 1/2", 3/8", 1/4" et 1" - Voir chapitre **Douilles.**

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

LLAVE DE IMPACTO CON CONTROL DE PAR Y DISPLAY DIGITAL / *IMPACT WRENCH WITH TORQUE CONTROL AND DIGITAL DISPLAY* / CLE À CHOC AVEC CONTRÔLE DE COUPLE ET ÉCRAN DIGITAL / *SCHLAGSCHRAUBER MIT DREHMOMENTKONTROLLE UND DIGITALER BILDSCHIRM* / AVVITATORE AD IMPULSI CON CONTROLLO DELLA COPPIA E DISPLAY DIGITALE / *CHAVE DE IMPACTO COM CONTROLO DE PAR E DISPLAY DIGITAL* / УДАРНЫЙ ПИСТОЛЕТ С КОНРОЛЕМ МОМЕНТА ЗАТЯЖКИ И ЭЛЕКТРОННЫМ ДИСПЛЕЕМ

COD.	AF inch	R.P.M.	Nm/Lb.ft	L (mm)	Kg
57668	1/2	7500	160 Nm / 120 ft-lb	197	2,6

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Max. Par ajuste / *Max. Tightening torque* / Max. Paire réglage	165 Nm / 120 ft-lb
Pérdida max. de par / *Max. Loosening torque* / Perte max. de paire	880 Nm
Posiciones de ajuste predeterminadas / *Default torque positions* / Positions d'ajustement prédéterminées	4 + Retroceso / *4 + Reverse* / 4 + Recul
Par exacto de apriete en cada posición / *Exact tightening torque in each position* / Couple de serrage exact à chaque position	(90-110-135-165 Nm), (65-80-100-118 ft-lb)
Consumo medio de aire / *Air consumption* / Consommation d'air	132 l/min
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	95,5dBA
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	106,5 dBA
Vibración / *Vibration* / Vibration	6,2m/s²
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Precisión / *Accuracy* / Précision	±10%
Controlador de presión constante 6,2 bar / *6,2 bar Pressure constant control* / Contrôle de la pression constante à 6.2 bar	●
Display digital / *Digital display* / Écran digital	●
Luces indicadoras de par correcto / *Correct tightening torque indicator lights* / Indicateurs lumineux de couple correct	●
Estructura de composite / *Composite housing* / Structure de composite	●
Mecanismo de golpeo doble martillos / *Twin hammer mechanism* / Mécanisme de coup de double marteaux	●
Facilidad cambio dirección / *Easy change direction* / Facilité de changement de direction	●
Entrada de aire rotatoria 360º / *360º Swivel Air Inlet* / Entrée d'air rotatif 360º	●
Modelo ultraligero / *Light weight model* / Modèle ultraléger	●



Vasos de impacto - Cuadrado 1/2", 3/8", 1/4" y 1" - Ver capítulo de **Llaves de vaso**.
Impact socket wrenches - 1/2", 3/8", 1/4" and 1" Sq. Drive - See Socket wrenches chapter.
Douilles à choc - Carrée de 1/2", 3/8", 1/4" et 1" - Voir chapitre **Douilles**.

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

LLAVES DE IMPACTO / *IMPACT WRENCHES* / CLÉS À CHOC / *SCHLAGSCHRAUBER* / AVVITATORI AD IMPULSI / *CHAVES DE IMPACTO* / УДАРНЫЕ ГАЙКОВЕРТЫ

COD.	AF inch	R.P.M.	Nm/Lb.ft	L (mm)	Kg
55835	3/8	11000	610 Nm / 450 ft-lb	160	1,3
55836	1/2		680 Nm / 500 ft-lb		



COMPOSITE | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Max. Par / *Max. torque* / Max. Paire		
	55835	610 Nm / 450 ft-lb
	55836	680 Nm / 500 ft-lb
Max. Par ajuste / *Max. Tightening torque* / Max. Paire réglage		
	55835	610 Nm / 450 ft-lb
	55836	680 Nm / 500 ft-lb
Par recomendado / *Recommended torque* / Paire recommandé		
	55835	610 Nm / 450 ft-lb
	55836	680 Nm / 500 ft-lb
Pérdida max. de par / *Max. Loosening torque* / Perte max. de paire		
	55835	610 Nm / 450 ft-lb
	55836	680 Nm / 500 ft-lb
Consumo medio de aire / *Air consumption* / Consommation d'air		120 l/min
Entrada de aire / *Air inlet* / Entrée d'air		1/4"
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore		89,5 dBA
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore		100,5 dBA
Vibración / *Vibration* / Vibration		
	55835	5,4 m/s^2
	55836	5,2 m/s^2
Presión de trabajo / *Working pressure* / Pression de travail		6,3 bar / 90 PSI
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau		3/8"
Mecanismo de golpeo doble martillos / *Twin hammer mechanism* / Mécanisme de coup de double marteaux		●
Estructura de composite / *Composite housing* / Structure de composite		●
Modelo ultraligero / *Light weight model* / Modèle ultraléger		●
Salida del aire por el mango / *Handle air exhaust* / Sortie d'air par le manche		●
3 posiciones de ajuste en sentido de apriete / *3 Tightening torque settings* / 3 positions de réglage dans le sens de serrage		●
Posición de retroceso / *Reverse position* / Position de recul		●



Vasos de impacto - Cuadrado 1/2", 3/8", 1/4" y 1" - Ver capítulo de **Llaves de vaso.**
Impact socket wrenches - 1/2", 3/8", 1/4" and 1" Sq. Drive - See Socket wrenches chapter.
Douilles à choc - Carrée de 1/2", 3/8", 1/4" et 1" - Voir chapitre **Douilles.**

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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ISO 9001:2015
ISO 14001:2015
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to the Management Quality

COD.	AF inch	R.P.M.	Nm/Lb.ft	L (mm)	Kg
55845	3/4	4000	1695 Nm / 1248 ft-lb	248	5,8

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Max. Par / *Max. torque* / Max. Paire	1695 Nm / 1248 ft-lb
Max. Par ajuste / *Max. Tightening torque* / Max. Paire réglage	1560 Nm / 1150 ft-lb
Par recomendado / *Recommended torque* / Paire recommandé	290-1270 Nm/ 200-950 ft-lb
Pérdida max. de par / *Max. Loosening torque* / Perte max. de paire	1628 Nm/ 1200 ft-lb
Consumo medio de aire / *Air consumption* / Consommation d'air	170 l/min
Entrada de aire / *Air inlet* / Entrée d'air	3/8
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	90,8 dBA
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	101,8 dBA
Vibración / *Vibration* / Vibration	5,3 m/s^2
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Mecanismo de golpeo doble martillos / *Twin hammer mechanism* / Mécanisme de coup de double marteaux	●
Salida del aire por el mango / *Handle air exhaust* / Sortie d'air par le manche	●
3 posiciones de ajuste en sentido de apriete / *3 Tightening torque settings* / 3 positions de réglage dans le sens de serrage	●
3 posiciones de retroceso / *3 Reverse positions* / 3 Positions de recul	●

COD.	AF inch	R.P.M.	Nm/Lb.ft	L (mm)	Kg
56053 56054	1	4000	3900 Nm / 2876 ft-lb	537	10,6

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Max. Par / *Max. torque* / Max. Paire	3900 Nm / 2876 ft-lb
Max. Par ajuste / *Max. Tightening torque* / Max. Paire réglage	3300 Nm / 2435 ft-lb
Par recomendado / *Recommended torque* / Paire recommandé	2900-3300 Nm / 2140-2435 ft-lb
Pérdida max. de par / *Max. Loosening torque* / Perte max. de paire	3900 Nm / 2878 ft-lb
Consumo medio de aire / *Air consumption* / Consommation d'air	182 l/min
Entrada de aire / *Air inlet* / Entrée d'air	1/2"
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	98 dBA
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	109 dBA
Vibración / *Vibration* / Vibration	6,9 m/s^2
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Eje extendido / *Extended anvil* / Axe étendu	
56053	2"
56054	8"
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	1/2"
Mecanismo de golpeo doble martillos / *Twin hammer mechanism* / Mécanisme de coup de double marteaux	●
3 posiciones de ajuste en sentido de apriete / *3 Tightening torque settings* / 3 positions de réglage dans le sens de serrage	●
3 posiciones de retroceso / *3 Reverse positions* / 3 Positions de recul	●



Vasos de impacto - Cuadrado 1/2", 3/8", 1/4" y 1" - Ver capítulo de **Llaves de vaso.**
Impact socket wrenches - 1/2", 3/8", 1/4" and 1" Sq. Drive - See Socket wrenches chapter.
Douilles à choc - Carrée de 1/2", 3/8", 1/4" et 1" - Voir chapitre **Douilles.**

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ATORNILLADOR DINAMOMETRICO NEUMÁTICO / *PNEUMATIC TORQUE NUTRUNNER* / VISSEUSE DYNAMOMÉTRIQUE PNEUMATIQUE / *PNEUMATISCHER DREHMOMENTSCHRAUBER* / GIRAVITE DINAMOMETRICO PNEUMATICO / *APARAFUSADORA DINAMOMÉTRICA PNEUMÁTICA* / ПНЕВМАТИЧЕСКАЯ ОТВЕРТКА С УСТАНОВКОЙ МОМЕНТА ЗАТЯГИВАНИЯ

ACODADO / *ANGLE TYPE* / D´ANGLE / *WINKELTYP* / ANGOLARE / *ANGULAR* / ИЗОГНУТОЙ ФОРМЫ



COD.	AF inch	N.m	R.P.M.	L (mm)	Kg
58902	3/8"	1,2-2,4	1450	340	1,2
58903		2,2-4,3	800		
58913		4-10	340	350	1,3

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Consumo de aire / *Air consumption* / Consommation d'air	198 LPM (7 CFM)
Reversible / *Reversible* / Réversible	●
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	78 dBA



COD.	AF inch	N.m	R.P.M.	L (mm)	Kg
58914	1/2"	10-40	280	520	2,4
58922		35-70	130		

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Presión de trabajo / *Working pressure* / Pression de travail	5,9 bar / 85 PSI
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Consumo de aire / *Air consumption* / Consommation d'air	283 LPM (10 CFM)
Reversible / *Reversible* / Réversible	●
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	82 dBA

TIPO PISTOLA / *PISTOL TYPE* / TYPE PISTOLET / *PISTOLENTYP* / TIPO PISTOLA / *TIPO PISTOLA* / ПИСТОЛЕТНОГО ТИПА



COD.	AF inch	N.m	L x W x H (mm)	R.P.M.	Kg
58869	3/8	5-28	235x39x190	250	1,2

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Consumo de aire / *Air consumption* / Consommation d'air	550 LPM (17,7 CFM)
Reversible / *Reversible* / Réversible	●
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,84 dBA
Nivel de vibración / *Vibration level* / Niveau de vibration	< 2,5 m/s²



Vasos de impacto - Cuadrado 1/2", 3/8", 1/4" y 1" - Ver capítulo de **Llaves de vaso**.
Impact socket wrenches - 1/2", 3/8", 1/4" and 1" Sq. Drive - See Socket wrenches chapter.
Douilles à choc - Carrée de 1/2", 3/8", 1/4" et 1" - Voir chapitre **Douilles**.

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

LLAVE DE CARRACA NEUMÁTICA / *PNEUMATIC RATCHET WRENCH* / CLÉ À CLIQUET PNEUMATIQUE / *DRUCKLUFT-UMSCHALTRATSCHE* / CHIAVE A CRICCO PNEUMATICA / *ROQUETE PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЙ ТРЕЩЕТОЧНЫЙ КЛЮЧ

COD.	AF inch	R.P.M.	Nm/Lb.ft	L (mm)	Kg
55839	1/4"	300	30 Nm / 22 ft-lb	125	0,5

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Max. Par / *Max. torque* / Max. Paire	30 Nm / 22 ft-lb
Salida del aire por el mango / *Handle air exhaust* / Sortie d'air par le manche	●
Reversible / *Reversible* / Réversible	●
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	7,3 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	96,5 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	85,5 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Consumo medio de aire / *Air consumption* / Consommation d'air	110 l/min
Pérdida max. de par / *Max. Loosening torque* / Perte max. de paire	30 Nm / 22 ft-lb
Par recomendado / *Recommended torque* / Paire recommandé	30 Nm / 22 ft-lb
Reducido tamaño para lugares de difícil acceso / *Small size for inaccessible places* / Diminution de la dimensions pour lieux difficiles d'accès	●

COD.	AF inch	R.P.M.	Nm/Lb.ft	L (mm)	Kg
55840	3/8"	175	68 Nm / 50 ft-lb	265	1,2
55841	1/2"				

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Max. Par / *Max. torque* / Max. Paire		68 Nm / 50 ft-lb
Salida del aire por el mango / *Handle air exhaust* / Sortie d'air par le manche		●
Reversible / *Reversible* / Réversible		●
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau		3/8"
Presión de trabajo / *Working pressure* / Pression de travail		6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration		
	55840	2,6 m/s²
	55841	2,8 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore		93,8 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore		82,8 dBA
Entrada de aire / *Air inlet* / Entrée d'air		1/4"
Consumo medio de aire / *Air consumption* / Consommation d'air		80 l/min
Pérdida max. de par / *Max. Loosening torque* / Perte max. de paire		68 Nm / 50 ft-lb
Par recomendado / *Recommended torque* / Paire recommandé		68 Nm / 50 ft-lb
Mango de poliuretano / *Polyurethane handle* / Manche de polyuréthane		●



Vasos de impacto - Cuadrado 1/2", 3/8", 1/4" y 1" - Ver capítulo de **Llaves de vaso**.
Impact socket wrenches - 1/2", 3/8", 1/4" and 1" Sq. Drive - See Socket wrenches chapter.
Douilles à choc - Carrée de 1/2", 3/8", 1/4" et 1" - Voir chapitre **Douilles**.

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ATORNILLADORES NEUMÁTICOS / *PNEUMATIC SCREWDRIVERS* / TOURNEVIS PNEUMATIQUES / *PNEUMATISCHE SCHRAUBENDREHER* / CACCIAVITI PNEUMATICI / *APARAFUSADORAS PNEUMÁTICAS* / ОТВЕРТКА ПНЕВМАТИЧЕСКАЯ

COD.	R.P.M.	Nm/Lb.ft	L (mm)	Kg
57070	1800	5~13 / 45~115	200	0,9

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	73 LPM (2.6 CFM)
Potencia / *Power* / Puissance	0,373 kW
RPM	1800
Rango de par / *Torque range* / Intervalle de couple	5~13Nm / 45~115ft-lb
Mandril / *Spindle* / Mandrin	1/4"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	10 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	102,5 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	91,5 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"

COD.	R.P.M.	Nm/Lb.ft	L (mm)	Kg
57071	1800	13 / 115	190	1,1

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	113 LPM (4 CFM)
Potencia / *Power* / Puissance	0,373 kW
RPM	1800
Rango de par / *Torque range* / Intervalle de couple	13Nm / 115ft-lb
Mandril / *Spindle* / Mandrin	1/4" hex.
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	9,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	104,9 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	93,9 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"

REMACHADORAS NEUMÁTICAS / *PNEUMATIC RIVETER* / RIVETEUSE PNEUMATIQUE / *PNEUMATISCHE NIETMACHINE* / RIVETTATRICI PNEUMATICHE / *ALICATES DE REBITAR PNEUMÁTICOS* / ПНЕВМАТИЧЕСКИЕ ЗАКЛЕПОЧНИКИ

COD.	CAP. Ø	⊙	L (mm)	Kg
57146	2,4 - 4,8	2,4 - 3,2 - 4,0 - 4,8	270	1,5

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	99 LPM (3,4 CFM)
Potencia de tracción / *Traction power* / Puissance de traction	880 kg
Recorrido / *Stroke* / Parcours	14 mm
Capacidad / *Capacity* / Capacité	4,8mm (3/16")
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	<2,5m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	88,8 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	77,8 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Succión automática / *Automatic suction* / Aspiration automatique	-

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

COD.	CAP. Ø		L (mm)	Kg
57147	2,4 - 6,4	2,4 - 3,2 - 4,0 - 4,8 - 6,4	325	2,1

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	119 LPM (4,2 CFM)
Potencia de tracción / *Traction power* / Puissance de traction	1400 kg
Recorrido / *Stroke* / Parcours	19 mm
Capacidad / *Capacity* / Capacité	6,4mm (1/4")
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	<2,5m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	92,1 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,2 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Succión automática / *Automatic suction* / Aspiration automatique	●

ACCESORIOS / *ACCESSORIES* / ACCESSORIES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour	g
80528	Kit de repuestos / *Spare parts kit* / Kit de pièces de rechange	57146	100
80532		57147	120



GRAPADORA NEUMÁTICA / *PNEUMATIC STAPLER* / AGRAFEUSE PNEUMATIQUE / *PNEUMATISCHE NIETMACHINE* / GRAFFETTATRICE PNEUMATICA / *AGRAFADOR PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЙ СКОБОСШИВАТЕЛЬ

COD.	CAP.	L (mm)	Kg
57085	155 pcs	215	0,9

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Presión de trabajo / *Working pressure* / Pression de travail	6,3-6,9 bar / 60-100 PSI
Vibración / *Vibration* / Vibration	<2,5mm/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	85,17 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	72,17 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Uso con grapas calibre-21 / *Use with 21-Gauge staples* / Utilise des agrafes 21-Gauge	●

ACCESORIOS / *ACCESSORIES* / ACCESSORIES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	W x H (mm)	
87938	Caja de grapas calibre 21 / *21-Gauge staples box* / Boîte de grafes 21-Gauge	12,8 x 6	10000
87939		12.8 x 16	5000



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

PISTOLA DE ENGRASE NEUMÁTICA / *PNEUMATIC GREASE GUN* / PISTOLET GRAISSEUR PNEUMATIQUE / *PNEUMATISCHE FETTPISTOLE* / PISTOLA LUBRIFICAZIONE PNEUMATICA / *PISTOLA DE LUBRIFICAÇÃO PNEUMÁTICA* / ПНЕВМАТИЧЕСКИЙ ШПРИЦ ДЛЯ СМАЗКИ

COD.	CAP.	L (mm)	Kg
57099	400 g / 450 g	370	1,4

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Uso con cartucho / *Use with cartridge* / Utilisation avec cartouche	●
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	74 dBA
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	85 dBA
Consumo medio de aire / *Air consumption* / Consommation d'air	28 LPM / 1 CFM
Longitud de la boquilla / *Nose length* / Longueur du tuyau	150 mm
Presión máx. de entrega / *Max. delivery pressure* / Pression de refoulement max.	410 bar / 6000 PSI
Presión de trabajo / *Working pressure* / Pression de travail	4,1-10,3 bar / 60-150 PSI
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Grasa a granel / *Bulk grease* / Graisse en vrac	●

TALADRADO / *DRILLING* / PERÇAGE / *BOHREN* / TRAPANO / *PERFURADO* / СВЕРЛЕНИЕ

TALADROS NEUMÁTICOS / *PNEUMATIC DRILLS* / PERCEUSES PNEUMATIQUES / *PNEUMATISCHE BOHRMACHINE* / TRAPANI PNEUMATICI / *BERBEQUINS PNEUMÁTICOS* / ДРЕЛЬ ПНЕВМАТИЧЕСКАЯ

COD.	CAP.	R.P.M.	L (mm)	Kg
57072	10 mm-3/8"	1800	200	1,1

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	96 LPM (3,4 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	0,373 kW
RPM	1800
Capacidad / *Capacity* / Capacité	10mm (3/8")
Mandril / *Spindle* / Mandrin	3/8"-24
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	102,7 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	91,7 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Reversible / *Reversible* / Réversible	●

COD.	CAP.	R.P.M.	L (mm)	Kg
57073	10 mm-3/8"	1800	195	0,9

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	80 LPM (2,8 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	0,373 kW
RPM	1800
Capacidad / *Capacity* / Capacité	10mm (3/8")
Mandril / *Spindle* / Mandrin	3/8"-24
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	90,5 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	79,5 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Reversible / *Reversible* / Réversible	-

TALADROS NEUMÁTICOS COMPACTOS / *PNEUMATIC COMPACT DRILLS* / PERCEUSES PNEUMATIQUES COMPACTES / *PNEUMATISCHE KOMPAKTBOHRER* / TRAPANI PNEUMATICI COMPATTI / *BERBEQUINS PNEUMÁTICOS COMPACTOS* / ДРЕЛИ ПНЕВМАТИЧЕСКИЕ КОМПАКТНЫЕ

CON ROSCA / *WITH THREAD* / AVEC FIL / *MIT GEWINDE* / CON FILETTATURA / *COM ROSCA* / С РЕЗЬБОЙ

90º

COD.	CAP.	R.P.M.	L (mm)		g
58990	6,35 mm-1/4"	4000	240	104 x 27 x 16,5	650
58992			310	172 x 27 x 16,5	750

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	283 LPM (10 CFM)
Potencia / *Power* / Puissance	0,22 kW
Conexión a broca / *Bit connection* / Connexion de bits	Rosca 1/4" / *Thread 1/4"* / Fil 1/4"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,5 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s^2
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
58990	-
58992	●
Reversible / *Reversible* / Réversible	-

COD.	CAP.	R.P.M.	L (mm)		g
58994	6,35 mm-1/4"	3600	260	104 x 27 x 16,5	900
58996			330	172 x 27 x 16,5	1000

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	368 LPM (13 CFM)
Potencia / *Power* / Puissance	0,37 kW
Conexión a broca / *Bit connection* / Connexion de bits	Rosca 1/4" / *Thread 1/4"* / Fil 1/4"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	80 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s^2
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
58994	-
58996	●
Reversible / *Reversible* / Réversible	-

45º

COD.	CAP.	R.P.M.	L (mm)		g
58991	6,35 mm-1/4"	4000	260	120 x 31 x 16	650
58993			330	197 x 31 x 16	750

12M



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	283 LPM (10 CFM)
Potencia / *Power* / Puissance	0,22 kW
Conexión a broca / *Bit connection* / Connexion de bits	Rosca 1/4" / *Thread 1/4"* / Fil 1/4"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,5 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
58991	-
58993	●
Reversible / *Reversible* / Réversible	-

COD.	CAP.	R.P.M.	L (mm)		g
58995	6,35 mm-1/4"	3600	270	120 x 31 x 16	900
58997			350	197 x 31 x 16	1000



12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	368 LPM (13 CFM)
Potencia / *Power* / Puissance	0,37 kW
Conexión a broca / *Bit connection* / Connexion de bits	Rosca 1/4" / *Thread 1/4"* / Fil 1/4"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	80 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
58995	-
58997	●
Reversible / *Reversible* / Réversible	-

CON MANDRINO / *WITH CHUCK* / AVEC MANDRIN / *MIT FUTTER* / CON MANDRINO / *COM MANDRIL* / С ПАТРОНОМ

90º

COD.	CAP.	R.P.M.	L (mm)		g
59006	3 mm-1/8"	4000	240	104 x 69 x 16,5	750
59008			310	172 x 63 x 16,5	850



12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	283 LPM (10 CFM)
Potencia / *Power* / Puissance	0,22 kW
Conexión a broca / *Bit connection* / Connexion de bits	Mandrino 3mm (1/8") / *Spindle 3mm (1/8")* / Mandrin 3mm (1/8")
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,5 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
59006	-
59008	●
Reversible / *Reversible* / Réversible	-

COD.	CAP.	R.P.M.	L (mm)		g
59010	3 mm-1/8"	3600	260	104 x 69 x 16,5	950
59012			330	172 x 63 x 16,5	1050



12M

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	368 LPM (13 CFM)
Potencia / *Power* / Puissance	0,37 kW
Conexión a broca / *Bit connection* / Connexion de bits	Mandrino 3mm (1/8") / *Spindle 3mm (1/8")* / Mandrin 3mm (1/8")
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	80 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
59010	-
59012	●
Reversible / *Reversible* / Réversible	-

45º

COD.	CAP.	R.P.M.	L (mm)		g
59007	3 mm-1/8"	4000	260	144 x 55 x 16	750
59009			330	221 x 55 x 16	850



12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	283 LPM (10 CFM)
Potencia / *Power* / Puissance	0,22 kW
Conexión a broca / *Bit connection* / Connexion de bits	Mandrino 3mm (1/8") / *Spindle 3mm (1/8")* / Mandrin 3mm (1/8")
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,5 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
59007	-
59009	●
Reversible / *Reversible* / Réversible	-

COD.	CAP.	R.P.M.	L (mm)		g
59011	3 mm-1/8"	3600	270	144 x 55 x 16	950
59013			350	221 x 55 x 16	1050



12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	368 LPM (13 CFM)
Potencia / *Power* / Puissance	0,37 kW
Conexión a broca / *Bit connection* / Connexion de bits	Mandrino 3mm (1/8") / *Spindle 3mm (1/8")* / Mandrin 3mm (1/8")
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	80 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
59011	-
59013	●
Reversible / *Reversible* / Réversible	-

CON CASQUILLO / ***WITH COLLET*** / **AVEC DOUILLE** / ***MIT SPANNZANGE*** / **CON BOCCOLA** / ***COM CASQUILHO*** / **СО ВТУЛКОЙ**

90º

COD.	CAP.	R.P.M.	L (mm)		g
58998	5,9 mm-3/16"	4000	240	104 x 31 x 16,5	650
59000			310	172 x 31 x 16,5	750



12M

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	283 LPM (10 CFM)
Potencia / *Power* / Puissance	0,22 kW
Conexión a broca / *Bit connection* / Connexion de bits	Casquillo 9/32" / *Collet 9/32"* / Douille 9/32"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,5 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
58998	-
59000	●
Reversible / *Reversible* / Réversible	-

COD.	CAP.	R.P.M.	L (mm)		g
59002	5,9 mm-3/16"	3600	260	104 x 31 x 16,5	850
59004			330	172 x 31 x 16,5	950



12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	368 LPM (13 CFM)
Potencia / *Power* / Puissance	0,37 kW
Conexión a broca / *Bit connection* / Connexion de bits	Casquillo 9/32" / *Collet 9/32"* / Douille 9/32"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	80 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
59002	-
59004	●
Reversible / *Reversible* / Réversible	-

45º

COD.	CAP.	R.P.M.	L (mm)		g
58999	5,9 mm-3/16"	4000	260	121 x 32 x 16	650
59001			330	198 x 32,5 x 16	750



12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	283 LPM (10 CFM)
Potencia / *Power* / Puissance	0,22 kW
Conexión a broca / *Bit connection* / Connexion de bits	Casquillo 9/32" / *Collet 9/32"* / Douille 9/32"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	81,5 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
58999	-
59001	●
Reversible / *Reversible* / Réversible	-

COD.	CAP.	R.P.M.	L (mm)		g
59003	5,9 mm-3/16"	3600	270	121 x 32 x 16	850
59005			350	198 x 32,5 x 16	950



12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	368 LPM (13 CFM)
Potencia / *Power* / Puissance	0,37 kW
Conexión a broca / *Bit connection* / Connexion de bits	Casquillo 9/32" / *Collet 9/32"* / Douille 9/32"
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	80 dBA
Vibración / *Vibration* / Vibration	<2,5 m/s²
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cabezal extendido / *Extended head* / Tête étendu	
59003	-
59005	●
Reversible / *Reversible* / Réversible	-

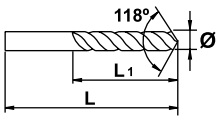
ACCESORIOS / *ACCESSORIES* / ACCESSORIES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ



COD.	Descripción / *Description* / Description	CAP.
58979	Casquillo / *Collet* / Douille	2,4
58980		2,5
58981		3,0
58982		3,1
58983		3,2
58984		4,0
58985		4,5
58986		4,6
58987		4,8
58988		5,8
58989		5,9

BROCAS / *TWIST DRILL* / MÈCHES / *BOHRER* / PUNTE PER TRAPANO / *BROCAS* / СВЕРЛО

HSS





COD.	O.D. mm	L (mm)	L1 (mm)	g	
66281	0,5	22	6	1	10
66282	1	34	12		
66283	1,2	38	16		
66284	1,5	40	18		
66285	1,7	43	20		
66286	2	49	24	2	
66287	2,2	53	27		
66288	2,5	57	30		
66289	2,7	61	33		
66290	3	75	43		
66291	3,2	65	36	3	
66292	3,3	70			
66293	3,5		39	4	
66294	3,7				
66295	4	75	43	5	
66296	4,2				
66297	4,3	80	47	6	
66298	4,5			7	
66299	4,7				
66300	5	86	52	8	
66301	5,2				
66302	5,5	93	57	9	
66303	5,7				
66304	6			10	
66305	6,2	101	63		
66306	6,5			15	

COD.	O.D. mm	L (mm)	L1 (mm)	g	
66307	6,7	101	63	15	
66308	7	109	69	20	
59108	7,25			25	
66309	7,5				
59109	7,75	117	75	30	10
66310	8				
59110	8,25				
66311	8,5				
59111	8,75	125	81	35	
66312	9				
66313	9,5			40	
66314	10	133	87	50	
66375	10,5	135		55	
66315	11	142	94	65	
66316	11,5				
66317	12	151	101	80	
66318	12,5				
66319	13			85	5
66320	14	160	108		
66321	15	178	120	90	
66322	16			100	
66324	18	191	130	150	
66326	20	205	140	200	

DIN 338

KIT

COD.	PCS.	Rango (mm) / *Range (mm)* / Rang (mm)	g
66327	19	1-1,5-2-2,5-3-3,5-4-4,5-5-5,5-6-6,5-7-7,5-8-8,5-9-9,5-10	300

DIN 338



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	Ø (mm)
	66282		1
	66284		1,5
	66286		2
	66288		2,5
	66290		3
	66293		3,5
	66295		4
	66298		4,5
	66300		5
1	66302	Brocas / *Twist drills*	5,5
	66304		6
	66306		6,5
	66308		7
	66309		7,5
	66310		8
	66311		8,5
	66312		9
	66313		9,5
	66314		10

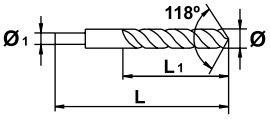
COD.	PCS.	Rango (mm) / *Range (mm)* / Rang (mm)	g
66328	25	1-1,5-2-2,5-3-3,5-4-4,5-5-5,5-6-6,5-7-7,5-8-8,5-9-9,5-10-10,5-11-11,5-12-12,5-13	750

DIN 338



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	Ø (mm)
	66282		1
	66284		1,5
	66286		2
	66288		2,5
	66290		3
	66293		3,5
	66295		4
	66298		4,5
	66300		5
	66302		5,5
	66304		6
	66306		6,5
1	66308	Brocas / *Twist drills*	7
	66309		7,5
	66310		8
	66311		8,5
	66312		9
	66313		9,5
	66314		10
	66375		10,5
	66315		11
	66316		11,5
	66317		12
	66318		12,5
	66319		13

HSS STANDARD REDUCIDA / *HSS DRILL BIT WITH REDUCED SHANK* / HSS STANDARD RÉDUIT / *HSS BOHRER MIT REDUZIERTEM SCHAFT* / HSS STANDARD RIDOTTA / *BROCA HSS COM CONE REDUZIDO* / СВЕРЛО HSS С УМЕНЬШЕННЫМ ХВОСТОВИКОМ

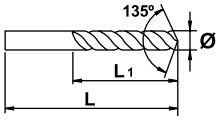




COD.	O.D. mm	Ø 1 (mm)	L (mm)	L1 (mm)	g	
66376	13,5	12,7	160	108	100	1
66377	14				115	
66378	14,5		169	114	120	
66379	15					
66380	15,5		178	120	140	
66381	16				155	
66382	16,5		184	125	160	
66383	17					
66272	17,5		191	130	200	
66273	18					
66274	18,5		198	135	230	
66275	19				215	
66276	19,5		205	140	260	
66277	20					

DIN 338

HSS-CO





COD.	O.D. mm	L (mm)	L1 (mm)	g	
66329	1	34	12	1	10
66330	1,25	38	16		
66331	1,5	40	18		
66332	1,75	46	22		
66333	2	49	24	2	
66334	2,25	53	27		
66335	2,5	57	30		
66336	2,75	61	33		
66337	3	75	43		
66338	3,25	65	36	3	
66339	3,5	70	39	4	
66340	3,75				
66341	4	75	43	5	
66342	4,25			7	
66343	4,5	80	47		
66344	4,75				
66345	5	86	52	8	
66346	5,25				
66347	5,5	93	57	9	
66348	5,75				
66349	6	101	63	10	
66350	6,25				
66351	6,5			15	
66352	6,75	109	69		
66353	7			20	
66354	7,25				
66355	7,5			25	
66360	7,75	117	75		
66361	8			30	
66362	8,25				
66363	8,5				
66364	8,75	125	81	35	5
66365	9				
66366	9,25				
66367	9,5			40	
66368	9,75	133	87		
66369	10			50	
66370	10,5				
66371	11,5	142	94	65	
66372	12	151	101	80	
66374	12,5				

DIN 338

ARRANQUE DE MATERIAL / *MATERIAL REMOVAL* / ENLÈVEMENT DE MATIÈRE / *MATERIALENTFERNUNG* / ASPORTAZIONE MATERIALE / *REMOÇÃO DE MATERIAL* / УДАЛЕНИЕ МАТЕРИАЛА

LIJADORAS NEUMÁTICAS / *PNEUMATIC SANDERS* / PONCEUSES PNEUMATIQUES / *PNEUMATISCHE VIBRATIONSSCHLEIFER* / PULITRICE PNEUMATICA / *LIXADORAS PNEUMÁTICAS* / ОРБИТАЛЬНАЯ ШЛИФОВАЛЬНАЯ МАШИНА ПНЕВМАТИЧЕСКАЯ

ORBITAL / *ORBIT* / ORBITALE / *ORBITAL* / ORBITALE / *ORBITAL* / ОРБИТАЛЬНАЯ

CON BOLSA / *WITH BAG* / AVEC SAC / *MIT TASCHE* / CON BORSA / *COM BOLSA* / С СУМКОЙ

COD.	CAP.	R.P.M.	L (mm)	Kg
57074	6"-5 mm	12000	215	0,95

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	62 LPM (2,2 CFM)
Bolsa para polvo / *Dust bag* / Sac à poussière	Cod. 87940
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	0,22 kW
RPM	12000
Orbital-orbita Ø / *Pad-orbit Ø* / Orbitale-orbite Ø	6"- 5 mm
Bolsa para polvo incluida / *Dust bag included* / Sac à poussiére inclus	●
Mandril / *Spindle* / Mandrin	5/16"-24
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	4,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	96,2 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	85,2 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Disco de velcro 6"-5 mm / *Velcro disc 6"- 5 mm* / Disque de polissage velcro 6"-5 mm	Cod. 87941

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description
87940	Bolsa para polvo / *Dust bag* / Sac à poussère



COD.	Descripción / *Description* / Description	inch	mm
87941	Disco de velcro / *Velcro disc* / Disque de polissage velcro	6	5



SIN BOLSA / *WITHOUT BAG* / SANS SAC / *OHNE TASCHE* / SENZA BORSA / *SEM SACO* / БЕЗ СУМКИ

COD.	CAP.	R.P.M.	L (mm)	Kg
57075	6"-2,5 mm	12000	150	0,85

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	62 LPM (2,2 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	0,22 kW
RPM	12000
Orbital-orbita Ø / *Pad-orbit Ø* / Orbitale-orbite Ø	6"- 2,5 mm
Mandril / *Spindle* / Mandrin	5/16"-24
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	3,7 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	88,2 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	77,2 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Disco de velcro 6"-2,5 mm / *Velcro disc 6"- 2,5 mm* / Disque de polissage velcro 6"- 2,5 mm	Cod. 87942

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	inch	mm
87942	Disco de velcro / *Velcro disc* / Disque de polissage velcro	6	2,5



DE BANDA / *BELT SANDER* / À BANDE / *BANDSCHEIFMASCHINE* / A NASTRO / *DE CINTA* / ЛЕНТОЧНАЯ

330 X 10 (MM)

COD.	Banda / *Belt* / Bande	R.P.M.	L (mm)	Kg
57076	10 x 330 mm	16000	260	0,9

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	80 LPM (2,8 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	0,28 kW
RPM	16000
Banda (3 pcs) / *Belt (3 pcs)* / Bande (3 pcs)	10 x 330 mm (1 pc-80 gr / 2 pcs - 120 gr)
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	93,4 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	82,4 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Banda 10 x 330 mm / *Belt 10 x 330 mm* / Bande 10 x 330 mm	Cod. 87943: 80 gr / Cod. 87944: 120 gr

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	g	Grano / *Grain* / Grain
87943	Banda / *Belt* / Bande	3,5	80



COD.	Descripción / *Description* / Description	g	Grano / *Grain* / Grain
87944	Banda / *Belt* / Bande	2,9	120



520 X 20 (MM)

COD.	Banda / *Belt* / Bande	R.P.M.	L (mm)	Kg
57077	20 x 520 mm	16000	340	1,2

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	80 LPM (2,8 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	0,373 kW
RPM	16000
Banda (3 pcs) / *Belt (3 pcs)* / Bande (3 pcs)	20 x 520 mm
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	<2,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	95,4 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	84,4 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Banda 20 x 520 mm / *Belt 20 x 520 mm* / Bande 20 x 520 mm	Cod. 87945

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	g
87945	Banda / *Belt* / Bande	11



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

AMOLADORAS RECTAS NEUMÁTICAS / *PNEUMATIC STRAIGHT GRINDERS* / MEULEUSES DROITES PNEUMATIQUES / *PNEUMATISCHE GERADSCHLEIFER* / SMERIGLIATRICI DRITTE PNEUMATICHE / *ESMERILADORAS RECTAS PNEUMÁTICA* / ПРЯМАЯ ШЛИФОВАЛЬНАЯ МАШИНА ПНЕВМАТИЧЕСКАЯ

COD.	CAP.	R.P.M.	L (mm)	Kg
57078	6 mm	22000	180	0,6

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	80 LPM (2,8 CFM)
Potencia / *Power* / Puissance	0,373 kW
RPM	22000
Diámetro pinza / *Collet diameter* / Diamètre pince	6 mm
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	2,5 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	90,5 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	79,5 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"

AMOLADORAS ANGULARES NEUMÁTICAS / *PNEUMATIC ANGLE GRINDERS* / MEULEUSES ANGULAIRES PNEUMATIQUES / *PNEUMATISCHE WINKELSCHLEIFER* / SEMRIGLIATRICI ANGOLARI PNEUMATICHE / *ESMERILADORAS ANGULARES PNEUMÁTICAS* / УГЛОВАЯ ШЛИФОВАЛЬНАЯ МАШИНА ПНЕВМАТИЧЕСКАЯ

COD.	CAP.	R.P.M.	L (mm)	Kg
57079	6 mm	18000	180	0,7

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	80 LPM (2,8 CFM)
Potencia / *Power* / Puissance	0,373 kW
RPM	18000
Diámetro pinza / *Collet diameter* / Diamètre pince	6 mm
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	6 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	88,3 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	77,3 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"

COD.	CAP.	R.P.M.	L (mm)	Kg
57080	125 mm	11000	230	2,1

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	98 LPM (3,5 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	0,5 kW
RPM	11000
Ø Int. Disco / *Flange size* / Int. disque	30 mm
Capacidad / *Capacity* / Capacité	125 mm
Mandril / *Spindle* / Mandrin	M14
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	7,7 m/s²
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	94,8 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	83,7 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Disco no incluido / *Disc not included* / Disque non inclus	●

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

LIJADORAS VERTICALES NEUMÁTICAS / *VERTICAL PNEUMATIC SANDERS* / PONCEUSES VERTICALES PNEUMATIQUES / *VERTIKALE PNEUMATIK SCHLEIFMASCHINEN* / PULITRICI VERTICALI PNEUMATICHE / *LIXADORAS VERTICAIS PNEUMÁTICAS* / ВЕРТИКАЛЬНАЯ ПНЕВМАТИЧЕСКАЯ ШЛИФОВАЛЬНАЯ МАШИНКА

COD.	CAP.	R.P.M.	L (mm)	Kg
57081	178 mm	7000	180	3,2

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	127 LPM (4,5 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	1,7 kW
RPM	7000
Capacidad / *Capacity* / Capacité	178 mm
Mandril / *Spindle* / Mandrin	5/8"-11
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	8,3 m/s^2
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	97,9 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	86,9 dBA
Entrada de aire / *Air inlet* / Entrée d'air	3/8"
Disco no incluido / *Disc not included* / Disque non inclus	●

MARTILLO NEUMÁTICO / *PNEUMATIC HAMMER* / MARTEAU PNEUMATIQUE / *PNEUMATISCHE HAMMER* / MARTELLO PNEUMATICO / *MARTELO PNEUMÁTICO* / МОЛОТОК ПНЕВМАТИЧЕСКИЙ

COD.	CAP.	B.P.M.	L (mm)	Kg
57082	10 mm	3500	170	2,0

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	56 LPM (2 CFM)
BPM	3500
Recorrido del pistón / *Piston stroke* / Parcours du piston	66 mm
Vástago hexagonal / *Hexagonal shank* / Tige Hexagonal	10 mm
Ø Eje / *Bore Ø* / Axe Ø	19 mm
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	15 m/s^2
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	104 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	103 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"

BE SAFE...BE EFFICIENT

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

CINCELES OPCIONALES / *OPTIONAL CHISELS* / BURINS OPTIONNELS / *OPTIONALE MEISSEL* / SCALPELLO OPZIONALE / *ESCOPROS OPCIONAIS* / ЗУБИЛО ДОПОЛНИТЕЛЬНОЕ

COD.	Descripción / *Description* / Description	L (inch)	AF mm
87946	Cincel plano / *Flat chisel* / Burin plat	7	HEX. 10 mm



COD.	Descripción / *Description* / Description	L (inch)	AF mm
87947	Cincel de dos filos / *Two edges chisel* / Burin a double tranchant	7	HEX. 10 mm



COD.	Descripción / *Description* / Description	L (inch)	AF mm
87948	Cincel tipo puntero / *Pointed chisel* / Burin à pointe	7	HEX. 10 mm



COD.	Descripción / *Description* / Description	L (inch)	AF mm
87949	Cincel tipo V / *V type chisel* / Burin type V	7	HEX.10 mm



COD.	Descripción / *Description* / Description	L (inch)	AF mm
87950	Cincel para soldaduras y juntas / *Chisel for welding and joints* / Burins à joint pour soudure	7	HEX.10 mm



SIERRA DE CALAR NEUMÁTICA / *PNEUMATIC BODY SAW* / SCIE SAUTEUSE PNEUMATIQUE / *PNEUMATISCHE STICHSÄGE* / SEGA DA TRAFORO PNEUMATICA / *SERRA ALTERNATIVA PNEUMATICA* / ПИЛА ПНЕВМАТИЧЕСКАЯ

COD.	Hoja / *Blade* / Lame	R.P.M.	L (mm)	Kg
57083	24T-32T	10000	235	1,0

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	113 LPM (4 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
RPM	10000
Recorrido / *Stroke* / Parcours	10 mm
Hojas incluidas / *Blades included* / Lames incluses	1pc-24T / 1pc-32T
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	19,7 m/s^2
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	96,7 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	85,7 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Hojas Bimat / *Bimat Blades* / Lames bimat	Cod. 87951: 24T / Cod. 87952: 32T

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	Hoja / *Blade* / Lame
87951	Hojas Bimat / *Bimat blades* / Lames bimat	24T



COD.	Descripción / *Description* / Description	Hoja / *Blade* / Lame
87952	Hojas Bimat / *Bimat blades* / Lames bimat	32T



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DESPEGADOR DE PARABRISAS NEUMÁTICO / *PNEUMATIC WINDSCREEN REMOVER* / DÉCOLLEUR PARE-BRISES PNEUMATIQUE / *PNEUMATISCHE WINDSCHUTZSCHEIBE AUSBAU* / SMONTATORE DEI PARABREZZA PNEUMATICO / *FACA DE PARABRISAS PENUMÁTICA* / СЪЕМНИК ВЕТРОВОГО СТЕКЛА ПНЕВМАТИЧЕСКИЙ

COD.	R.P.M.	L (mm)	Kg
57084	20000	205	1,0

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Consumo medio de aire / *Air consumption* / Consommation d'air	110 LPM (3,9 CFM)
Ø Int. manguera / *Ø Int. hose* / Ø Int. tuyau	3/8"
Potencia / *Power* / Puissance	0,37 kW
RPM	20000
Presión de trabajo / *Working pressure* / Pression de travail	6,3 bar / 90 PSI
Vibración / *Vibration* / Vibration	7,9 m/s^2
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	102,5 dBA
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	91,5 dBA
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Cuchilla / *Blade* / Lame	Cod. 87953

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description
87953	Cuchilla / *Blade* / Lame



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

PISTOLA DE AIRE COMPRIMIDO / *AIR BLOW GUN* / PISTOLET D'AIR COMPRIMÉ / *DRUCKLUFTPISTOLE* / PISTOLA D'ARIA COMPRESSA / *PISTOLA DE AR COMPRIMIDO* / ВОЗДУШНЫЙ ПИСТОЛЕТ

COD.	g
55842	80

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Presión de trabajo / *Working pressure* / Pression de travail	1 Mpa (10 bar)
Rosca hembra GAS / *GAS Female thread* / Filet femelle GAZ	1/4"
Ø Tubo / *Pipe Ø* / Ø Tube	6 mm
Longitud de la boquilla / *Nose length* / Longueur du tuyau	100 mm

MANGUERA NEUMÁTICA ENROLLABLE / *PNEUMATIC HOSE REEL* / TUYAU PNEUMATIQUE ENROULABLE / *DRUCKLUFTSCHLAUCH-AUFROLLER* / AVVOLGITUBO / *ENROLADOR DE MANGUEIRA* / КАТУШКА ДЛЯ ШЛАНГА

COD.		Kg
55843	15	4,5

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ø Tubo / *Pipe Ø* / Ø Tube	10 mm
Ø D.I Manguera / *Hose I.D Ø* / Ø D.I Tuyau d'arrosage	3/8"
Rosca / *Thread* / Filet	1/4"
Longitud / *Length* / Longueur	15 m
Presión máx. de trabajo / *Max working pressure* / Pression max de travail	20 bar / 300 PSI

ACOPLES NEUMÁTICOS RÁPIDOS DE SEGURIDAD / *PNEUMATIC FAST SAFETY COUPLING* / RACCORDS PNEUMATIQUES RAPIDES DE SÉCURITÉ / *PNEUMATISCHE SCHNELL-SICHERHEITSKUPPLUNG WEIBLICH* / INNESTI RAPIDI PNEUMATICI / *ACOMPLAMENTOS RÁPIDOS DE SEGURANÇA PARA PNEUMÁTICA* / ПЕРЕХОДНИКИ ДЛЯ ПНЕВМОИНСТРУМЕНТА

TIPO HOLANDÉS / *DUTCH TYPE* / TYPE NÉERLANDAIS / *NIEDERLÄNDISCHE TYP* / TIPO OLANDESE / *TIPO HOLANDÊS* / ГОЛЛАНДСКИЙ ТИП

COD.	Conexión / *Connection* / Connexion	g
58670	1/4" Hembra / *1/4" Female* / 1/4" Femelle	70



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1558 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

COD.	Conexión / *Connection* / Connexion	g
58671	1/4" Macho / *1/4" Male* / 1/4" Male	60



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1558 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	12 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

COD.	Conexión / *Connection* / Connexion	g
58672	Manguera 10mm / *Hose 10mm* / Tuyau 10mm	60



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1558 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

TIPO ESPAÑOL Y NORTEAMERICANO / *SPANISH AND NORTH AMERICAN TYPE* / TYPE ESPAGNOL ET NORD-AMÉRICAIN / *SPANISCHER UND NORDAMERIKANISCHER TYP* / TIPO SPAGNOLO E NORD AMERICANO / *TIPO ESPANHOL E AMERICANO* / ИСПАНСКИЙ/СЕВЕРОАМЕРИКАНСКИЙ ТИП

COD.	Conexión / *Connection* / Connexion	g
58673	1/4" Hembra / *1/4" Female* / 1/4" Femelle	70



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1558 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

COD.	Conexión / *Connection* / Connexion	g
58674	1/4" Macho / *1/4" Male* / 1/4" Male	60



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1558 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	12 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

COD.	Conexión / *Connection* / Connexion	g
58675	Manguera 10mm / *Hose 10mm* / Tuyau 10mm	60



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1558 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

TIPO ALEMÁN / *GERMAN TYPE* / TYPE ALLEMAND / *DEUTSCHES TYP* / TIPO TEDESCO / *TIPO ALEMÃO* / НЕМЕЦКИЙ ТИП

COD.	Conexión / *Connection* / Connexion	g
58676	1/4" Hembra / *1/4" Female* / 1/4" Femelle	70



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1982 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

COD.	Conexión / *Connection* / Connexion	g
58677	1/4" Macho / *1/4" Male* / 1/4" Male	60



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1982 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

COD.	Conexión / *Connection* / Connexion	g
58678	Mangera 10mm / *Hose 10mm* / Tuyau 10mm	65



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	1982 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

TIPO JAPONÉS / *JAPANESE TYPE* / TYPE JAPONAIS / *JAPANISCHER TYP* / TIPO GIAPPONESE / *TIPO JAPONÊS* / ЯПОНСКИЙ ТИП

COD.	Conexión / *Connection* / Connexion	g
58679	1/4" Hembra / *1/4" Female* / 1/4" Femelle	95



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	2124 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

COD.	Conexión / *Connection* / Connexion	g
58680	1/4" Macho / *1/4" Male* / 1/4" Male	70



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	2124 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

COD.	Conexión / *Connection* / Connexion	g
58681	Mangera 10mm / *Hose 10mm* / Tuyau 10mm	75



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Caudal max. / *Max. flow rate* / Débit max.	2124 L/Min
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	10 bar
Temperatura de trabajo / *Working temperature* / Température de travail	-20 ~ 80ºC

PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

TAQA ROSA
CENTRAL ELÉCTRICA / POWER PLANT / CENTRALE ÉLECTRIQUE

GHANA







13

HERRAMIENTA ELECTROPORTÁTIL
BATTERY TOOLS
OUTIL ÉLECTROPORTATIF
AKKU-WERKZEUGE
UTENSILI ELETTRICI PORTATILI
FERRAMENTA ELETROPORTÁTIL
ПОРТАТИВНЫЙ ЭЛЕКТРОИНСТРУМЕНТ



El taladro atornillador a batería de EGA Master es ideal para todo tipo de operaciones de perforación y fijación.

La batería de Ion-litio asegura el máximo rendimiento, durabilidad y una larga vida de la misma.

EGA Master cordless drill is ideal for a wide range of drilling and fastening applications.

Its Lithium Ion battery ensures maximum performance, durability and battery life.

La perceuse visseuse à batterie de EGA Master est idéale pour tous types d'opérations de perforation ou de fixation.

La batterie en Ion-Lithium assure un rendement optimal, durabilité et la longue vie de celle-ci.



1

Carcasa y engranajes planetarios íntegramente metálicos asegurando el máximo rendimiento.
Completely metallic planetary gears and housing, ensuring the maximum performance.
Carcasse et engrenages planétaires complètement métalliques assurent un rendement optimal.

2

Mango ergonómico para un cómodo agarre.
Ergonomic handle provides comfortable gripping.
Manche ergonomique pour une prise confortable.

3

Interruptor de velocidad variable para un máximo control.
Variable speed switch for maximum control.
Interrupteur de vitesse variable pour un contrôle maximal.

4

Transmisión con función de bloqueo y accionamiento único.
Gear box with spindle lock function and single sleeve chuck.
Transmission avec fonction de blocage et actionnement unique.

5

Embrague: 17 posiciones.
17 positions clutch.
Embrayage : 17 positions.

6

Gancho para cinturón.
Includes belt clip.
Crochet pour ceinture.

*

Certificados: RoHs, Reach, CE
Certificates: RoHs, Reach, CE
Certificats : RoHs, Reach, CE





ENSAMBLAJE / *ASSEMBLY TOOLS* / ASSEMBLAGE / *MONTAGEWERKZEUGE* / ASSEMBLAGGIO / *MONTAGEM* / СБОРКА

LLAVE DE IMPACTO / *IMPACT WRENCH* / CLE À CHOC / *SCHLAGSCHRAUBER* / AVVITATORE AD IMPULSI / *CHAVE DE IMPACTO* / УДАРНЫЙ ВИНТОВЕРТ

COD.	AF inch	V	Bat.	Nm/Lb.ft	Kg
59126	1/2"	18V	Li-Ion	850/627	2,3

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Reversible / *Reversible* / Réversible	●
Velocidad en vacío / *Free speed* / Vitesse à vide	900 rpm (L); 1200 rpm (M); 1900 rpm (H); 500 rpm (reverse)
Impactos por minuto / *Impacts per minute* / Impacts par minute	1200 ipm (L); 1600 ipm (M); 2400 ipm (H)
Par máx. / *Torque max.* / Paire max.	300 Nm (L); 600 Nm (M); 850 Nm (H)
Motor sin escobillas / *Brushless motor* / Moteur sans charbon	●
EQUIPADO CON / *EQUIPED WITH* / EQUIPE	
2 baterías / *2 batteries* / 2 batteries	
Estación de carga / *Charging station* / Station de chargement	
Maleta / *Case* / Malette	

ACCESORIOS / *ACCESORIES* / ACCESOIRES / *ZUBEHÖR* / ACCESORI / *ACCESORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	V	Válido para / *Valid for* / Valable pour
59128	Batería / *Battery* / Batterie	18V	59126



COD.	Descripción / *Description* / Description	V	Válido para / *Valid for* / Valable pour
59129	Cargador / *Charger* / Chargeur	18V	59126



TALADRADO / *DRILLING* / PERÇAGE / *BOHREN* / TRAPANO / *PERFURADO* / СВЕРЛЕНИЕ

TALADRO ATORNILLADOR A BATERÍA / *CORDLESS DRILL / DRIVER* / PERCEUSE-VISSEUSE À BATTERIE / *AKKU-BOHRMASCHINE* / TRAPANO AVVITATORE A BATTERIA / *BERBEQUIM / APARAFUSADORA A BATERIA* / АККУМУЛЯТОРНАЯ ДРЕЛЬ/ШУРУПОВЕРТ

COD.	V	Bat.	Nm/Lb.ft	CAP. (mm)	Kg
58887	18V	Li-Ion	45/33	13	2,2

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Pares prefijados / *Preset Torque values* / Paires Préétablies	15 + Broca / *15 + Drilling* / 15+ Mêche
Velocidad en vacío / *Free speed* / Vitesse à vide	340-1220 rpm
Reversible / *Reversible* / Réversible	●
EQUIPADO CON / *EQUIPED WITH* / EQUIPE	
Batería / *Battery* / Batterie	
Estación de carga / *Charging station* / Station de chargement	
Gancho para cinturón / *Belt clip* / Attache pour ceinture	
Maleta / *Case* / Malette	
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Carcasa y engranajes planetarios íntegramente metálicos / *Completely metallic planetary gears and housing* / Carcasse et engrenages planétaires complètement métalliques	



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ZUBEHÖR* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	V	Válido para / *Valid for* / Valable pour
59056	Batería / *Battery* / Batterie	18V	58887

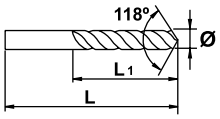


COD.	Descripción / *Description* / Description	V	Válido para / *Valid for* / Valable pour
58890	Cargador / *Charger* / Chargeur	18V	58887



BROCAS / *TWIST DRILL* / MÈCHES / *BOHRER* / PUNTE PER TRAPANO / *BROCAS* / СВЕРЛО

HSS





COD.	O.D. mm	L (mm)	L1 (mm)	g	
66281	0,5	22	6	1	
66282	1	34	12		
66283	1,2	38	16		
66284	1,5	40	18		
66285	1,7	43	20		
66286	2	49	24	2	
66287	2,2	53	27		
66288	2,5	57	30		
66289	2,7	61	33		
66290	3	75	43		
66291	3,2	65	36	3	
66292	3,3	70			
66293	3,5		39	4	
66294	3,7				
66295	4	75	43	5	
66296	4,2				
66297	4,3	80	47	6	
66298	4,5			7	
66299	4,7				
66300	5	86	52	8	10
66301	5,2				
66302	5,5	93	57	9	
66303	5,7				
66304	6			10	
66305	6,2	101	63		
66306	6,5			15	
66307	6,7				
66308	7	109	69	20	
59108	7,25			25	
66309	7,5				
59109	7,75	117	75	30	
66310	8				
59110	8,25				
66311	8,5				
59111	8,75	125	81	35	
66312	9				
66313	9,5			40	
66314	10	133	87	50	
66375	10,5	135		55	
66315	11	142	94	65	5
66316	11,5				
66317	12	151	101	80	

COD.	O.D. mm	L (mm)	L1 (mm)	g	
66318	12,5	151	101	80	
66319	13			85	
66320	14	160	108		
66321	15	178	120	90	5
66322	16			100	
66324	18	191	130	150	
66326	20	205	140	200	

DIN 338

KIT

COD.	PCS.	Rango (mm) / *Range (mm)* / Rang (mm)	g
66327	19	1-1,5-2-2,5-3-3,5-4-4,5-5-5,5-6-6,5-7-7,5-8-8,5-9-9,5-10	300

DIN 338



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	Ø (mm)
	66282		1
	66284		1,5
	66286		2
	66288		2,5
	66290		3
	66293		3,5
	66295		4
	66298		4,5
	66300		5
1	66302	Brocas / *Twist drills*	5,5
	66304		6
	66306		6,5
	66308		7
	66309		7,5
	66310		8
	66311		8,5
	66312		9
	66313		9,5
	66314		10

COD.	PCS.	Rango (mm) / *Range (mm)* / Rang (mm)	g
66328	25	1-1,5-2-2,5-3-3,5-4-4,5-5-5,5-6-6,5-7-7,5-8-8,5-9-9,5-10-10,5-11-11,5-12-12,5-13	750

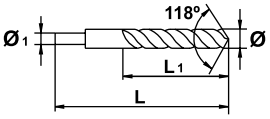
DIN 338



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	Ø (mm)
	66282		1
	66284		1,5
	66286		2
	66288		2,5
	66290		3
	66293		3,5
	66295		4
	66298		4,5
	66300		5
	66302		5,5
1	66304	Brocas / *Twist drills*	6
	66306		6,5
	66308		7
	66309		7,5
	66310		8
	66311		8,5
	66312		9
	66313		9,5
	66314		10
	66375		10,5
	66315		11

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	Ø (mm)
1	66316	Brocas / *Twist drills*	11,5
	66317		12
	66318		12,5
	66319		13

HSS STANDARD REDUCIDA / *HSS DRILL BIT WITH REDUCED SHANK* / HSS TANDARD RÉDUIT / *HSS BOHRER MIT REDUZIERTEM SCHAFT* / HSS STANDARD RIDOTTA / *BROCA HSS COM CONE REDUZIDO* / СВЕРЛО HSS С УМЕНЬШЕННЫМ ХВОСТОВИКОМ

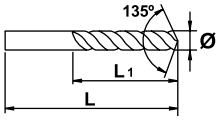




COD.	O.D. mm	Ø 1 (mm)	L (mm)	L1 (mm)	g	
66376	13,5	12,7	160	108	100	1
66377	14				115	
66378	14,5		169	114	120	
66379	15					
66380	15,5		178	120	140	
66381	16				155	
66382	16,5		184	125	160	
66383	17					
66272	17,5		191	130	200	
66273	18					
66274	18,5		198	135	230	
66275	19				215	
66276	19,5		205	140	260	
66277	20					

DIN 338

HSS-CO





COD.	O.D. mm	L (mm)	L1 (mm)	g	
66329	1	34	12	1	10
66330	1,25	38	16		
66331	1,5	40	18		
66332	1,75	46	22		
66333	2	49	24	2	
66334	2,25	53	27		
66335	2,5	57	30		
66336	2,75	61	33		
66337	3	75	43		
66338	3,25	65	36	3	
66339	3,5	70	39	4	
66340	3,75				
66341	4	75	43	5	
66342	4,25				
66343	4,5	80	47	7	
66344	4,75				
66345	5	86	52	8	
66346	5,25				
66347	5,5	93	57	9	
66348	5,75				
66349	6			10	
66350	6,25	101	63		
66351	6,5			15	
66352	6,75	109	69		

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COD.	O.D. mm	L (mm)	L1 (mm)	g	
66353	7	109	69	20	10
66354	7,25				
66355	7,5			25	
66360	7,75	117	75		
66361	8			30	
66362	8,25				
66363	8,5				
66364	8,75	125	81	35	5
66365	9				
66366	9,25				
66367	9,5			40	
66368	9,75	133	87		
66369	10			50	
66370	10,5				
66371	11,5	142	94	65	
66372	12	151	101	80	
66374	12,5				

DIN 338



PROYECTOS PRINCIPALES
MAIN PROJECT
PRINCIPAUX PROJETS

NOV - National Oilwell Varco

PETRÓLEO Y GAS / OIL&GAS / PÉTROLE ET GAZ

EEUU / USA / ÉTATS-UNIS







14

LIMAS, ESCOFINAS, BOTADORES Y GRANETES
FILES, RASPS & PUNCHES
LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES
FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER
LIMA, RASPE E PUNZONI
LIMAS, GROSAS E PUNÇÕES
НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ



La gama completa de limas y escofinas super-profesionales EGA Master ofrece soluciones a todas las necesidades de acabado.

***EGA Master** super-professional file and rasp range offers solutions to all finishing needs.*

La gamme complète de limes et de râpes super professionnelles EGA Master donne une solution á tous les problèmes.

		Debaste *Roughing* Bâtarde	Limado medio *Medium filing* Demi-douce	Afilado o limado fino *Sharpening or smooth filing* Douce
Picado sencillo *Single cut* Une taille			■	■
Picado doble *Double cut* Doble coupe	Basto *Bastard* Bâtard	■	●	
	Entrefino *Medium* Demi douce		■	●
	Fino *Smooth* Douce		■	■
Escofina *Rasp* Râpe		■		

● Aceptable / *Aceptable* / Acceptable ■ Adecuado / *Appropiate* / Idéal



1
Acero alto en cromo y carbono.
High chrome and carbon steel.
Acier en haute teneur en chrome et carbone.

2
Templados hasta los 65 HRC.
Tempered up to 65HRC.
Trempé jusqu'à 65HRC.

3
Mango Bi-componente ergonómico y antideslizante BIMAT® de gran atractivo.
Highly atractive BIMAT® ergonomic and anti-slippery handle.
Manche bi-matière , ergonomique et anti-dérapant très attrayant.

4
Protección antioxidante.
Rust-proof treatment.
Protection anti-oxydation.

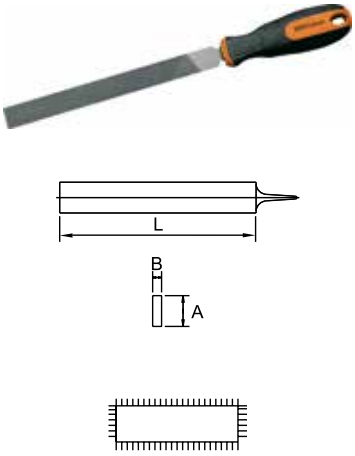
		Fundición *Casting* Fonte	Acero sin templar *Non Templed alloy* Acier	Acero de alta aleación *High Alloy steel* Alliage d´acier	Latón bronce *Brass Bronze* Laiton bronze	Aluminio *Aluminium* Aluminium	Madera, Plasticos… *Wood, plastic…* Bois, plastique…
Picado sencillo *Single cut* Une taille			■	■			
Picado doble *Double cut* Doble coupe	Basto *Bastard* Bâtard	■	■	●	■	■	●
	Entrefino *Medium* Demi douce	■	■	■	■	■	
	Fino *Smooth* Douce	●	■	■	●		
Escofina *Rasp* Râpe							■

● Aceptable / *Aceptable* / Acceptable ■ Adecuado / *Appropiate* / Idéal

STANDARD

LIMAS PLANAS PARALELAS / *HAND FILES* / LIMES PLATES PARALLELES / *FLACHSTUMPF* / LIMA PIATTA PARALLELA / *LIMAS PARALELAS* / РУЧНЫЕ НАПИЛЬНИКИ

COD.	L (inch)		/cm		A (mm)	B (mm)	g	
63491	4	1	14	85	12	2,5	45	5
63492		2	22					
63493		3	28					
63494	6	1	11		16	4,0	90	
63495		2	18					
63496		3	22					
63497	8	1	10	114	20	5,0	200	
63498		2	16					
63499		3	20					
63500	10	1	9		35	6,0	310	
63501		2	12					
63502		3	18					
63503	12	1	8	135	30	6,5	410	
63504		2	11					
63505		3	16					
63506	14	1	7		35	7,5	650	
63507		2	10					
63508		3	14					



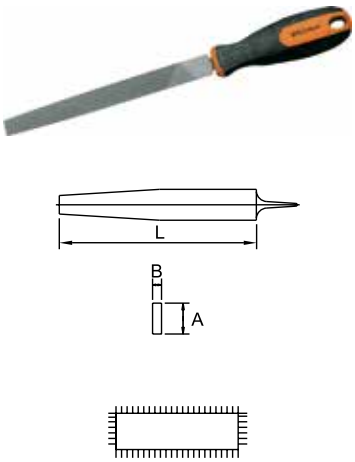
1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 8%)
Ángulo de corte según la norma / *Angle cut according to* / Angle de coupe conforme à la norme	ISO 234/2 (65º +/- 5%)

LIMAS PLANAS DE PUNTA / *FLAT FILES* / LIMES PLATES DE BOUT / *FLACHSPITZ* / LIMA PIATTA A PUNTA / *LIMAS CHATAS* / ПЛОСКИЕ НАПИЛЬНИКИ

COD.	L (inch)		/cm		A (mm)	B (mm)	g	
63527	4	1	14	85	12	2,5	40	5
63528		2	22					
63529		3	28					
63530	6	1	11		16	4,0	80	
63531		2	18					
63532		3	22					
63533	8	1	10	114	20	5,0	180	
63534		2	16					
63535		3	20					
63536	10	1	9		35	6,0	270	
63537		2	12					
63538		3	18					
63539	12	1	8	135	30	6,5	370	
63540		2	11					
63541		3	16					
63542	14	1	7		35	7,5	600	
63543		2	10					
63544		3	14					



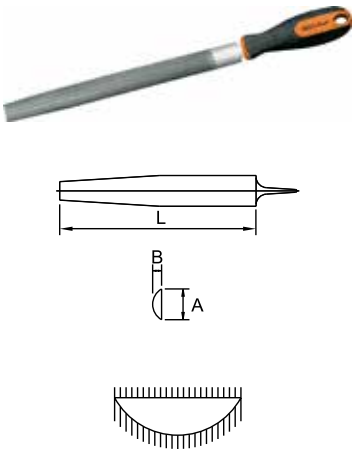
1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 8%)
Ángulo de corte según la norma / *Angle cut according to* / Angle de coupe conforme à la norme	ISO 234/2 (65º +/- 5%)

LIMAS MEDIA CAÑA / *HALF ROUND FILES* / LIMES DEMI-RONDES / *HALBRUND-FEILEN, SPITZE FORM* / LIMA MEZZATONDA / *LIMAS MEIA CANA* / ПОЛУКРУГЛЫЕ НАПИЛЬНИКИ

COD.	L (inch)		/cm		A (mm)	B (mm)	g	
63563	4	1	14	85	10,5	3,0	24	5
63564		2	22					
63565		3	28					
63566	6	1	11		16	4,5	70	
63567		2	18					
63568		3	22					
63569	8	1	10	114	20	6,0	150	
63570		2	16					
63571		3	20					
63572	10	1	9		25	7,0	260	
63573		2	12					
63574		3	18					
63575	12	1	8	135	30	8,5	370	
63576		2	11					
63577		3	16					
63578	14	1	7,0		35	10	650	
63579		2	10					
63580		3	14					



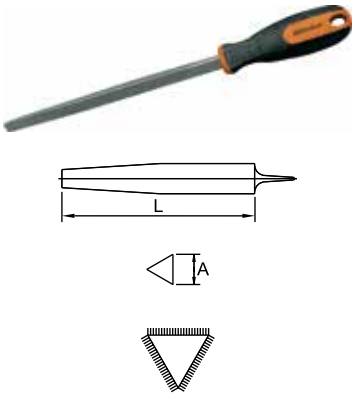
1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 8%)
Ángulo de corte según la norma / *Angle cut according to* / Angle de coupe conforme à la norme	ISO 234/2 (65º +/- 5%)

LIMAS TRIANGULARES / *TRIANGULAR FILES* / LIMES TRIANGULAIRES / *DREIKANTFEILEN* / LIMA TRIANGOLARE / *LIMATÕES TRIANGULARES* / ТРЕУГОЛЬНЫЕ НАПИЛЬНИКИ

COD.	L (inch)		/cm		A (mm)	g	
63599	4	1	14	85	8,0	27	5
63600		2	22				
63601		3	28				
63602	6	1	11		11	70	
63603		2	18				
63604		3	22				
63605	8	1	10	114	15	150	
63606		2	16				
63607		3	20				
63608	10	1	9		17	205	
63609		2	12				
63610		3	18				
63611	12	1	8,0	135	20	340	
63612		2	11				
63613		3	16				
63614	14	1	7		24	600	
63615		2	10				
63616		3	14				



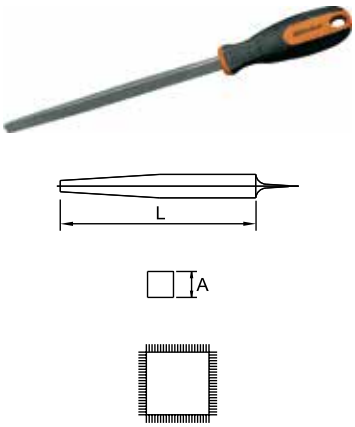
1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 8%)
Ángulo de corte según la norma / *Angle cut according to* / Angle de coupe conforme à la norme	ISO 234/2 (65º +/- 5%)

LIMAS CUADRADAS / *SQUARE FILES* / LIMES CARREES / *VIERKANTFEILEN* / LIMA QUADRA / *LIMATÕES QUADRADOS* / КВАДРАТНЫЕ НАПИЛЬНИКИ

COD.	L (inch)		/cm		A (mm)	g	
63635	4	1	14	85	4,0	18	5
63636		2	22				
63637		3	28				
63638	6	1	11		6,0	36	
63639		2	18				
63640		3	22				
63641	8	1	10	114	8,0	95	
63642		2	16				
63643		3	20				
63644	10	1	9		10	130	
63645		2	12				
63646		3	18				
63647	12	1	8	135	12	390	
63648		2	11				
63649		3	16				
63650	14	1	7		15	550	
63651		2	10				
63652		3	14				



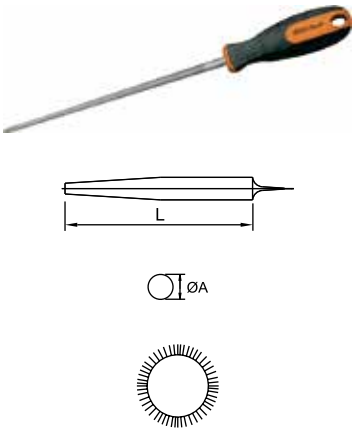
1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 8%)
Ángulo de corte según la norma / *Angle cut according to* / Angle de coupe conforme à la norme	ISO 234/2 (65º +/- 5%)

LIMAS REDONDAS / *ROUND FILES* / LIMES RONDES / *RUNDFEILEN* / LIMA TONDA / *LIMATÕES REDONDOS* / КРУГЛЫЕ НАПИЛЬНИКИ

COD.	L (inch)		/cm		A (mm)	g	
63671	4	1	13	85	4,0	13	5
63672		2	16				
63673		3	19				
63674	6	1	11		6,0	34	
63675		2	14				
63676		3	17				
63677	8	1	10	114	7,5	75	
63678		2	13				
63679		3	16				
63680	10	1	9		9,5	150	
63681		2	12				
63682		3	15				
63683	12	1	8	135	12	270	
63684		2	11				
63685		3	14				
63686	14	1	7		15	550	
63687		2	10				
63688		3	13				



1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 8%)
Ángulo de corte según la norma / *Angle cut according to* / Angle de coupe conforme à la norme	ISO 234/2 (65º +/- 5%)

JUEGOS / *SETS* / JEUX / *SÄTZE* / ASSORTIMENTI / *JOGOS* / НАБОРЫ

JUEGO DE 5 LIMAS DE 10" BASTA / *10" BASTARD FILE SET 5 PCS* / JEU DE 5 LIMES BATARDES 10" / *SET BASTARD FEILEN 5 STÜCK* / KIT 5 LIME BASTARDE 10" / *JOGO DE 5 LIMAS DE 10" BASTARDAS* / 10" ГРУБЫЕ НАПИЛЬНИКИ НАБОР ИЗ 5 ШТ

COD.	PCS.
63760	5

PCS.	COD. PCS.	Descripción / *Description* / Description	L (inch)
	63536	Lima plana punta basta / *Bastard flat file*	
	63572	Lima media caña basta / *Bastard half round file*	
1	63608	Lima triangular basta / *Bastard triangular file*	10
	63644	Lima cuadrada basta / *Bastard square file*	
	63680	Lima redonda basta / *Bastard round file*	



JUEGO DE 5 LIMAS DE 10" ENTREFINA / *10" MEDIUM FILE SET 5 PCS* / JEU DE 5 LIMES DEMI-DOUCES 10" / *SET MEDIUM FEILEN 5 STÜCK* / KIT 5 LIME EXTRA FINE 10" / *JOGO DE 5 LIMAS 10" MEIO MURÇO* / 10" СРЕДНИЕ НАПИЛЬНИКИ НАБОР ИЗ 5 ШТ

COD.	PCS.
63762	5

PCS.	COD. PCS.	Descripción / *Description* / Description	L (inch)
	63537	Lima plana punta entrefina / *Medium flat file*	
	63573	Lima media caña entrefina / *Medium half round file*	
1	63609	Lima triangular entrefina / *Medium triangular file*	10
	63645	Lima cuadrada entrefina / *Medium square file*	
	63681	Lima redonda entrefina / *Medium round file*	



JUEGO DE 5 LIMAS DE 10" FINA / *10" SMOOTH FILE SET 5 PCS* / JEU DE 5 LIMES DOUCES 10" / *SET SCHLICHT FEILEN 5 STÜCK* / KIT 5 LIME FINE 10" / *JOGO DE 5 LIMAS 10" MURÇO* / 10" МЕЛКИЕ НАПИЛЬНИКИ НАБОР ИЗ 5 ШТ

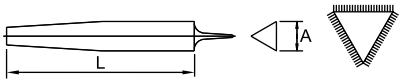
COD.	PCS.
63767	5

PCS.	COD. PCS.	Descripción / *Description* / Description	L (inch)
	63538	Lima plana punta fina / *Smooth flat file*	
	63574	Lima media caña fina / *Smooth half round file*	
1	63610	Lima triangular fina / *Smooth triangular file*	10
	63646	Lima cuadrada fina / *Smooth square file*	
	63682	Lima redonda fina / *Smooth round file*	



LIMAS AFILADO / *SHARPENING FILES* / LIMES D´AFFÛTAGE / *PRÄZISIONSNADELFEILEN DÜNN* / LIMA AFFILATA / *LIMAS DE AFIAR, DE AGRICULTOR* / ЗАТАЧИВАЮЩИЕ НАПИЛЬНИКИ

LIMA TRIANGULAR DELGADA / *SLIM TAPER SAW* / LIME TRIANGULAIRE ETROITE / *PRÄZISIONNADELFEILEN DÜNN* / LIMA TRIANGOLARE / *LIMAS TRIANGULARES FINAS* / ТРЕУГОЛЬНЫЙ НАПИЛЬНИК



COD.	L (inch)			A (mm)	g	
63692	4	4	85	4,5	10	5
63693	5			6,0	25	

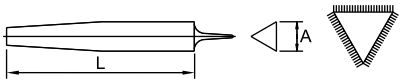
4 : Extrafina / *Very smooth* / Extrafine

ISO 234/1 - ISO 234/2



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 5%)
Ángulo de corte según la norma / *Angle cut according to* / Angle de coupe conforme à la norme	ISO 234/2 (60º +/- 5%)

LIMA TRIANGULAR EXTRA-DELGADA / *EXTRA REGULAR TAPER SAW* / LIME EXTRA FINE / *DREIKANTFEILEN* / LIMA TRIANGOLARE EXTRA-SOTTILE / *LIMAS TRIANGULARES EXTRA-FINAS* / МЕЛКИЙ ТРЕУГОЛЬНЫЙ НАПИЛЬНИК



COD.	L (inch)			A (mm)	g	
63696	4	4	85	4,0	10	5
63697	5			5,0	20	

4 : Extrafina / *Very smooth* / Extrafine

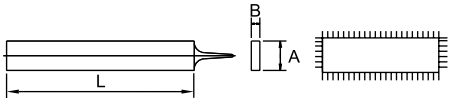
ISO 234/1 - ISO 234/2



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 5%)
Ángulo de corte según la norma / *Angle cut according to* / Angle de coupe conforme à la norme	ISO 234/2 (60º +/- 5%)

ESCOFINAS / *RASPS* / RAPES / *SCHABER* / RASPA / *GROSAS* / РАШПИЛИ

ESCOFINAS PLANAS PARALELAS / *HAND WOOD RASPS* / RÂPES PLATES PARALLÈLES / *FLACH RAPS* / RASPA PIATTA PARALLELA / *GROSAS PARALELAS* / РУЧНЫЕ РАШПИЛИ ПО ДЕРЕВУ



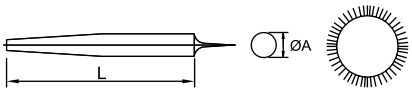
COD.	L (inch)	/cm		A (mm)	B (mm)	g		
63700	10	3	115	24	7,0	125	5	●
63701	12		135	28	8,0	220		

ISO 234/1 - ISO 234/2



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 12%)

ESCOFINAS REDONDAS / *ROUND RASPS* / RAPES RONDES / *RUNDE RAPS* / RASPA TONDA / *GROSAS REDONDAS* / КРУГЛЫЕ РАШПИЛИ



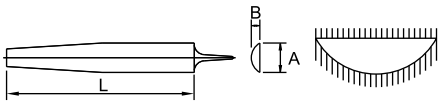
COD.	L (inch)	/cm		A (mm)	g	
63712	8	3	114	9,5	60	5
63713	10			11	125	

ISO 234/1 - ISO 234/2



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tolerancia en corte según la norma / *Cutting tolerance according to* / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 12%)

ESCOFINAS MEDIA CAÑA / *HALF ROUND RASPS* / RÂPES DEMI-RONDES / *HALBRUND RAPS* / RASPA MEZZOTANDA / *GROSAS MEIA CANA* / ПОЛУКРУГЛЫЙ РАШПИЛЬ



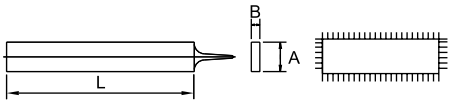
COD.	L (inch)	/cm		A (mm)	B (mm)	g	
63706	6	3	85	16	4,0	80	5
63707	8		114	20	5,5	140	
63708	10			24	7,0	240	
63709	12		135	28	8,0	370	

ISO 234/1 - ISO 234/2



LIMAS DE AGUJA / *NEEDLE FILES* / LIMES AIGUILLES / *NADELFEILEN* / LIMA A PUNTA / *LIMAS DE CALADO* / НАДФИЛИ

LIMAS PLANAS PARALELAS / *HAND FILES* / LIMES PLATES PARALLELES / *FLACHSTUMPF* / LIMA PIATTA PARALLELA / *LIMAS PARALELAS* / РУЧНОЙ НАДФИЛЬ



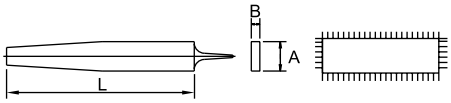
COD.	L (inch)		/cm	A (mm)	B (mm)	g		
63714	6	2	25	16	3,3	70	24	●

2 : Entrefina / *Medium* / Demi-douce

ISO 234/1 - ISO 234/2



LIMAS PLANAS DE PUNTA / *FLAT FILES* / LIMES PLATES DE BOUT / *NADELFLACHSTUMPF* / LIMA PIATTA A PUNTA / *LIMAS CHATAS* / ПЛОСКИЙ НАДФИЛЬ



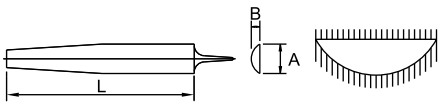
COD.	L (inch)		/cm	A (mm)	B (mm)	g		
63715	6	2	25	16	3,3	65	24	●

2 : Entrefina / *Medium* / Demi-douce

ISO 234/1 - ISO 234/2



LIMAS MEDIA CAÑA / *HALF ROUND FILES* / LIMES DEMI-RONDES / *HALBRUND-FEILEN* / LIMA MEZZATONDA / *LIMAS MEIA CANA* / ПОЛУКРУГЛЫЙ НАДФИЛЬ



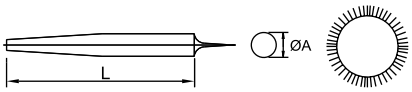
COD.	L (inch)		/cm	A (mm)	B (mm)	g		
63716	6	2	25	16	4,2	65	24	●

2 : Entrefina / *Medium* / Demi-douce

ISO 234/1 - ISO 234/2



LIMAS REDONDAS / *ROUND FILES* / LIMES RONDES / *RUNDFEILEN* / LIMA TONDA / *LIMATÕES REDONDOS* / КРУГЛЫЙ НАДФИЛЬ



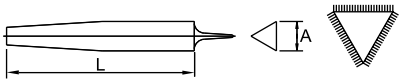
COD.	L (inch)		mm/cm	A (mm)	g		
63717	6	2	25	5,5	30	24	●

2 : Entrefina / *Medium* / Demi-douce

ISO 234/1 - ISO 234/2



LIMAS TRIANGULARES / *TRIANGULAR FILES* / LIMES TRIANGULAIRES / *DREIKANTFEILEN* / LIMA TRIANGOLARE / *LIMAS TRIANGULARES* / ТРЕУГОЛЬНЫЙ НАДФИЛЬ



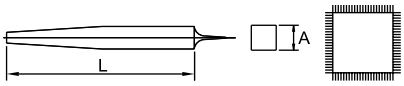
COD.	L (inch)		mm/cm	A (mm)	g		
63718	6	2	25	11	60	24	●

2 : Entrefina / *Medium* / Demi-douce

ISO 234/1 - ISO 234/2



LIMAS CUADRADAS / *SQUARE FILES* / LIMES CARRÉES / *VIERKANTFEILEN* / LIMA QUADRA / *LIMATÕES QUADRADOS* / КВАДРАТНЫЙ НАДФИЛЬ



COD.	L (inch)		mm/cm	A (mm)	g		
63719	6	2	25	5,0	35	24	●

2 : Entrefina / *Medium* / Demi-douce

ISO 234/1 - ISO 234/2



SET

COD.	PCS.
63768	6

PCS.	COD. PCS.	L (inch)
1	63714	6
	63715	
	63716	
	63717	
	63718	
	63719	

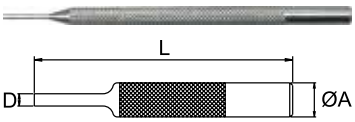


BOTADORES CILÍNDRICOS / *PIN PUNCHES* / CHASSES GOUPILLES / *DURCHSCHLÄGER* / PUNZONE CILINDRICO / *PUNÇÕES CILÍNDRICOS* / ПРОБОЙНИКИ

MOLETEADOS / *KNURLED* / MOLETAGE / *GERÄNDELT* / ZIGRINATO / *RECARTILHADOS* / С НАСЕЧКОЙ

COD.	D (mm)	L (mm)	A (mm)	g	
63380	2	125	8	40	25
63381	3			41	
63382	4			43	
63383	5		10	65	
63384	6				
63385	8		12	90	
63386	10		14	125	

DIN 6450



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
68590	7

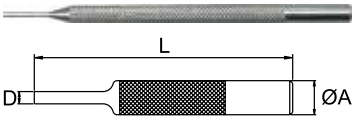
PCS.	COD. PCS.	D (mm)
1	63380	2
	63381	3
	63382	4
	63383	5
	63384	6
	63385	8
	63386	10



MOLETEADOS LARGOS / *LONG KNURLED* / LONG MOLETAGE / *LANG GERÄNDELT* / ZIGRINATO LARGO / *RECARTILHADOS LONGOS* / ДЛИННЫЕ С НАСЕЧКОЙ

COD.	D (mm)	L (mm)	A (mm)	g	
63387	2	150	8	49	25
63388	3			50	
63389	4			55	
63390	5		10	75	
63391	6			80	
63392	8		12	115	
63393	10		14	160	

DIN 6450



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
68591	7

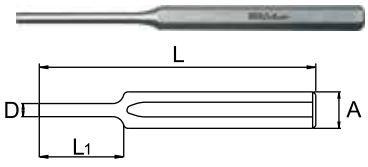
PCS.	COD. PCS.	D (mm)
1	63387	2
	63388	3
	63389	4
	63390	5
	63391	6
	63392	8
	63393	10



HEXAGONALES / *HEXAGONAL* / A SIX PANS / *HEXAGONAL* / ESAGONALI / *HEXAGONAIS* / ШЕСТИГРАННАЯ

COD.	D (mm)	L (mm)	A (mm)	g	
63394	2	100	8,0	28	25
63395	3	150		40	
63396	4			42	
63397	5		10	65	
63398	6			70	
63399	8		12	90	
63400	10			95	

DIN 6450



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
63763	7

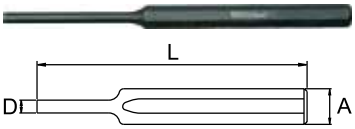
PCS.	COD. PCS.	D (mm)
1	63394	2
	63395	3
	63396	4
	63397	5
	63398	6
	63399	8
	63400	10



OCTOGONAL / *OCTOGONAL* / OKTOGONAL / *OCTOGONAL* / OTTAGONALE / *OCTOGONAIS* / ВОСЬМИГРАННЫЕ

COD.	D (mm)	L (mm)	A (mm)	g	
63401	2	150	10	65	25
63402	3				
63403	4				
63404	5				
63405	6			70	
63406	8		12	105	
63407	10			120	

DIN 6450



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
68592	7

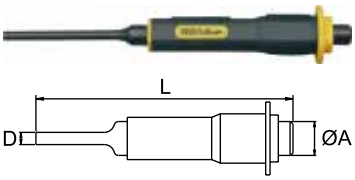
PCS.	COD. PCS.	D (mm)
1	63401	2
	63402	3
	63403	4
	63404	5
	63405	6
	63406	8
	63407	10



CON MANGO / *WITH HANDLE* / AVEC MANCHE / *MIT GRIFF* / CON MANICO / *COM CABO* / С РУКОЯТКОЙ

COD.	D (mm)	L (mm)	A (mm)	g	
63447	2	165	8	65	10
63448	3	175			
63449	4	185	10	100	
63450	5	200		110	
63451	6		12	150	
63452	7	210		160	
63453	8			170	
63454	9	220	14	230	
63455	10			240	
63456	12	230	16	330	
63457	14	240	18	430	
63458	16	250		500	

DIN 6450



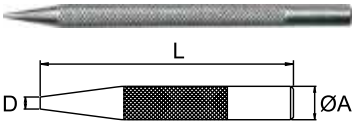
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

BOTADORES CÓNICOS / *TAPER PUNCHES* / CHASSE CLOU / *KÖRNER* / PUNZONE CONICO / *PUNÇÕES CÓNICOS* / КОНИЧЕСКИЕ ПРОБОЙНИКИ

MOLETEADOS / *KNURLED* / MOLETAGE / *GERÄNDELT* / ZIGRINATO / *RECARTILHADOS* / С НАСЕЧКОЙ

COD.	D (mm)	L (mm)	A (mm)	g	
63408	2	125	8	44	25
63409	3			45	
63410	4			47	
63411	5		10	70	
63412	6				
63413	8		12	100	
63414	10		14	130	

DIN 6458



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
68593	7

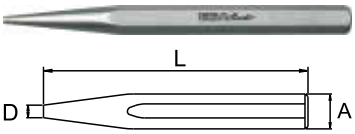
PCS.	COD. PCS.	D (mm)
1	63408	2
	63409	3
	63410	4
	63411	5
	63412	6
	63413	8
	63414	10



HEXAGONALES / *HEXAGONAL* / A SIX PANS / *HEXAGONAL* / ESAGONALI / *HEXAGONAIS* / ШЕСТИГРАННАЯ

COD.	D (mm)	L (mm)	A (mm)	g	
63415	2	125	10	60	25
63416	3			65	
63417	4				
63418	5				
63419	6			70	
63420	8	150	12	110	
63421	10			120	

DIN 6458



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
63764	7

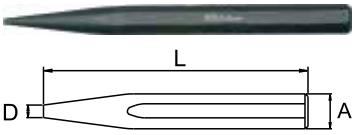
PCS.	COD. PCS.	D (mm)
1	63415	2
	63416	3
	63417	4
	63418	5
	63419	6
	63420	8
	63421	10



OCTOGONAL / *OCTOGONAL* / OKTOGONAL / *OCTOGONAL* / OTTAGONALE / *OCTOGONAIS* / ВОСЬМИГРАННЫЕ

COD.	D (mm)	L (mm)	A (mm)	g	
63422	2	120	10	60	25
63423	3			65	
63424	4	150		75	
63425	5			80	
63426	6				
63427	8		12	120	
63428	10			135	

DIN 6458



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
68594	7

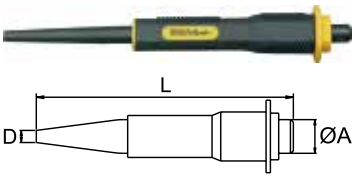
PCS.	COD. PCS.	D (mm)
1	63422	2
	63423	3
	63424	4
	63425	5
	63426	6
	63427	8
	63428	10



CON MANGO / *WITH HANDLE* / CHASSE CLOU EMMENCHÉ / *MIT GRIFF* / CON MANICO / *COM CABO* / С РУКОЯТКОЙ

COD.	D (mm)	L (mm)	A (mm)	g	
63459	2	165	8	75	10
63460	3	175		80	
63461	4	185	10	110	
63462	5			115	
63463	6			120	
63464	8		12	170	
63465	10			200	

DIN 6458



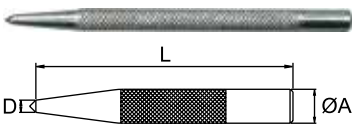
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

GRANETES / *CENTER PUNCHES* / POINTEAUX / *KÖRNER* / PUNZONI / *PUNÇÕES* / МЕТЧИКИ

MOLETEADOS / *KNURLED* / MOLETAGE / *GERÄNDELT* / ZIGRINATO / *RECARTILHADOS* / С НАСЕЧКОЙ

COD.	D (mm)	L (mm)	A (mm)	g	
63429	2,5	125	8	42	25
63430	3			43	
63431	4			45	
63432	6		10	70	
63433	8		12	100	
63434	10		14	130	

DIN 7250



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
68595	6

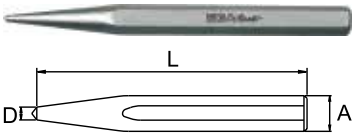
PCS.	COD. PCS.	D (mm)
1	63429	2,5
	63430	3
	63431	4
	63432	6
	63433	8
	63434	10



HEXAGONALES / *HEXAGONAL* / A SIX PANS / *HEXAGONAL* / ESAGONALI / *HEXAGONAIS* / ШЕСТИГРАННАЯ

COD.	D (mm)	L (mm)	A (mm)	g	
63435	2,5	100	8	35	25
63436	3				
63437	4	115		40	
63438	6	125	10	70	
63439	8	150	12	120	
63440	10	160		130	

DIN 7250



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
63765	6

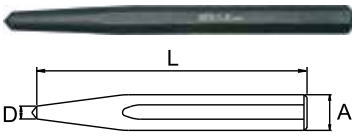
PCS.	COD. PCS.	D (mm)
1	63435	2,5
	63436	3
	63437	4
	63438	6
	63439	8
	63440	10



OCTOGONAL / *OCTOGONAL* / OKTOGONAL / *OCTOGONAL* / OTTAGONALE / *OCTOGONAIS* / ВОСЬМИГРАННЫЕ

COD.	D (mm)	L (mm)	A (mm)	g	
63441	2,5	120	10	60	25
63442	3			65	
63443	4				
63444	6				
63445	8		12	95	
63446	10			105	

DIN 7250



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

COD.	PCS.
68596	6

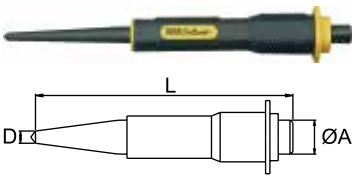
PCS.	COD. PCS.	D (mm)
1	63441	2,5
	63442	3
	63443	4
	63444	6
	63445	8
	63446	10



CON MANGO / *WITH HANDLE* / POINTEAU EMMENCHÉ / *MIT GRIFF* / CON MANICO / *COM CABO* / С РУКОЯТКОЙ

COD.	D (mm)	L (mm)	A (mm)	g	
63466	2	165	8	75	10
63467	3				
63468	4	175	10	115	
63469	5				
63470	6			120	
63471	8	185	12	165	

DIN 7250



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

SET

CINCELES, BOTADORES Y GRANETES / *CHISELS AND PUNCHES* / BURINS, CHASSE-GOUPILLES , CHASSE-CLOUS / *MEISSEL UND DURCHSCHLÄGE* / SCALPELLI E PUNZONI / *ESCOPROS, SACA-TROÇOS E PUNÇÕES* / ДОЛОТА И ПРОБОЙНИКИ

6 PCS.

COD.	PCS.	g
69953	6	700

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	62847	Cincel mecánico / *Flat cold chisel*	12 x 11 x 100 mm
	62848		15 x 14 x 125 mm
	63398	Botador cilíndrico / *Pin punch*	6 x 10 x 150 mm
	63396		4 x 8 x 150 mm
	63416	Botador cónico / *Taper punch*	3 x 10 x 125 mm
	63436	Granete / *Center punch*	3 x 8 x 100 mm



COD.	PCS.	g
69954	6	700

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	62847	Cincel mecánico / *Flat cold chisel*	12 x 11 x 100 mm
	62848		15 x 14 x 125 mm
	62871	Buril plano / *Crosscut chisel*	5 x 14 x 125 mm
	63396	Botador cilíndrico / *Pin punch*	4 x 8 x 150 mm
	63416	Botador cónico / *Taper punch*	3 x 10 x 125 mm
	63436	Granete / *Center punch*	3 x 8 x 100 mm



BOTADORES CILÍNDRICOS / *PIN PUNCHES* / CHASSE GOUPILLES / *RUNDDURCHSCHLÄGER* / PUNZONE CILINDRICO / *PUNÇÕES CILÍNDRICOS* / ПРОБОЙНИКИ

6 PCS.

COD.	PCS.	g
69957	6	500

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	63394	Botador cilíndrico / *Pin punch*	2 x 8 x 100 mm
	63395		3 x 8 x 150 mm
	63396		4 x 8 x 150 mm
	63397		5 x 10 x 150 mm
	63398		6 x 10 x 150 mm
	63399		8 x 12 x 150 mm



COD.	PCS.	g
69958	6	700



PCS.	COD. PCS.	Descripción / *Description* / Description
1	63394	Botador cilíndrico / *Pin punch* 2 x 8 x 100 mm
	63395	3 x 8 x 150 mm
	63396	4 x 8 x 150 mm
	63397	5 x 10 x 150 mm
	63398	6 x 10 x 150 mm
	63399	8 x 12 x 150 mm

BOTADORES Y GRANETES / *PUNCHES* / POINTEAUX / *DURCHSCHLÄGE* / PUNZONI / *SACA-TROÇOS E PUNÇÕES* / ПРОБОЙНИКИ

6 PCS.

COD.	PCS.	g
69955	6	700



PCS.	COD. PCS.	Descripción / *Description* / Description
1	63415	Botador cónico / *Taper punch* 2 x 10 x 125 mm
	63416	3 x 10 x 125 mm
	63417	4 x 10 x 125 mm
	63418	5 x 10 x 125 mm
	63419	6 x 10 x 125 mm
	63437	Granete / *Center punch* 4 x 8 x 100 mm

COD.	PCS.	g
69956	6	750



PCS.	COD. PCS.	Descripción / *Description* / Description
1	63415	Botador cónico / *Taper punch* 2 x 10 x 125 mm
	63416	3 x 10 x 125 mm
	63417	4 x 10 x 125 mm
	63418	5 x 10 x 125 mm
	63419	6 x 10 x 125 mm
	63437	Granete / *Center punch* 4 x 8 x 100 mm

60 PCS.

COD.	PCS.	Kg
55565	60	4,0



PCS.	COD. PCS.	Descripción / *Description* / Description
5	63415	Botador cónico / *Taper punch* 2 x 10 x 125 mm
	63416	3 x 10 x 125 mm
	63417	4 x 10 x 125 mm
	63418	5 x 10 x 125 mm
	63419	6 x 10 x 125 mm
	63438	Granete / *Center punch*
	63439	8 x 12 x 150 mm
	63394	Botador cilíndrico / *Pin punch* 2 x 8 x 100 mm
	63395	3 x 8 x 150 mm
	63396	4 x 8 x 150 mm
	63397	5 x 10 x 150 mm
	63398	6 x 10 x 150 mm

15

HERRAMIENTAS PARA AUTOMOCIÓN
AUTOMOTIVE TOOLS
OUTILS POUR L'AUTOMOBILE
AUTOMOBILWERKZEUGE
UTENSILI PER L'AUTOMOTIVE
FERRAMENTAS PARA AUTOMOÇÃO
АВТОМОБИЛЬНЫЙ ИНСТРУМЕНТ



EGA AUTO

La amplia gama de herramientas para automoción EGA Master está concebida para cubrir la gran mayoría de necesidades en la reparación y puesta a punto profesional de vehículos a motor:

*The wide **EGA Master** automotive tools range has been developed to cover the vast majority of the needs for the professional motor vehicle repair and tunning up:*

La vaste gamme d'outillage pour automation EGA Master est conçue pour couvrir la majorité de besoins à la réparation et la mise au point professionnelle des véhicules à moteur:












Equipos de taller *Repair shop equipment* Équipements d'atelier	
Vaciado y cambio de filtros *Emptying and filter change* Vidange et changement de filtres	
Bujías *Sparkplug* Boujies	
Motor *Engine* Moteur	
Frenos *Brakes* Freins	
Ruedas *Wheels* Roues	
Electricidad del automóvil *Auto electrics* Électricité de l'automobile	
Carrocería *Bodywork* Carrosseries	
Inspección *Inspection* Inspection	
Juegos de herramientas *Tool sets* Jeux d'outils	

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EGA AUTO

EQUIPAMIENTO DE TRABAJO / *WORKING EQUIPMENT* / ÉQUIPEMENT DE TRAVAIL / *ARBEITSGERÄTE* / EQUIPAGIAMENTO DA LAVORO / *EQUIPAMENTO DE TRABALHO* / РАБОЧЕЕ ОБОРУДОВАНИЕ

ELEVADOR HIDRÁULICO / *TROLLEY JACK* / CRIC HYDRAULIQUE / *FAHRBARER, HYDRAULISCHER WAGENHEBER* / ELEVATORE IDRAULICA / *MACACO HIDRÁULICO* / ДОМКРАТ-ТЕЛЕЖКА

COD.	CAP. (Ton)	H min. (inch)	H max. (inch)	H min. (mm)	H max. (mm)	L x W x H (mm)	Kg
51100	2	3	20	76	510	1006 x 365 x 135	42

CE



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Altura mínima / *Min. height* / Hauteur minimale	76 mm
Ruedas delanteras dobles en PU / *Double front wheels in PU materia* / Roues avants doubles en PU	Ø 56 x 43 mm
Ruedas traseras de nylon / *Back wheels in nylon material* / Roues arrières en nylon	Ø 75 x 31 mm
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	●
Asiento con protector de goma / *Saddle with rubber protection* / Siège avec protection en caoutchouc	●
Mango ovalado / *Oval handle* / Manche ovale	1 m
Control de descenso-ascenso por medio del pedal / *Foot pedal lowering-lifting control* / Contrôle de descente-montée par pédale	●

COD.	CAP. (Ton)	H min. (inch)	H max. (inch)	H min. (mm)	H max. (mm)	L x W x H (mm)	Kg
51579	3	5.1/8	18.1/8	130	460	630 x 328 x 165	29

CE



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Altura mínima / *Min. height* / Hauteur minimale	130 mm
Ruedas traseras / *Back wheels* / Roues arrières	Ø 60 x 35 mm
Ruedas delanteras / *Front wheels* / Roues avants	Ø 96 x 52,5 mm
Asiento con protector de goma / *Saddle with rubber protection* / Siège avec protection en caoutchouc	●
Mango / *Handle* / Manche	1 m

CABALLETE / *AXLE STAND* / CHANDELLE / *UNTERSTELLBOCK* / CAVALLETTO / *PREGUIÇA* / ОСЕВАЯ ПОДПОРКА

COD.	CAP. (Ton)	H min. (mm)	H max. (mm)	L x W x H (mm)	Kg
51102	2	280	420	195 x 170 x 280	5,5
51103	3	290	430	200 x 190 x 290	7,0
51104	6	400	600	285 x 255 x 400	13

CE



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Pin de seguridad / *Safety pin* / Axe de sécurité		●
Posiciones / *Positions* / Positions		
	51102	10
	51103	10
	51104	13
Zona de contacto protegida con PU / *Contact zone protected with PU* / Zone de contact protégée par PU		●
2 pcs/cod.		●

• Para más información de dimensiones y características del producto, consultar en el capítulo correspondiente del catálogo general o en www.egamaster.com. / *For more details about features and dimensions of the products, check the corresponding chapter of the General Catalogue or www.egamaster.com.* / Pour plus d'informations sur les dimensions et les caractéristiques du produit, consulter le chapitre correspondant de notre catalogue général ou sur www.egamaster.com.

EGA AUTO

ELEVADOR DE FOSO / *PIT JACK* / VÉRINS LÉVE PIÈCES / *GETRIEBEHEBER* / ELEVATORE / *MACACO DE FOSSA* / КАНАВНЫЙ ГРУЗОПОДЪЁМНИК

COD.	CAP. (Ton)	H min. (mm)	H max. (mm)	L x W x H (mm)	Kg
51660	0,3	1140	1945	580 x 580 x 1140	24
51661	0,5				

CE

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ruedas / *Wheels* / Roues	Ø 76 x 30 mm



GRÚA PLEGABLE DE TALLER / *FOLDING WORKSHOP CRANE* / GRUE PLIABLE DE MAGASIN / *WERKSTATTKRAN* / GRU PIEGHEVOLE / *GRUA HIDRÁULICA ARTICULADA PARA OFICINA* / СКЛАДНОЙ ЦЕХОВОЙ КРАН

COD.	CAP. (Ton)	H min. (mm)	H max. (mm)	L x W x H (mm)	Kg
51108	1	25	2040	1520 x 1100 x 1500	65

CE

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ruedas delanteras / *Front wheels* / Roues avants	Ø 125 x 35 mm
Ruedas traseras / *Back wheels* / Roues arrières	Ø 88 x 30 mm
Posiciones / *Positions* / Positions	1/4 Ton, 1/2 Ton, 3/4 Ton, 1 Ton
Plegable / *Foldable* / Pliable	●



EQUILIBRADOR DE CARGA / *LOAD BALANCER* / BALANCIER DE CHARGE / *BALANCIERER* / EQUILIBRATORE DI CARICO / *EQUILIBRADOR DE CARGA* / УРАВНИТЕЛЬ ГРУЗА

COD.	CAP. (Ton)	L x W x H (mm)	Kg
51109	0,68	450 x 55 x 210	5,5

CE

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Distancia entre ejes P1 / *Distance between axles P1* / Distance entre les axes P1	315 mm
Distancia entre ejes P2 / *Distance between axles P2* / Distance entre les axes P2	285 mm
Distancia entre ejes P3 / *Distance between axles P3* / Distance entre les axes P3	260 mm
Cadenas / *Chains* / Chaines	4
Longitud de las cadenas / *Length of the chains* / Longueur des chaînes	235 mm



SOPORTE DE MOTOR / *ENGINE STAND* / SUPPORT DE MOTEUR / *MOTORSTÄNDER* / CAVALLETTO SOSTEGNO MOTORE / *SUPORTE DE MOTOR* / КРОНШТЕЙН КРЕПЛЕНИЯ ДВИГАТЕЛЯ

COD.	CAP. (Ton)	L x W x H (mm)		Kg
51107	0,675	800 x 820 x 870	420 x 820 x 870	34

CE

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ruedas delanteras / *Front wheels* / Roues avants	Ø 85 x 30 mm
Ruedas traseras / *Back wheels* / Roues arrières	Ø 75 x 30 mm
Rueda central / *Middle wheel* / Roue centrale	Ø 62 x 30 mm
Plegable / *Foldable* / Pliable	●



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EGA AUTO

CAMILLA DE TRABAJO / *WORK CREEPER* / BRANCARD DE TRAVAIL / *WERKSTATTLIEGE* / LETTINO SOTTOMACCHINA / *ESTRADO DE TRABALHO* / РАБОЧАЯ КУШЕТКА

COD.	L x W x H (mm)	Kg
51589	1025 x 425 x 110	7,0



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ruedas / *Wheels* / Roues	Ø 75 x 20 mm
Espesor de la almohadilla / *Thickness of the pad* / Epaisseur du coussin	18 mm
Estructura tubular / *Tubular frame* / Structure tubulaire	Ø 25 x 1,5 mm
Máx. capacidad de carga / *Max. weight capacity* / Capacité maximum de charge	90 Kg
Cabecera ajustable / *Adjustable headrest* / Repose-tête réglable	●

ASIENTO DE TRABAJO / *WORK SEAT* / SIÈGE DE TRAVAIL / *WERKSTATTHOCKER* / SEGGIOLINO CON RUOTE / *BANCO DE TRABALHO* / РАБОЧЕЕ СИДЕНЬЕ

COD.	L x W x H (mm)	Kg
51110	360 x 365 x 365	5,0



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Bandeja portaherramientas / *Tool tray* / Plateau porte-outils	●
Ruedas / *Wheels* / Roues	Ø 63,5 x 20 mm
Espesor de la almohadilla / *Thickness of the pad* / Epaisseur du coussin	44 mm
Máx. capacidad de carga / *Max. weight capacity* / Capacité maximum de charge	90 Kg
Cajón portaherramientas / *Tool drawer* / Tiroir porte-outils	●

VACIADO Y FILTRADO / *LUBRICATION AND FILTRATION* / FILTRAGE ET VIDANGE / *SCHMIEREN UND FILTERN* / LUBRIFICAZIONE E FILTRI / *ESVAZIAMENTO E FILTRAGEM* / СМАЗКИ И ФИЛЬТРЫ

LLAVE AJUSTABLE PARA FILTRO DE ACEITE / *ADJUSTABLE OIL FILTER WRENCH* / CLÉ RÉGLABLE POUR FILTRE À HUILE / *VERSTELLBARER ÖLFILTERBANDSCHLÜSSEL* / CHIAVE REGOLABILE PER FILTRI OLIO / *CHAVE REGULÁVEL PARA FILTRO DE ÓLEO* / КЛЮЧ РАЗВОДНОЙ ДЛЯ МАСЛЕННОГО ФИЛЬТРА

COD.	CAP. (mm)	L (mm)	g	
51205	Ø 60-73	230	320	●
51206	Ø 73-85	270		
51207	Ø 85-95	300	360	
51208	Ø 95-110	350	370	



TENAZA PARA FILTRO DE ACEITE / *OIL FILTER PLIER* / PINCE POUR FILTRE À HUILE / *ÖLFILTERZANGE* / PINZA REGOLABILE PER FILTRI OLIO / *ALICATES AJUSTÁVEIS PARA FILTROS DE ÓLEO* / КЛЕЩИ ДЛЯ МАСЛЯНЫХ ФИЛЬТРОВ

COD.	CAP. (mm)	L (mm)	g	
51209	Ø 60-90	260	360	●



LLAVE PARA FILTRO DE ACEITE AUTORREGULABLE / *SELF-GRIPPING OIL FILTER WRENCH* / CLÉ POUR FILTRE À HUILE AUTO-RÉGLABLE / *ÖLFILTERSPINNE 3-ARMIG* / CHIAVE AUTOREGOLABILE A TRE BRACCI PER FILTRI OLIO / *CHAVE PARA FILTRO DE ÓLEO AUTORREGULÁVEL* / КЛЮЧ РАЗВОДНОЙ ДЛЯ МАСЛЕННОГО ФИЛЬТР САМОРЕГУЛИРУЮЩИЙСЯ

COD.	AF inch	CAP. (mm)	g	
51210	3/8	Ø 65-110	360	●



• Para más información de dimensiones y características del producto, consultar en el capítulo correspondiente del catálogo general o en www.egamaster.com. / *For more details about features and dimensions of the products, check the corresponding chapter of the General Catalogue or www.egamaster.com.* / Pour plus d'informations sur les dimensions et les caractéristiques du produit, consulter le chapitre correspondant de notre catalogue général ou sur www.egamaster.com.

EGA AUTO

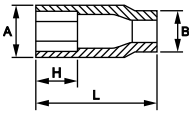
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COD.	AF inch	CAP. (mm)	N.°	g		
51244	1/2	Ø 89	12	200	●	NISSAN BIG M



BUJÍAS / *SPARK PLUGS* / BOUGIES / *ZÜNDKERZEN* / CANDELE / *VELAS DE IGNIÇÃO* / СВЕЧИ ЗАЖИГАНИЯ

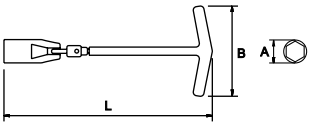
LLAVES DE VASO PARA BUJÍAS / *SPARK PLUG SOCKETS* / DOUILLES POUR BOUGIES / *ZÜNDKERZEN - STECKSCHLÜSSEL* / CHIAVI PER CANDELE / *CHAVES DE CAIXA PA VELAS* / ГОЛОВКИ ДЛЯ СВЕЧЕЙ ЗАЖИГАНИЯ



COD.	AF inch	AF mm	A (mm)	B (mm)	H (mm)	L (mm)	g		
61460	3/8	16	22	19	17	65	100	6	●
61461		21	28	22	20		150		
61462	1/2	16	22		14		100		
61463		21	28	24	16		150		



DE BUJÍA ARTICULADA / *SPARK PLUG WRENCH* / CLÉS À BOUGIE ART. / *ZÜNDKERZENSCHLÜSSEL* / CHIAVI PER CANDELE SNODABILE / *CHAVE ARTICULADA PARA VELAS* / СВЕЧНОЙ КЛЮЧ



COD.	L (mm)	AF inch	A (mm)	B (mm)	g		
61471	230	20-13/16	28	100	250	8	●

DIN 3112



ALICATE PARA CABLES DE BUJÍA / *SPARK PLUG LEAD PLIER* / PINCE POUR CÂBLE À BOUGIE / *ZÜNDKERZENSTECKER ZANGE* / PINZE PER CAVI CANDELE / *ALICATE PARA CABOS DE VELA* / ШИПЦЫ ДЛЯ ПРОВОДОВ СВЕЧЬ ЗАЖИГАНИЯ

COD.	CAP. (mm)	L (mm)	g	
51215	Ø 9	270	280	●



GALGAS DE ESPESORES / *FEELER GAUGE* / JAUGES D'EPAISSEUR / *FÜHLERLEHREFÄCHER* / GALGAS DE ESPESORES / *APALPA-FOLGAS* / НАБОР ЩУПОВ В КОРПУСЕ

COD.	N.° Hojas / *No. Blades* / Nro. Lames	Rango (mm) / *Range (mm)* / Rang (mm)	Rango (inch) / *Range (inch)* / Rang (inch)	L (mm)	g	
65550	8	0.05-0.1-0.15-0.2-0.25-0.3-0.4-0.5	0.002"-0.004"-0.006"-0.008"-0.010"-0.012"-0.016"-0.020"	150	80	6



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EGA AUTO

GALGAS DE ESPESORES DE PRECISIÓN / *PRECISION FEELER GAUGE* / JAUGES D'ÉPAISSEUR DE PRÉCISION / *PRÄZISION FÜHLERLEHREFÄCHER* / SPESSIMETRI DI PRECISIONE / *APALPA FOLGAS DE PRECISÃO* / СВЕРХТОЧНЫЕ ЩУПЫ В КОРПУСЕ

COD.	N.º Hojas / *No. Blades* / Nro. Lames	Rango (mm) / *Range (mm)* / Rang (mm)	Rango (inch) / *Range (inch)* / Rang (inch)	L (mm)	g	
65565	18	0.05-0.06-0.07-0.08-0.09-0.1-0.15-0.2-0.25-0.3-0.35-0.4-0.5-0.6-0.7-0.8-0.9-1.0	0.002"-0.0024"-0.0028"-0.0032"-0.0036"-0.004"-0.006"-0.008"-0.010"-0.012"-0.014"-0.016"-0.02"-0.024"-0.028"-0.032"-0.036"-0.04"	100	80	6

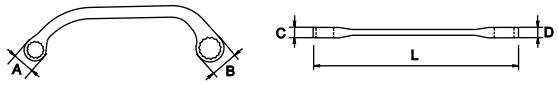


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci
Con tuerca de bloqueo / *With lock nut* / Avec écrou auto bloquant

MEDIA LUNA / *HALF MOON* / DEMI-LUNE / *STARTER BLOCKSCHLÜSSEL* / A MEZZALUNA / *MEIA-LUNA* / МОТОРНЫЙ КЛЮЧ

MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
57158	6-8	135	15	19	8	8	55	10	•	B
57155	7-9									
57159	8-10									
57156	10-12	150	20	22	9	9	90			
60795	11-13			23						
57160	13-15	175	25	28	10	10	110			
60796	13-17	185					120			
57161	14-16						160			
60797	14-17									
57162	17-19	210	28	31	11	11	180			
57157	18-20									
60798	19-22	230	31	35	12	12	280			
57163	21-22		32				300			

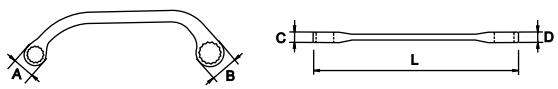


DIN 475

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
57148	1/4- 5/16	135	15	19	8,0	8,0	55	10	•	B
57149	5/16- 3/8									
57150	7/16- 1/2	155	20	23	9,0	9,0	90			
57151	9/16- 5/8	185	25	28	10	10	160			
57152	11/16- 3/4	210	28	31	11	11	210			
57153	13/16- 7/8	230	32	35	12	12	300			



DIN 475

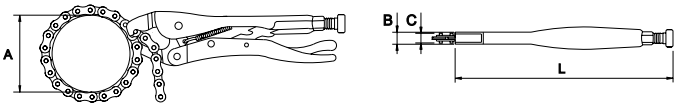
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

• Para más información de dimensiones y características del producto, consultar en el capítulo correspondiente del catálogo general o en www.egamaster.com. / *For more details about features and dimensions of the products, check the corresponding chapter of the General Catalogue or www.egamaster.com.* / Pour plus d'informations sur les dimensions et les caractéristiques du produit, consulter le chapitre correspondant de notre catalogue général ou sur www.egamaster.com.
B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale

EGA AUTO

TENAZA GRIP CON CADENA / *GRIP PLIER WITH CHAIN* / PINCE ÉTAU À CHAÎNE / *GRIPZANGE MIT KETTE* / PINZE A MORSETTO CON CATENA / *ALICATES DE GRIF COM CORRENTE* / КЛЕЩИ ДЛЯ СВАРКИ С ЦЕПНЫМ ЗАЖИМОМ



COD.	L (inch)	A (mm)	B (mm)	C (mm)	←L (inch)→	g	
62174	9	150	13	7,0	20	750	1
62601		215			27.1/2	850	



ELECTRICIDAD AUTO / *AUTO ELECTRICS* / ELECTRICITÉ AUTO / *AUTO ELEKTRIK* / ELETTRAUTO / *ELECTRICIDADE AUTO* / АВТО ЭЛЕКТРИКА

COMPROBADORES / *TESTERS* / CONTRÔLEURS / *TESTER* / TESTER / *COMPROVADORES* / ТЕСТЕРЫ

PINZA AMPERIMÉTRICA / *CLAMP METER* / PINCE AMPÈREMÉTRIQUE / *STROMZANGE* / PINZA APERIMETRICA / *PINÇA AMPERIMÉTRICA* / ИНДУКЦИОННЫЙ ИЗМЕРИТЕЛЬ

COD.	g	
51719	235	1

CE 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	600 V ±(1%+5)
DCV	600 V ±(0,8%+1)
DCA	400 A ±(2%+3)
ACA	400 A ±(2,5%+5)
Ω	40 MΩ ±(2%+2)
Hz	10Hz~60kHz ±(0.5%+2)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	●
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	3 V (2 x AAA)
Auto range	●
True RMS	●
Duty Cycle 0,1%-99,9%	●
Función Pico / *Peak Function* / Fonction de piquage	●
Display	4000
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51270 (CATI 1000V - CATII 600V)

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGA AUTO

MULTÍMETRO DIGITAL PARA AUTOMÓVILES / *AUTOMOTIVE DIGITAL MULTIMETER* / MULTIMÈTRE DIGITAL POUR AUTO / *AUTOMOTIVE DIGITALER MULTIMETER* / MULTIMETRO DIGITALE PER AUTOMOBILI / *MULTIMETRO DIGITAL AUTO* / АВТОМОБИЛЬНЫЙ ЦИФРОВОЙ МУЛЬТИМЕТР

COD.	g	
51260	655	1

CE 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	1000 V ±(0,8%+3)
DCV	1000 V ±(0,5%+3)
DCA	10 A ±(1%+2)
ACA	10 A ±(1,2%+5)
Ω	40 MΩ ±(1%+5)
°C	-40 °C-537 °C ±(1%+10)
°F	-40 °F-998 °F ±(1%+18)
Hz	1 MHz ±(0,1%+4)
Dwell	8 CyL ±(3%+5)
Tasch	8 CyL ±(3%+5)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	●
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22)
Auto range	●
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Display	3999
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51271 (CATIII 1000V - CATIV 600V)

CONECTORES Y FUSIBLES / *CONNECTORS AND FUSES* / CONNECTEURS ET FUSIBLES / *STECKER UND SICHERUNGEN* / CONNETTORI E FUSIBILI / *CONECTORES E FUSÍVEIS* / СОЕДИНИТЕЛИ И ПРЕДОХРАНИТЕЛИ

PARA UNIÓN DE CABLES AISLADOS Y NO AISLADOS / *FOR CABLE LINKS INSULATED & NO INSULATED* / POUR UNION DE CABLES ISOLES ET NON ISOLES / *FÜR ISOLIERTE UND NICHT ISOLIERTE KABELSCHUHE* / PER UNIRE CAVI ISOLATI E NON ISOLATI / *PARA UNIÃO DE CABOS ISOLADOS E NÃO ISOLADOS* / ДЛЯ ИЗОЛИРОВАННЫХ И НЕИЗОЛИРОВАННЫХ КОНТАКТОВ

COD.	L (mm)	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g			
62494	220	10-12-14-16-18-20-22	2,59-2,05-1,63-1,29-1,02-0,812-0,644	5,26-3,31-2,08-1,31-0,82-0,52-0,324	6-4-2,5-1,5-1-0,75-0,5	190	6	●	



PARA TERMINALES AISLADOS / *FOR INSULATED TERMINALS* / POUR TERMINAUX ISOLES / *FÜR ISOLIERTE KABELSCHUHE* / PER TERMINALI ISOLATI / *PARA TERMINAIS ISOLADOS* / ДЛЯ ИЗОЛИРОВАННЫХ КОНТАКТОВ

COD.	L (inch)	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g			
62591	9	22-10	0,644-2,59	0,324-5,26	0,5-6	550	6	●	



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12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGA AUTO

CORTABRIDAS / *PLASTIC TIE CUTTER* / PINCE COUPE COLLIERS PLASTIQUES / *KABELBINDER SCHNEIDER* / PINZA TAGLIA FASCETTE IN NYLON / *CORTA-ABRAÇADEIRA* / РЕЗАК ДЛЯ ПЛАСТИКОВЫХ ХОМУТОВ

COD.	L (mm)	g		
63915	150	100	6	●

RCD Nº 2029504 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Corta bridas sin dañar los cables / *It cuts the ties without damaging the cables* / Il coupe les colliers plastiques sans abîmer les cables



MOTOR / *ENGINE* / MOTEUR / *MOTOR* / MOTORE / *MOTOR* / ДВИГАТЕЛЬ

ABRAZADERA-MANGUITOS-JUNTAS / *CLIPS-HOSES-GASKETS* / COLLIER-DURITES-JOINTS / *KLEMMEN- SCHLÄUCHE-DICHTUNGEN* / CLIPS-TUBI-GUARNIZIONI / *ABRAÇADEIRA-CABOS-JUNTAS* / КЛИПЫ - ШЛАНГИ - ПРОКЛАДКИ

ALICATE PARA RACORES DE CARBURANTE / *FUEL LINE PLIER* / PINCE POUR RACCORDS DE CARBURANT / *BREMSSCHLAUCHZANGE* / PINZE PER RACCORDI CARBURANTE / *ALICATE PARA LIGAÇÕES RÁPIDAS DE TUBOS DE COMBUSTÍVEL* / ПЛОСКОГУБЦЫ ДЛЯ ТОПЛИВНЫХ ТРУБОПРОВОДНЫХ СОЕДИНЕНИЙ

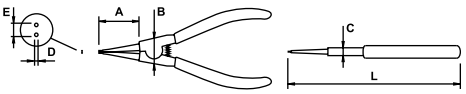
COD.	CAP. (mm)	L (mm)	g	
51216	Ø 8	120	75	●
51217	Ø 10			



ALICATES CIRCLIPS / *CIRCLIPS PLIERS* / PINCES POUR CIRCLIPS / *ZANGEN FÜR SICHERUNGSRINGE* / PINZE PER ANELLI / *ALICATES FREIOS* / СЪЕМНИК КОЛЕЦ

PAVONADO / *BLACK FINISHED* / BRUNIE / *BRÜNIERT* / BRUNITO / *BRUNIDO* / ЧЕРНЕННЫЕ

EXTERIOR RECTO / *EXTERNAL STRAIGHT* / EXTERIEUR DROIT / *AUSSENSICHERUNGSRINGE, GERADE* / DIRITTA PER ESTERNI / *EXTERIOR DIREITO* / НАРУЖНЫЕ ПРЯМЫЕ

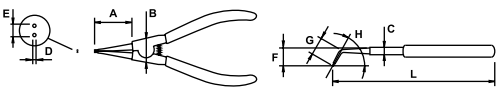


COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	O.D. mm	g		
62214	150	36	23	8,5	0,9	3,8	3-10	105	6	●
62215				9,5	1,2	4,5	10-25			
62183	175	43	25		1,8	5,5	19-60	140		
62216	230	55	29	11	2,4		40-100	280		
62217	320	75	37	13	3,1	9,0	85-200	470		-

DIN 5254



EXTERIOR CURVO / *EXTERNAL BENT* / EXTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATO PER ESTERNI / *EXTERIOR CURVO* / НАРУЖНИЕ ИЗОГНУТЫЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (°)	O.D. mm	g		
62218	140	30	22	8,5	0,9	4,5	14	15	50	3-10	105	6	●
62219	145				1,3	5,0	15			10-25			
62182	170	37	25	9,5	1,8	7,0	18	18		19-60	140		
62220	210		28	11	2,2		24	20	90	40-100	280		
62221	300	49	37	14	3,2	9,5	34	30		85-200	490		-

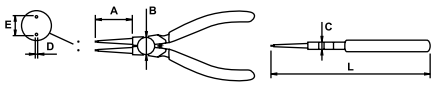
DIN 5254



NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EGA AUTO

INTERIOR RECTO / *INTERNAL STRAIGHT* / INTERIEUR DROIT / *INNENSICHERUNGSRINGE, GERADE* / DIRITTO PER INTERNI / *INTERIOR DIREITO* / ВНУТРЕННИЕ ПРЯМЫЕ

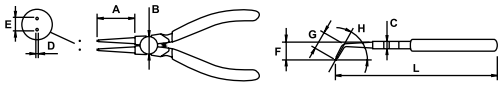


COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	O.D. mm	g		
62222	150	36	16	8,5	1,2	17	8-13	100	6	•
62223					1,3	19	12-25			
62181	175	44	18	9,5	1,8	21	19-60	145		
62224	230	50	24	11	2,2	75	40-100	270		-
62225	330	70	27	13	2,9	80	85-200	420		

DIN 5256



INTERIOR CURVO / *INTERNAL BENT* / INTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATTO PER INTERNI / *INTERIOR CURVO* / ВНУТРЕННИЕ ИЗОГНУТЫЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (°)	O.D. mm	g		
62226	150	28	16	9,0	1,3	15	16	15	50	8-13	100	6	•
62227						16				12-25			
62180	170	33	18	10,0	1,7		20	17		19-60	150		
62228	215	35	25	11	2,1	50	24	24	90	40-100	270		-
62229	300	48	28	13	3	75	33	33		85-200	420		

DIN 5256



ALICATE PARA DESMONTAR Y MONTAR ABRAZADERAS ELÁSTICAS AUTOBLOCANTES / *SPRING CLAMP FITTING AND REMOVAL PLIER* / PINCE POUR MONTER ET DÉMONTER DES COLLIERS ÉLASTIQUES AUTO-BLOQUANTS / *SCHLAUCHSCHELLENZANGE* / PINZA PER IL MONTAGGIO E LO SMONTAGGIO DELLE CLIPS ELASTICHE / *ALICATE PARA DESMONTAR E MONTAR ABRAÇADEIRAS ELÁSTICAS DE FECHO AUTOMÁTICO* / ЩИПЦЫ ДЛЯ МОНТИРОВАНИЯ И СНЯТИЯ ЭЛАСТИЧЕСКИХ СКОБ

COD.	CAP. (mm)	L (mm)	g	
51218	Ø 18-54	220	630	500	•



ALICATE AUTOMÁTICO PARA BRIDAS / *AUTOMATIC PLIERS FOR PLASTIC CABLE-TIES* / PINCE POUR COLLIERS PLASTIQUES AUTOMATIQUE / *KABELBINDERZANGE* / SPELAFILI AUTOMATICA / *ALICATE AUTOMÁTICO PARA ABRAÇADEIRAS PLÁSTICAS* / АВТОМАТИЧЕСКИЕ КУСАЧКИ ДЛЯ СВЯЗКИ ПЛАСТИКОВЫХ КАБЕЛЕЙ

COD.	L (mm)	mm	g	
62602	160	2,2-4,8	290	1



ALICATE PARA MANGUITOS / *HOSE CLAMP* / PINCE À DURITES / *ABKLEMMZANGE FÜR SCHLÄUCHE* / PINZE PER TUBI FLESSIBILI / *GRAMPOS PARA OCLUSÃO DE TUBOS* / КУСАЧКИ ДЛЯ ХОМУТОВ

COD.	CAP. (mm)	L (mm)	g	
51219	Ø 8-15	160	50	•
51220	Ø 15-28	185	80	
51221	Ø 25-55	250	85	

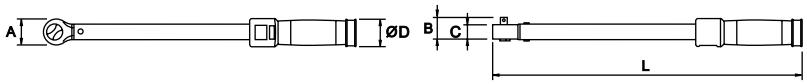


• Para más información de dimensiones y características del producto, consultar en el capítulo correspondiente del catálogo general o en www.egamaster.com. / *For more details about features and dimensions of the products, check the corresponding chapter of the General Catalogue or www.egamaster.com.* / Pour plus d'informations sur les dimensions et les caractéristiques du produit, consulter le chapitre correspondant de notre catalogue général ou sur www.egamaster.com.

EGA AUTO

APRIETE CONTROLADO / *CONTROLLED TIGHTENING* / SERRAGE CONTROLÉ / *KONTROLLIERTES ANZIEHEN* / COTROLLO DI SERRAGGIO / *APERTO CONTROLADO* / КОНТРОЛИРУЕМАЯ ЗАТЯЖКА

LLAVE DINAMOMÉTRICA REVERSIBLE ANALÓGICA / *ANALOGIC REVERSIBLE TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE ANALOGIQUE RÉVERSIBLE / *ANALOGE UMKEHRBARE DREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA ANALOGICA REVERSIBILE / *CHAVE DINAMOMÉTRICA REVERSÍVEL ANALÓGICA* / РЕВЕРСИВНЫЙ АНАЛОГОВЫЙ ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ





COD.	AF inch	N.m	Lb.ft	Lb.in	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
62951	1/4	2.5-12	-	20-105	290	28	30	19	38	0,8	1
62952		4-20		30-180							
65871		-		35-180	230						
62965	3/8	6-30		50-250	320	37	40	25		0,9	
65872		-		120-450	380	40	44			1,3	
62953		25-125	20-90	-	440	38	40				
57686	1/2	10-70	-	100-600			41			0,9	
62954		25-125	20-90	-			44			1,3	
65873		-	-	350-1800	520	40				1,4	
62963		40-200	30-150	-	460						
62968		65-335	50-250		520					1,5	
65918		-	-	1000-3000							
62983		80-400	60-300	-	750					1,9	
62969	3/4	160-800	120-600		1040	60	66	39		8,6	
62976	1	200-1000	150-750			72	82				
62977		300-1500	200-1100					40		12	
62978		400-2000	300-1500		1250					12,2	
62979		600-3000	400-2200							13,2	

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	3%
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Reversible / *Reversible* / Réversible	●
Dientes / *Teeth* / Dents	45
Estuche individual / *Individual case* / Étui individuel	●

BARRA DE EXTENSIÓN PARA LLAVE DINAMOMÉTRICA / *EXTENSION BAR FOR TORQUE WRENCH* / RALLONGE POUR CLÉ DYNAMOMÉTRIQUE / *VERLÄNGERUNG F/ DREHMOMENTSCHLÜSSEL* / BARRA ESTENSIBILE PER CHIAVE DINAMOMETRICA / *EXTENSÃO PARA CHAVE DINAMOMÉTRICA* / УДЛИНИТЕЛЬ ДЛЯ ДИНАМОМЕТРИЧЕСКОГО КЛЮЧА



COD.	L (mm)	O.D. mm	Válido para / *Valid for* / Valable pour	Kg	
56497	1100	38	62977, 62978, 56494, 56495	3,4	1
56498		40,5	62979, 56496	4,7	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

MULTIPLICADORES DE PAR DE PRECISIÓN / *PRECISION TORQUE MULTIPLIERS* / MULTIPLICATEURS DE COUPLE DE PRÉCISION / *PRÄZISION KRAFTVERVIELFÄLTIGER* / MOLTIPLICATORI DI COPPIA / *MULTIPLICADOR DE BINÁRIO DE PRECISÃO* / УСИЛИТЕЛЬ КРУТЯЩЕГО МОМЕНТА (МУЛЬТИПЛИКАТОР)

COD.	OUT (max.) N.m	OUT (max.) Lb.ft	Ratio neto / *Net ratio* / Ratio net	IN (max.) N.m	IN (max.) Lb.ft	IN (inch)	OUT (inch)		Kg
63850	1700	1250	4,5:1	378	279	1/2	3/4	62954, 62963, 62968	4,5
63857	6000	4500		1325	977	3/4	1 1/2	62969	15

12M



Ejemplo:
Para obtener un par de salida de 1800Nm, se debe introducir un par de entrada: Par de entrada= par de salida x ratio neto factor de multiplicación 1800 x 1/4.5 = 400Nm /

Example:
To obtain an output torque of 1800Nm, user should apply an input torque of: Input torque= output torque x net ratio multiplication factor 1800 x 1/4.5 = 400Nm

Exemple:
Pour obtenir un moment de sortie de 1800 NM, il faut introduire un moment d'entrée: Force d'entrée= force de sortie x ratio net facteur multiplicateur 1800 x 1/4.5 = 400Nm

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

DISPOSITIVO ANTIRRETORNO:
Los multiplicadores de par con una caja de engranajes de relación 22.5:1, disponen de un sistema antirretorno para eliminar la reacción originada en el apriete. Este dispositivo bloquea la tuerca, evitando que el multiplicador rebobine dado el alto ratio de multiplicación que soporta. Esto garantiza al usuario un uso cómodo, fácil y seguro. Todos los modelos disponen de una maleta para su protección y fácil transporte.

NON-RETURN SYSTEM:
Torque multipliers with a 22.5:1 relation gearbox, include a non-return system to avoid the reaction induced in the grip. This system locks up the nut, not allowing the torque multiplier to rewind, due to the high ratio level supported. These guarantees the user a safe, easy and comfortable use. All models have a special case in order to be well protected and easy to transport.

DISPOSITIF ANTI RETOUR:
Les multiplicateurs de couple ont une boîte d'engrenage de rapport 22.5:1, ils sont dotés d'un système anti-retour pour éliminer la réaction produite par le serrage. Ce dispositif bloque l'écrou, évitant que le multiplicateur rebobine à cause du haut ratio multiplicateur qu'il supporte. Ce qui confère à l'utilisateur une utilisation confortable, aisée et sûre. Tous les modèles sont présentés avec une malette pour leur protection et leur transport.

EGA Master
ART IN INNOVATION

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12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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EGA AUTO

PUNTAS ATORNILLADORAS CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHLÜSSELEINSATZ* / INSERTI A BUSSOLA / *PONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

1/4"

TORX®*



COD.		L (mm)	g		
66729	T-6	37	15	15	•
66730	T-7				
66748	T-8				
66749	T-9				
66750	T-10				
66751	T-15				
66752	T-20			10	
66753	T-25				
66754	T-27				
66755	T-30				
66756	T-40				

3/8"

TORX®*



COD.		L (mm)	g		
66788	T-10	48	35	10	•
66789	T-15				
66790	T-20				
66791	T-25				
66792	T-27				
66793	T-30				
58891	T-35				
66794	T-40				
66795	T-45				
66796	T-50				
53063	T-60				

LLAVES TORX®* / *TORX®* KEYS* / CLÉS TORX®* / *TORX®* INBUSSCHLÜSSEL* / CHIAVI TORX®* / *CHAVES TORX®** / КЛЮЧ TORX®*



COD.	PCS.	g	
65351	9	250	12

Composición / *Composition* / Composition	
65333, 65334, 65335, 65336, 65337, 65338, 65339, 65340, 65341	T10-T15-T20-T25-T27-T30-T40-T45-T50



COD.	PCS.	g	
65665	9	300	6

Composición / *Composition* / Composition	Descripción / *Description* / Description	
65342, 65343, 65344, 65345, 65346, 65347, 65348, 65349, 65350	Serie larga / *Long serie* / Série longue	T10-T15-T20-T25-T27-T30-T40-T45-T50

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EGA AUTO

LLAVES TAMPER TORX / *TAMPER TORX KEYS* / CLÉS TAMPER TORX / *TAMPER TORX INBUSSCHLÜSSEL* / CHIAVI TAMPER TORX / *CHAVES TAMPER TORX* / КЛЮЧ TAMPER TORX

COD.	PCS.	g	
65650	9	250	12

Composición / *Composition* / Composition	
56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554	TT10-TT15-TT20-TT25-TT27-TT30-TT40-TT45-TT50



COD.	PCS.	g	
56566	9	300	6

Composición / *Composition* / Composition	Descripción / *Description* / Description	
56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564	Serie larga / *Long serie* / *Série longue*	TT10-TT15-TT20-TT25-TT27-TT30-TT40-TT45-TT50



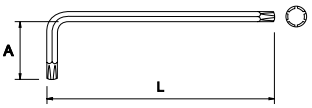
PUNTA RIBE®* CON VASO / *RIBE®* BIT SOCKETS* / POINTE RIBE®* AVEC DOUILLE / *RIBE®* SOCKETBIT* / CHIAVI A BUSSOLA PUNTA RIBE®* / *PONTEIRA RIBE®* COM CHAVE DE CAIXA* / ГОЛОВКА ТОРЦЕВАЯ СО ВСТАВКОЙ С ПРОФИЛЕМ RIBE®*

1/2"

COD.		L (mm)	g		
65985	M5	100	90	10	●
65986	M6				
65987	M7				
65988	M8		95		
65989	M9		100		
65990	M10		110		
65991	M12		150		
65992	M14		180		
65993	M16		200		



LLAVES RIBE®* / *RIBE®* WRENCHES* / CLÉS RIBES®* / *RIBE®* SCHLÜSSEL* / CHIAVE RIBE®* / *CHAVES RIBE®** / КЛЮЧИ RIBE®*



COD.		L (mm)	A (mm)	g		
65975	M4	145	22	16	10	●
65976	M5	150	24	26		
65977	M6	160	30	42		
65978	M7	175	32	80		
65979	M8	185	40	90		
65980	M10	220	55	150		



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- *Para tornillos RIBE® (Marca registrada por Richard Bergner Verbindungstechnik GmbH & Co. KG) / **For screws RIBE® (Richard Bergner Verbindungstechnik GmbH & Co. KG registered trademark)* / *Pour vis RIBE® (Marque enregistrée par Richard Bergner Verbindungstechnik GmbH & Co. KG)

EGA AUTO

COD.	PCS.	g		
69987	7	600	6	●

Composición / *Composition* / Composition	
65975, 65976, 65977, 65978, 65979, 65980	M4, M5, M6, M7, M8, M9, M10



PISTONES Y SEGMENTOS / *PISTONS AND PISTON RINGS* / PISTONS ET SEGMENTS / *KOLBEN UND KOLBENRINGE* / PISTONI E SEGMENTI / *PISTONS E SEGMENTOS* / ПОРШНИ И ПОРШНЕВЫЕ КОЛЬЦА

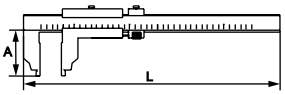
ABRAZADERA PARA PISTONES / *PISTON RING COMPRESSOR* / COLLIER POUR SEGMENTS DE PISTONS / *KOLBENRING-SPANNBAND* / MORSETTO PER INSERIMENTO PISTONI / *CINTA PARA SEGMENTOS* / ПРИСПОСОБЛЕНИЕ ДЛЯ СЖАТИЯ ПОРШНЕВЫХ КОЛЕЦ

COD.	CAP. (mm)	g	
51222	Ø 55-110	50	●
51223	Ø 100-160	80	



INSPECCIÓN / *INSPECTION* / CONTRÔLE / *INSPEKTION* / ISPEZIONI / *INSPECÇÃO* / ПРОВЕРКА

CALIBRE PIE DE REY CON BOCAS LARGAS / *LONG TIP VERNIER CALIPER* / PIED À COULISSE GRANDES OUVERTURES / *TIEFENMESSSCHIEBER* / CALIBRI A CORSOIO A BOCCA LARGA / *PAQUIMETRO COM PONTAS COMPRIDAS* / ШАНГЕНЦИРКУЛЬ СДЛИННОЙ ШКАЛОЙ



COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65483	200	0,02	8	0,001	65	350	920	1

INOX



FRENOS / *BRAKES* / FREINS / *BREMSEN* / FRENI / *TRAVÕES* / ТОРМОЗА

CEPILLO SOLDADURA CON MANGO DE PLÁSTICO / *PLASTIC HANDLE SOLDERING BRUSH* / BROSSE DE SOUDURE AVEC MANCHE PLASTIQUE / *LÖTBRÜSTE MIT KUNSTSTOFF GRIFF* / SPAZZOLE PER SALDATORI CON MANICO IN PLASTICA / *ESCOVA SOLDADURA COM CABO PLÁSTICO* / ЩЕТКА СВАРЩИКА С ПЛАСТИКОВОЙ РУЧКОЙ

COD.	N.º filas / *Rows* / Rangées	MAT.	L (mm)	g	
61579	4	Acero inoxidable / *Stainless steel* / Acier inoxydable	280	120	3



CORTATUBOS / *TUBE CUTTER* / COUPE-TUBES / *KUPFER ROHRABSCHNEIDER* / TAGLIATUBI / *CORTA TUBOS* / ТРУБОРЕЗ

SERIE INOX / *STAINLESS STEEL* / INOX / *EDELSTAHL* / ACCIAIO INOX / *AÇO INOXIDAVEL* / НЕРЖАВЕЮЩАЯ СТАЛЬ

MINI

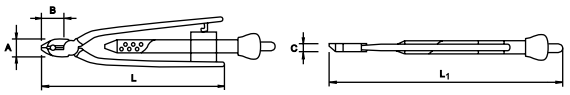
COD.		MAX mm	g				
63076	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-22	135	20	●	63113	20

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Reforzado / *Reinforced* / Renforcé



• *Para tornillos RIBE® (Marca registrada por Richard Bergner Verbindungstechnik GmbH & Co. KG) / **For screws RIBE® (Richard Bergner Verbindungstechnik GmbH & Co. KG registered trademark)* / *Pour vis RIBE® (Marque enregistrée par Richard Bergner Verbindungstechnik GmbH & Co. KG)

ALICATE TRENZADOR DE ALAMBRE / *WIRE TWIST PLIER* / PINCE À FREINER / *DRAHTWIRBELZANGE* / PINZA TORCIFILO / *ALICATE TORCEDOR DE ARAME* / КЛЕЩИ ДЛЯ ТРОСОВ

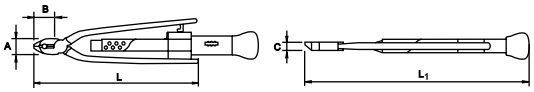


COD.	L (inch)	A (mm)	B (mm)	C (mm)	L1 (mm)	g		
62624	6	215	17	23	210	250	6	●
62625	9	270	21	29	270	380		



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Resistencia a la tracción / *Tensile strenght-break* / Résistance à la traction	75 kg/mm2: hasta 1,5 mm - 120 Kg/mm2: hasta 1 mm - 200 Kg/mm2: hasta 0, 5 mm alambre / *75 kg/mm2: up to 1.5 mm - 120 Kg/mm2: up to 1 mm - 200 Kg/mm2: up to 0, 5 mm wire* / 75 kg/mm2: jusqu'à 1.5 mm - 120 Kg/mm2: jusqu'à 1 mm - 200 Kg/mm2: jusqu'à 0, 5 mm fil de fer

REVERSIBLE / *REVERSIBLE* / RÉVERSIBLE / *UMSCHALTBAR* / REVERSIBILE / *REVERSÍVEL* / РЕВЕРСИВНЫЙ



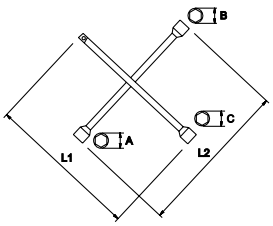
COD.	L (inch)	L1 (mm)	A (mm)	B (mm)	C (mm)	g		
62627	6"	235	17	23	10	330	6	●
62628	9"	285	21	29	12	450		



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Resistencia a la tracción / *Tensile strenght-break* / Résistance à la traction	75 kg/mm2: hasta 1,5 mm - 120 Kg/mm2: hasta 1 mm - 200 Kg/mm2: hasta 0, 5 mm alambre / *75 kg/mm2: up to 1.5 mm - 120 Kg/mm2: up to 1 mm - 200 Kg/mm2: up to 0, 5 mm wire* / 75 kg/mm2: jusqu'à 1.5 mm - 120 Kg/mm2: jusqu'à 1 mm - 200 Kg/mm2: jusqu'à 0, 5 mm fil de fer

RUEDAS / *WHEELS* / ROUES / *REIFEN* / RUOTE / *RODAS* / КОЛЕСА

EN CRUZ / *CROSS RIM WRENCH* / CLÉ EN CROIX / *KREUZSCHLÜSSEL* / CHIAVE A CROCE / *CHAVE DE CRUZETA* / КРЕСТООБРАЗНЫЙ БАЛОННЫЙ КЛЮЧ



COD.	AF mm	AF inch	L1 (mm)	L2 (mm)	A (mm)	B (mm)	C (mm)	g	
61475	17-19-22	1/2	350	350	28	26	31	1150	1

DIN 3119

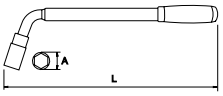


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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
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EGA AUTO

EXTENSIBLE PARA RUEDAS / *EXTENSIBLE WHEEL WRENCH* / CLÉS À ROUES EXTENSIBLE / *AUSZIEHBARER RADMUTTERNSCHLÜSSEL* / CHIAVE ESTENSIBILE PER RUOTE / *EXTENSÍVEL PARA RODAS* / РАЗДВИЖНОЙ БАЛОННЫЙ КЛЮЧ



COD.	AF mm	L (mm)	A (mm)	g	
61476	17-19	550	28	800	3

DIN 3112



ALICATE PARA CONTRAPESOS DE EQUILIBRADOR DE RUEDAS / *WHEEL WEIGHT PLIER* / PINCE À PLOMB D'ÉQUILIBRAGE DE ROUE / *REIFENDIENSTZANGE* / PINZE PER BILANCIATURA EQUILIBRATURA RUOTE / *ALICATE PARA CONTRAPESOS DE EQUILIBRAGEM DE RODAS* / ПЛОСКОГУБЦЫ ДЛЯ КОЛЕС

COD.	L (mm)	g	
51224	240	420	●

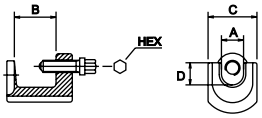


PALANCA PARA DESMONTAR NEUMÁTICOS / *TYRE-REMOVERS* / DÉMONTE PNEU / *REIFEN ENTFERNER* / PALANCHINO PER RIMUOVRE PNEUMATICI / *FERRO DE DESMONTA* / ЛОПАТКА ДЛЯ ДЕМОНТАЖА ПОКРЫШКИ

COD.	L (mm)	g	
51225	200 x 19	200	●
51226	300 x 25	500	
51227	400 x 25	650	
51228	600 x 25	800	

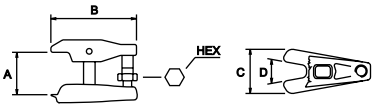


EXTRACTOR DE RÓTULAS / *BALL JOINT PULLER* / EXTRACTEUR DE ROULEMENTS / *KUGELGELENKABZIEHER* / ESTRATTORE A SFERE / *EXTRACTOR DE RÓTULAS* / СЪЕМНИК



COD.	mm	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
62831	18	19	55	44	21	0,8	1



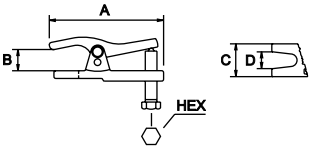


COD.	mm	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
62832	19	50	100	56	18-22	0,7	1



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

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COD.	mm	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
62833	24	160	12-50	47	20	1,2	1
62834	17		60-80			1,5	



HERRAMIENTA PARA SACAR GUARNICIONES / *SEAL PULLER* / **OUTILS POUR GARNITURES** / *DICHTUNG ENTFERNER* / **UTENSILE PER RIMUOVRE LE GUARNIZIONI** / *EXTRACTOR DE GUARNIÇÕES* / **СЪЁМНИК САЛЬНИКА**

COD.	L (mm)	g	
51229	325	330	●



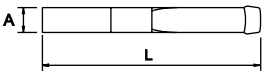
CARROCERÍA / *BODYWORK* / CARROSSERIE / *KAROSSERIE* / CARROZZERIA / *CARROÇARIA* / КУЗОВОСТРОЕНИЕ

RASQUETA PARA JUNTAS / *GASKET SCRAPER* / **GRATTOIR À JOINTS** / *DICHTUNGSSCHABER* / **RASCHIETTO PER GIUNTI** / *RASCADOR PARA JUNTAS* / **СКРЕБОК ДЛЯ УДАЛЕНИЯ ПРОКЛАДОК**

COD.	L (mm)	g		
67195	260	150	6	●



CINCEL CHAPISTA / *EXTRA FLAT COLD CHISEL* / **BURIN DE CARROSSIER** / *SCHLITZMEISSEL* / **SCALPELLO A FREDDO PIATTO** / *ESCOPRO FINO* / **СВЕРХ ПЛОСКОЕ ЗУБИЛО**



COD.	L (mm)	A (mm)	g		
63472	204	27	240	6	●



BROCA ESCALONADA / *STEP DRILL* / **MÈCHE ÉCHELONNÉE** / *SPIRALBOHRER* / **PUNTA SCANALATA** / *BROCA ESCALONADA* / **СТУПЕНЧАТОЕ СВЕРЛО**

COD.	O.D. mm	g		
64617	4-12	25		
64618	4-20	60	1	●
64619	4-30	180		



BE SAFE...BE EFFICIENT

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NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
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to the Management Quality

EGA AUTO

SET

3 PCS.

COD.	PCS.	g	
64620	3	300	1

PCS.	COD. PCS.	
1	64617	Ø 4-12 mm
	64618	Ø 4-20 mm
	64619	Ø 4-30 mm



ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

LINTERNA PARA INSPECCIÓN / *INSPECTION LAMP* / BALADEUSE / *INSPEKTIONSLEUCHTE* / TORCIA PER ISPEZIONE RICARICABILE / *LANTERNA PARA INSPECÇÃO* / ФОНАРИК ДЛЯ ОСМОТРА

COD.	LED	LUMENS	L (mm)	g
58646	COB	420	190	290

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Pilas / *Batteries* / Piles	3.7V/4400mAh (Li-Ion)
Estanqueidad / *Waterproof* / Étanchement	IPX 4
Gancho / *Hook* / Crochet	●
Imán / *Magnet* / Aimant	●
Carcasa / *Housing* / Carcasse	ABS
Luminosidad del led / *Led brightness* / Luminosité du led	42.000 MCD
Tiempo de carga (h. aprox.) / *Charging time (h. approx.)* / Temps de charge (h. approx.)	5
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	3
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Cargador / *Charger* / Chargeur	100-240 V/ 50-60 Hz / 12 V



FOCO LED / *LED HAND LAMP* / PROJECTEUR LED / *LED-HANDLEUCHTE* / RIFLETTORE A LED / *HOLOFOTE LED* / СВЕТОДИОДНЫЙ ПРОЖЕКТОР

COD.	LED	LUMENS	g
58642	COB	1100	750

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tiempo de carga (h. aprox.) / *Charging time (h. approx.)* / Temps de charge (h. approx.)	6
Posiciones de iluminación / *Lighting positions* / Positions d'illumination	Baja potencia y alta potencia / *Low power and high power* / Puissance faible et haute puissance
Carcasa / *Housing* / Carcasse	ABS y Aluminio / *ABS and Aluminum* / ABS et Aluminum
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	3
Cargador / *Charger* / Chargeur	100-240 V/ 50-60 Hz / 12 V



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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
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EGAAUTO

LUBRICACIÓN / *LUBRICATION* / LUBRIFICATION / *SCHMIERUNG* / LUBRIFICAZIONE / *LUBRIFICAÇÃO* / СМАЗКА

BOMBA DE ENGRASE A PALANCA / *LEVER-OPERATED GREASE GUN* / POMPE GRAISSEUR À LEVIER / *HEBELBETÄTIGTE FETTPISTOLE* / POMPA PER INGRASSAGGIO A LEVA / *BOMBA DE LUBRIFICAÇÃO A ALAVANCA* / ПЛУНЖЕРНЫЙ ШПРИЦ ДЛЯ СМАЗКИ

COD.	CAP.	L (mm)	Kg
57098	400 g	350	1,3



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	400 g
Uso con cartucho / *Use with cartridge* / Utilisation avec cartouche	●
Presión máx. de entrega / *Max. delivery pressure* / Pression de refoulement max.	410 bar / 6000 PSI
Grasa a granel / *Bulk grease* / Graisse en vrac	●

PISTOLA DE ENGRASE NEUMÁTICA / *PNEUMATIC GREASE GUN* / PISTOLET GRAISSEUR PNEUMATIQUE / *PNEUMATISCHE FETTPISTOLE* / PISTOLA LUBRIFICAZIONE PNEUMATICA / *PISTOLA DE LUBRIFICAÇÃO PNEUMÁTICA* / ПНЕВМАТИЧЕСКИЙ ШПРИЦ ДЛЯ СМАЗКИ

COD.	CAP.	L (mm)	Kg
57099	400 g / 450 g	370	1,4

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Uso con cartucho / *Use with cartridge* / Utilisation avec cartouche	●
Vibración / *Vibration* / Vibration	<2,5 m/s2
Nivel de presión sonoro / *Noise pressure level* / Niveau de pression sonore	74 dBA
Nivel de potencia sonora / *Noise power level* / Niveau de puissance sonore	85 dBA
Consumo medio de aire / *Air consumption* / Consommation d'air	28 LPM / 1 CFM
Longitud de la boquilla / *Nose length* / Longueur du tuyau	150 mm
Presión máx. de entrega / *Max. delivery pressure* / Pression de refoulement max.	410 bar / 6000 PSI
Presión de trabajo / *Working pressure* / Pression de travail	4,1-10,3 bar / 60-150 PSI
Entrada de aire / *Air inlet* / Entrée d'air	1/4"
Grasa a granel / *Bulk grease* / Graisse en vrac	●

EGAMaster
ART IN INNOVATION

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12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
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EGA AUTO

JUEGOS MECÁNICA / *SETS FOR MECHANICS* / SETS DE MÉCANICIENS / *WERKZEUG SETS FÜR MECHANIKER* / KIT MECCANICA / *JOGO DE MECÂNICA* / МЕХАНИЧЕСКИЕ НАБОРЫ

419 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68976	419	-	mm	-	125
68977		50950			220
55773		51074		●	550

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ISO 9001:2015
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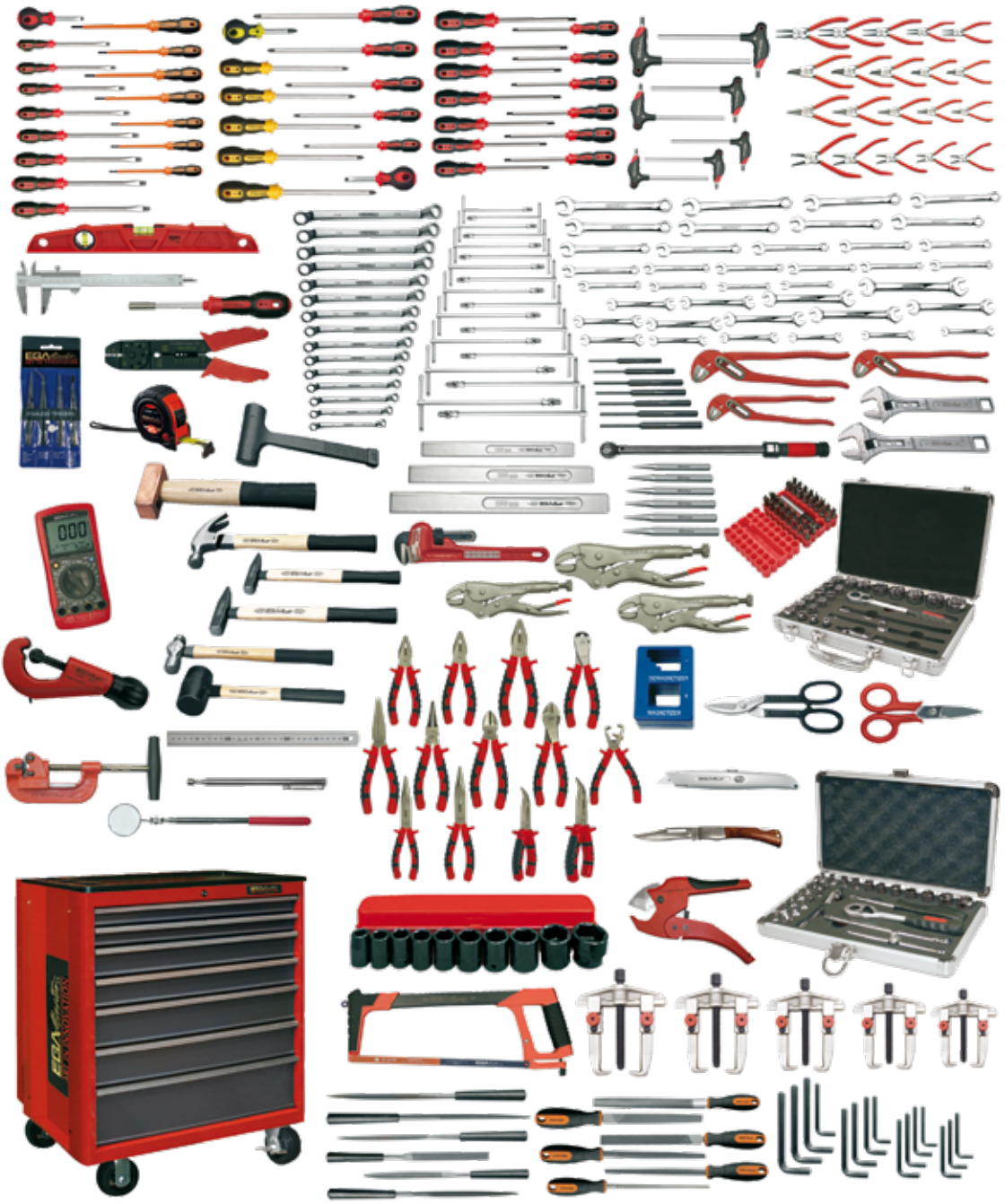
EGA AUTO

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
9	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 66525	Destornilladores mecánicos / *Slotted screwdrivers*	
7	76620, 76621, 76622, 76624, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	
6	66438, 66439, 66440, 66441, 66442, 66526	Destornilladores Phillips® / *Phillips® screwdrivers*	
	66456, 66457, 66458, 66459, 66460, 66527	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
13	66474, 66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	-
16	69870	Set reversible Mastergear / *Set rev. Mastergear*	
13	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831, 61832, 61833, 61834, 61835, 61836	Llaves de tubo doble boca / *Socket double ended wrenches*	
18	61840, 61841, 61842, 61843, 61844, 61845, 61846, 61847, 61848, 61849, 61850, 61851, 61852, 61853, 61854, 61855, 61856, 61858	Llaves articuladas en T / *T-handle wrenches with universal joint*	
32	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750, 60951, 60952, 60953, 60954, 60955, 60956	Llaves combinadas / *Combination wrenches*	
14	61701, 61702, 61703, 61704, 61705, 61706, 61700, 61707, 61708, 61709, 61710, 61711, 61712, 61713	Llaves fijas / *Open-end wrenches*	mm
16	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782, 61783, 61784, 61785, 61786, 61787, 61788, 61789, 61790	Llaves acodadas / *Double offset ring wrenches*	
25	61960	Juego / *Set*	
26	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886, 61887, 61888, 61889, 61890, 61891, 61892, 61893, 61894, 61895	Llaves de pipa / *Angled sockets*	1/2", mm, 26 pcs
23	65302, 65303, 65304, 65305, 65306, 65307, 65308, 65309, 65310, 65311, 65312, 65313, 65314, 61501, 61502, 61503, 61504, 61505, 61506, 61507, 61508, 61509, 61510	Llaves hexagonales / *Hexagonal keys*	mm
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
13	62331, 62332, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62344, 62345, 62349	Alicates / *Pliers*	-
3	62133, 62135, 62134	Tenazas de canal / *Box joint pincers*	
2	61112, 61114	Llaves ajustables / *Adjustable wrenches*	
5	62586, 62587, 62588, 62589, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
29	61958	Juego vasos / *Socket set*	1/4", mm
1	62963	Llave dinamométrica / *Torque wrench*	1/2" 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
1	65479	Calibre / *Caliper*	
	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
10	60693	Juego de vasos impacto / *Impact socket sets*	mm
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	62493	Alicate de terminales / *Crimping pliers*	
11	65089, 65090, 65091, 65092, 65093, 65095, 65096, 65098, 65099, 65100, 65102	Llaves de carraca para racores / *Ratcheting ring wrenches*	-
1	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetro / *Measuring tape*	3 m, mm/inch
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63119	Cortatubos cobre / *Cooper tube cutter*	42 mm
1	63172	Cortatubos acero / *Steel tube cutter*	2"
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
	69501	Cortador / *Cutter*	-
	51259	Multímetro digital para automóviles / *Automotive digital multimeter*	
	65388	Navaja / *Penknife*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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- 337 PCS.
- INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68978	337	-	inch	-	85
68979		50950			180
55774		51117, 51039		●	340

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
9	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 66525	Destornilladores mecánicos / *Slotted screwdrivers*	
7	76620, 76621, 76622, 76624, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	
5	66438, 66439, 66440, 66441, 66442, 66526	Destornilladores Phillips® / *Phillips® screwdrivers*	-
	66456, 66457, 66458, 66459, 66460, 66527	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
13	66474, 66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	
18	61840, 61841, 61842, 61843, 61844, 61845, 61846, 61847, 61848, 61849, 61850, 61851, 61852, 61853, 61854, 61855, 61856, 61858	Llaves articuladas en T / *T-handle wrenches with universal joint*	
23	60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356, 60357, 60358, 60957, 60958, 60959, 60960	Llaves combinadas / *Combination wrenches*	
15	60300, 60301, 60302, 60303, 60304, 60305, 60306, 60307, 60308, 60309, 60310, 60311, 60312, 60313, 60314	Llaves fijas / *Open-end wrenches*	inch
	60380, 60381, 60382, 60383, 60384, 60385, 60386, 60387, 60388, 60389, 60390, 60391, 60392, 60393, 60394	Llaves acodadas / *Double offset ring wrenches*	
25	61963	Llaves de vaso , extensiones, carraca, mango corredizo en T, articulación universal / *Socket wrenches, extensions, ratchet, T handle, universal joint*	1/2", exten. 5" - 10"
15	65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327, 65328, 65329	Llaves hexagonales / *Hexagonal keys*	inch
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
13	62331, 62332, 62333, 62337, 62338, 62339, 62340, 62341, 62342, 62343, 62344, 62345, 62349	Alicates / *Pliers*	-
3	62133, 62135, 62134	Tenazas de canal / *Box joint pincers*	
2	61112, 61114	Llaves ajustables / *Adjustable wrenches*	
5	62586, 62587, 62588, 62589, 62590	Extractores / *Gear pullers*	
1	63748	Arco de sierra / *Hack Saw*	
29	61961	Juego vasos / *Socket set*	1/4", inch
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
11	61267	Juego de vasos impacto / *Impact socket sets*	inch
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	62493	Alicate de terminales / *Crimping pliers*	-
	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetros / *Measuring tape*	3m/10′
6	63714, 63715, 63716, 63717, 63718, 63719	Limas de aguja / *Needle files*	
1	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63119	Cortatubos cobre / *Cooper tube cutter*	42 mm
	63172	Cortatubos acero / *Steel tube cutter*	2"
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
	69501	Cortador / *Cutter*	-
	51259	Multímetro digital para automóviles / *Automotive digital multimeter*	
	65388	Navaja / *Penknife*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098048
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EGA AUTO

- **228 PCS.**
- **MM**



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68980	228	-	mm	-	49
68981		51025			100
55775		57060		●	300

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229	Alicates Circlips / *Circlips pliers*	-
18	66400, 66401, 66403, 66407, 66408, 76621, 76622, 76624, 76625, 76626, 66439, 66440, 66441, 76629, 76630, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
13	66474, 66475, 66476, 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	
13	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831, 61832, 61833, 61834, 61835, 61836	Llaves de tubo doble boca / *Socket double ended wrenches*	
12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	Llaves combinadas / *Combination wrenches*	mm
8	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	Llaves fijas / *Open-end wrenches*	
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782	Llaves acodadas / *Double offset ring wrenches*	-
17	61796	Juego llaves vaso / *Socket wrench set*	1/2", mm
10	61503, 61504, 61505, 61506, 61508, 61509, 61510, 65307, 65308, 65310	Llaves hexagonales / *Hexagonal keys*	mm
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	-
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
6	62332, 62340, 62342, 62343, 62344, 62349	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	-
1	63748	Arco de sierra / *Hack Saw*	
	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
	62233	Tijera de chapa / *Tin snip*	-
	69534	Tijera electricista / *Electrician´s scissors*	
1	65479	Calibre / *Caliper*	
	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
10	60693	Juego de vasos impacto / *Impact socket sets*	mm
4	69529	Set 4 pinzas / *Set 4 tweezers*	
	62493	Alicate de terminales / *Crimping pliers*	-
	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetros / *Measuring tape*	3m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	
1	65586	Espejo articulado / *Joint telescopic mirror*	-
	65774	Regla / *Ruler*	300 mm
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
	69501	Cortador / *Cutter*	-
	65388	Navaja / *Penknife*	

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NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

216 PCS.

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68982	216	-	inch	-	47
68983		51025			95
55776		50977		●	300

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229	Alicates Circlips / *Circlips pliers*	
18	66400, 66401, 66403, 66407, 66408, 76621, 76622, 76624, 76625, 76626, 66439, 66440, 66441, 76629, 76630, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
13	66474, 66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484, 66485, 66486	Destornilladores Torx® / *Torx® screwdrivers*	-
7	66571, 66572, 66573, 66574, 66575, 66576, 66577	Destornilladores T-Mastertork / *T-Mastertork screwdrivers*	
12	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	
8	60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312	Llaves fijas / *Open-end wrenches*	
	60382, 60383, 60384, 60385, 60386, 60389, 60390, 60391	Llaves acodadas / *Double offset ring wrenches*	
17	61798	Juego llaves vaso / *Socket wrench set*	1/2", inch
10	65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327	Llaves hexagonales / *Hexagonal keys*	inch
7	63401, 63402, 63403, 63404, 63405, 63406, 63407	Botadores octogonales / *Octogonal punches*	
6	63435, 63436, 63437, 63438, 63439, 63440	Granetes hexagonales / *Hexagonal center punches*	
3	63178, 63179, 63180	Cortafríos / *Chisel*	
6	62332, 62340, 62342, 62343, 62344, 62349	Alicates / *Pliers*	-
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	63748	Arco de sierra / *Hack Saw*	-
	62963	Llave dinamométrica / *Torque wrench*	1/2", 40-200 nm
7	69619, 69622, 69614, 69750, 69742, 69729, 69521	Martillos / *Hammers*	-
33	66942	Juego puntas / *Bits set*	
1	61016	Llave HD / *HD Pipe wrench*	12"
3	62177, 62178, 62172	Tenazas Grip / *Grip pincers*	-
6	63498, 63534, 63570, 63606, 63642, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	69534	Tijera electricista / *Electrician´s scissors*	
	65479	Calibre / *Caliper*	
	65155	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	66731	Destornillador portapuntas magnético / *Screwdriver magnetic bitholder*	-
11	61267	Juego de vasos impacto / *Impact socket sets*	
4	69529	Set 4 pinzas / *Set 4 tweezers*	
1	62493	Alicate de terminales / *Crimping pliers*	
	69504	Magnetizador-desmagnetizador / *Magnetizer-demagnetizer*	
	65362	Flexómetros / *Measuring tape*	3m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	65586	Espejo articulado / *Joint telescopic mirror*	
	65774	Regla / *Ruler*	300 mm
	63205	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	-
	69501	Cortador / *Cutter*	
	65388	Navaja / *Penknife*	

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NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

- **109 PCS.**
- **MM**



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68984	109	-	mm	-	27
68985		51674			65
55777		51025		●	120

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	62214, 62215, 62216, 62217, 62222, 62223, 62224, 62225	Alicates Circlips / *Circlips pliers*	-
11	66400, 66401, 66403, 66407, 66408, 66439, 66440, 66441, 66457, 66458, 66459	Destornilladores mecánicos, Phillips®, Pozidriv® / *Slotted, Phillips®, Pozidriv® screwdrivers*	
10	66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484	Destornilladores Torx® / *Torx® screwdrivers*	
12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	Llaves combinadas / *Combination wrenches*	mm
8	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	Llaves fijas / *Open-end wrenches*	
	61775, 61776, 61777, 61778, 61779, 61780, 61781, 61782	Llaves acodadas / *Double offset ring wrenches*	-
17	61796	Juego llaves vaso / *Socket wrench set*	1/2", mm
10	61503, 61504, 61505, 61506, 61508, 61509, 61510, 65307, 65308, 65310	Llaves hexagonales / *Hexagonal keys*	mm
3	63402, 63404, 63406	Botadores / *Punches*	-
1	63179	Cortafríos / *Chisel*	
4	62332, 62343, 62344, 62349	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	-
1	62178	Tenazas Grip / *Grip pincers*	
3	63498, 63570, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	65362	Flexómetros / *Measuring tape*	3 m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	69501	Cortador / *Cutter*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

EGA AUTO

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
68986	109	-	inch	-	27
68987		51674			65
55778		51025		●	120

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	62214, 62215, 62216, 62217, 62222, 62223, 62224, 62225	Alicates Circlips / *Circlips pliers*	-
11	66400, 66401, 66403, 66407, 66408, 66439, 66440, 66441, 66457, 66458, 66459	Destornilladores mecánicos, Phillips®, Pozidriv® / *Slotted, Phillips®, Pozidriv® screwdrivers*	
10	66475, 66476. 66477, 66478, 66479, 66480, 66481, 66482, 66483, 66484	Destornilladores Torx® / *Torx® screwdrivers*	
12	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	inch
8	60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312	Llaves fijas / *Open-end wrenches*	
	60382, 60383, 60384, 60385, 60386, 60389, 60390, 60391	Llaves acodadas / *Double offset ring wrenches*	
17	61798	Juego llaves vaso / *Socket wrench set*	1/2", inch
10	65318, 65319, 65320, 65321, 65322, 65323, 65324, 65325, 65326, 65327	Llaves hexagonales / *Hexagonal keys*	-
3	63402, 63404, 63406	Botadores / *Punches*	
1	63179	Cortafríos / *Chisel*	
4	62332, 62343, 62344, 62349	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	62587, 62590	Extractores / *Gear pullers*	
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
4	69619, 69622, 69614, 69750	Martillos / *Hammers*	-
1	62178	Tenazas Grip / *Grip pincers*	
3	63498, 63570, 63678	Limas / *Files*	
1	62233	Tijera de chapa / *Tin snip*	
	65362	Flexómetros / *Measuring tape*	3 m/10'
	65595	Recogedor telescópico / *Telescopic joing pick up*	-
	69501	Cortador / *Cutter*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

- **57 PCS.**
- **INCH**



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
68990	57	-	inch	9
68991		51011		34

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62213	Alicates Circlips / *Circlips pliers*	-
11	66400, 66401, 66403, 66407, 66408, 66439, 66440, 66441, 66457, 66458, 66459	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	
12	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	Llaves combinadas / *Combination wrenches*	inch
17	61798	Juego llaves vaso / *Socket wrench set*	1/2", inch
7	65320, 65321, 65322, 65323, 65324, 65325, 65326	Llaves hexagonales / *Hexagonal keys*	inch
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
3	62332, 62343, 62344	Alicates / *Pliers*	-
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	
2	69622, 69614	Martillos / *Hammers*	
1	69534	Tijera electricista / *Electrician´s scissors*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

- **53 PCS.**
- **MM**



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
68988	53	-	mm	8
68989		51011		33

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	62213	Alicates Circlips / *Circlips pliers*	
7	66401, 66403, 66407, 66439, 66440, 66457, 66458	Destornilladores mecánicos, electricistas, Phillips®, Pozidriv® / *Slotted, electrician, Phillips®, Pozidriv® screwdrivers*	-
12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	Llaves combinadas / *Combination wrenches*	mm
17	61796	Juego llaves vaso / *Socket wrench set*	1/2", mm
7	61504, 61505, 61506, 61508, 61509, 61510, 65307	Llaves hexagonales / *Hexagonal keys*	mm
1	62963	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 40-200 nm
3	62332, 62343, 62344	Alicates / *Pliers*	
1	62135	Tenazas de canal / *Box joint pincers*	
	61112	Llave ajustable / *Adjustable wrench*	-
2	69622, 69614	Martillos / *Hammers*	
1	69534	Tijera electricista / *Electrician´s scissors*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

- **26 PCS.**
- **MM**



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
69538	26	51013	mm	4,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	61112	Llave ajustable Unique Plus Titacrom® / *Unique Plus Titacrom® Adjustable wrench*	10"
	62479	Alicate universal Mastercut / *Mastercut Combination pliers*	210 mm
	62499	Alicate telefonista Mastercut / *Mastercut Long nose pliers*	200 mm
	62343	Alicate corte diagonal / *Diagonal cutting plier*	160 mm
10	61496	Set Allen punta bola / *Long patern ballpoint Allen set*	-
1	66401	Destornilladores mecánicos / *Slotted screwdrivers*	4x100
	66403		5,5x125
	66405		6,5x150
	66406		8x150
	66439	Destornilladores Phillips® / *Phillips® screwdrivers*	PH1
	66440		PH2
	66457	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	PZ1
	66458		PZ2
	69613	Martillo de bola / *Ball pein hammer*	425 g
	63326	Cincel / *Flat chisel*	23x200
	63748	Arco de Sierra / *Hack Saw*	-
	62850	Cortafríos / *Chisel*	20x200

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

EGA AUTO

- **135 PCS.**
- **MM**



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
69396	135	51011	mm	60

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
25	61960	Juego / *Set*	1/2", 25 pcs
26	69280	Juego llaves combinadas / *Combination wrenches set*	26 pcs
	61870, 61871, 61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61884, 61885, 61886, 61887, 61888, 61889, 61890, 61891, 61892, 61893, 61894, 61895	Llaves de pipa / *Angled sockets*	6-32
10	61500	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6/8/10, hex.
1	61110	Llave ajustable Unique Plus / *Unique Plus adjustable wrench*	6"
	61935	Llave ajustable Alavesa Combi Unique Plus / *Basque Combi Unique Plus adjustable wrench*	12"
5	66877, 66878, 66879, 66881, 66882	Destornilladores mecánicos / *Slotted screwdrivers*	
3	66898, 66899, 66900	Destornilladores Phillips® Rotork / *Phillips® Rotork screwdrivers*	
	66908, 66909, 66910	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
	66921, 66923, 66926	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
1	62332	Alicate universal Titacrom® / *Titacrom® Combination pliers*	-
	62340	Alicate telefonista Titacrom® / *Titacrom® Long nose pliers pliers*	
	62342	Alicate telefonista b/curva / *Titacrom® bent nose pliers*	
	62344	Cortaalambres reforzado / *Heavy Duty cutting nippers*	
	62129	Tenaza canal / *Box joint plier*	
	62172	Tenaza Grip curva / *Curved Grip pliers*	
	62349	Alicate pelacables / *Wirestripper*	
	62216	Alicate Circlips exterior recto / *External straight Circlips pliers*	
	62220	Alicate Circlips exterior curvo / *External bent Circlips pliers*	
	62224	Alicate Circlips interior recto / *Internal straight Circlips pliers*	
	62228	Alicate Circlips interior curvo / *Internal bent Circlips pliers*	
	63748	Arco de sierra / *Hack Saw*	
10	64435	Hojas de sierra acero al carbono / *Carbon steel hacksaw blade*	24 dientes / *24 teeth*
1	69621	Martillo alemán / *German type machinist's hammer*	-
	69616	Martillo de bola / *Ball pein hammer*	
	55326	Martillo de nylon / *Nylon hammer*	
	61017	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"
	61035	Llave de cadena reversible / *Reversible chain pipe wrench*	-
	61480	Llave de correa / *Strap wrench*	
	63119	Cortatubos Unique / *Unique tube cutter*	
	68003	Abocinador / *Pulg flaring tool*	
	62151	Tenaza cortacables / *Cable cutters*	
	69501	Cortador / *Cutter*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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EGA AUTO

102 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
69398	102	51012	mm	17

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
25	61960	Juego / *Set*	1/2", 25 pcs
12	69795	Juego llaves fijas / *Open end wrenches set*	12 pcs
	69278	Juego llaves combinadas / *Combination wrenches set*	6/7/8/9/10/11/12/13/14/15/16/17
10	61500	Juego llaves Allen / *Allen keys wrenches Set*	1,5/2/2,5/3/4/5/5,5/6/8/10, hex.
2	61110, 61113	Llaves ajustables Unique / *Unique adjustable wrenches*	6"/12"
5	66877, 66878, 66879, 66881, 66882	Destornilladores mecánicos Rotork / *Rotork slotted screwdrivers*	
3	66898, 66899, 66900	Destornilladores Phillips® Rotork / *Phillips® Rotork screwdrivers*	
	66908, 66909, 66910	Destornilladores Pozidriv® Rotork / *Pozidriv® Rotork screwdrivers*	
	66921, 66923, 66926	Destornilladores Torx® Rotork / *Rotork Torx® screwdrivers*	
	66937, 66938, 66939	Destornilladores carroceros Rotork / *Rotork Stubby screwdrivers*	
1	62332	Alicate universal Titacrom® Bimat / *Titacrom® Bimat combination pliers*	-
	62337	Alicate b/plana Titacrom® Bimat / *Titacrom® Bimat flat nose pliers*	
	62338	Alicate b/redonda Titacrom® Bimat / *Titacrom® Bimat round nose pliers*	
	62341	Alicate telefonista b/curva Titacrom® Bimat / *Titacrom® Bimat bent nose pliers*	
	62343	Alicate c/diagonal Titacrom® Bimat / *Titacrom® Bimat cutting pliers*	
	62445	Tenaza Pico Loro Bimat / *Bimat groove joint*	
	62231	Tenaza Grip recta / *Straight grip pliers*	
	62183	Alicate Circlips exterior recto / *External straight Circlips pliers*	
	62182	Alicate Circlips exterior curvo / *External bent Circlips pliers*	
	62181	Alicate Circlips interior recto / *Internal straight Circlips pliers*	
	62180	Alicate Circlips interior curvo / *Internal bent Circlips pliers*	
	63748	Arco de sierra / *Hack Saw*	
10	64435	Hojas de sierra acero al carbono / *Carbon steel hacksaw blade*	24 TPI
1	69604	Martillo ebanista / *Joiners hammer*	-
	55326	Martillo de nylon / *Nylon hammer*	

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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EGA AUTO

JUEGOS PARA AUTOMOCIÓN / *AUTOMOBILE SETS* / SETS POUR AUTOMOBILE / *AUTOMOBIL-SETS* / KIT PER AUTOMOBILE / *JOGOS DE AUTOMOÇÃO* / НАБОР ДЛЯ АВТОМОБИЛЕЙ

196 PCS.

MM



COD.	PCS.			Medidas en / *Sizes in* / Mesures en	Kg
55584	196	-	-	mm	75
55585		51039			145
55586		57060	●		230

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
20	62214, 62215, 62216, 62217, 62218, 62219, 62220, 62221, 62222, 62223, 62224, 62225, 62226, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
4	51205, 51206, 51207, 51208	Llaves ajustables para filtro de aceite / *Adjustable oil filter wrenches*	
1	51209	Llave para filtro de aceite / *Oil filter cap wrench*	
	51210	Llave para filtro de aceite autorregulable / *Self-gripping oil filter wrench*	
2	61460, 61461	Llaves de vaso para bujías / *Spark plug socket*	
1	51215	Alicate para cables de bujía / *Spark plug lead plier*	-
	65565	Galgas de espesores de precisión / *Precision feeler gauger*	
	62174	Tenaza grip con cadena / *Grip plier with chain*	
	51719	Pinza amperimétrica / *Clamp Meter*	
	62494	Para unión de cables aislados y no aislados / *For cable links insulated and no insulated*	
	62591	Para terminales aislados / *For insulated terminals*	
2	51216, 51217	Alicate para racores de carburante / *Fuel line plier*	
1	51218	Alicate para desmontar y montar abrazaderas elásticas autoblocantes / *Spring clamp fitting and removal plier*	
	62602	Alicate automático para bridas / *Automatic pliers for plastic cable-ties*	
3	51219, 51220, 51221	Alicate para manguitos / *Hose clamp*	
9	66788, 66789, 66790, 66791, 66792, 66793, 66794, 66795, 66796	Puntas atornilladoras con vaso Torx® / *Torx® socket bits*	3/8"
2	51222, 512223	Abrazadera para segmentos con rueda / *Piston ring compressor*	-
1	65483	Calibre pie de rey con bocas largas / *Long tip Vernier Caliper*	
	63076	Cortatubos INOX / *INOX tube cutter*	
	63476	Extensible para ruedas / *Extensible wheel wrench*	
	51224	Alicate para contrapesos de equilibrador de ruedas / *Wheel weight plier*	
3	51225, 51226, 51227	Palanca para desmontar neumáticos / *Tyre-removers*	
4	62831, 62832, 62833, 62834	Extractor de rótulas / *Ball joint puller*	
1	51229	Herramienta para sacar guarniciones / *Seal puller*	
	51230	Herramienta para extracción de clips / *Fastener removal tool*	
	63472	Cincel chapista / *Extra flat cold chisel*	
9	66400, 66401, 66403, 66405, 66407, 66408, 66409, 66410, 66525	Destornilladores mecánicos / *Slotted screwdrivers*	
7	66438, 66439, 66440, 66441, 66442, 66526, 67192	Destornilladores Phillips® / *Phillips® screwdrivers*	
	76620, 76621, 76622, 76624, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	
5	66456, 66457, 66458, 66459, 66460	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
8	62331, 62333, 62337, 62338, 62343, 62344, 62345, 62349	Alicates / *Pliers*	
4	62587, 62588, 62589, 62590	Extractores / *Gear pullers*	
26	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750	Llaves combinadas / *Combination wrenches*	mm
14	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831, 61832, 61833, 61838, 61834, 61835, 61836	Llaves de tubo doble boca / *Socket double ended wrenches*	-
16	61615, 61616, 61617, 61618, 61619, 61620, 61621, 61622 61623, 61624, 67493, 67494, 67495, 67496, 67497, 67498	Llaves hexagonales / *Hexagonal keys*	mm
2	62177, 62172	Tenazas grip / *Grip pincers*	-
1	62134	Tenaza de canal / *Box joint*	
16	61959	Juego vasos / *Socket set*	3/8", mm
6	69614, 69521, 69729, 69752, 69619, 69621	Martillos / *Hammers*	-
1	65601	Recogedor telescópico y aguja de dibujar 2 en 1 / *Telescopic joint pick up and pocket scriber 2 in 1*	
	65587	Espejo articulado / *Joint telescopic mirror*	
	61112	Llave ajustable / *Adjustable wrench*	
4	63498, 63678, 63606, 63570	Limas / *Files*	
1	63204	Cortatubos plástico Piraina / *Piraina plastic pipe cutter*	
	63915	Cortabridas / *Plastic tie cutter*	

NATO OTAN
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Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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EGA AUTO

- 126 PCS.
- MM



COD.	PCS.			Medidas en / *Sizes in* / Mesures en	Kg
55587	126	-	-	mm	47
55588		51025			100
55589		50950	●		140

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

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PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	62215, 62216, 62217, 62219, 62220, 62221, 62223, 62224, 62225, 62227, 62228, 62229, 62180, 62181, 62182, 62183	Alicates Circlips / *Circlips pliers*	
4	51205, 51206, 51207, 51208	Llaves ajustables para filtro de aceite / *Adjustable oil filter wrenches*	
1	51209	Llave para filtro de aceite / *Oil filter cap wrench*	
	51210	Llave para filtro de aceite autorregulable / *Self-gripping oil filter wrench*	
2	61460, 61461	Llaves de vaso para bujías / *Spark plug socket*	
1	51215	Alicate para cables de bujía / *Spark plug lead plier*	-
	62174	Tenaza grip con cadena / *Grip plier with chain*	
	62494	Para unión de cables aislados y no aislados / *For cable links insulated and no insulated*	
	51217	Alicate para racores de carburante / *Fuel line plier*	
	51218	Alicate para desmontar y montar abrazaderas elásticas autoblocantes / *Spring clamp fitting and removal plier*	
	62602	Alicate automático para bridas / *Automatic pliers for plastic cable-ties*	
	51220	Alicate para manguitos / *Hose clamp*	
9	66788, 66789, 66790, 66791, 66792, 66793, 66794, 66795, 66796	Puntas atornilladoras con vaso Torx® / *Torx® socket bits*	3/8"
2	51222, 512223	Abrazadera para segmentos con rueda / *Piston ring compressor*	
1	63476	Extensible para ruedas / *Extensible wheel wrench*	
	51224	Alicate para contrapesos de equilibrador de ruedas / *Wheel weight plier*	
4	62831, 62832, 62833, 62834	Extractor de rótulas / *Ball joint puller*	
1	51229	Herramienta para sacar guarniciones / *Seal puller*	-
	51230	Herramienta para extracción de clips / *Fastener removal tool*	
	63472	Cincel chapista / *Extra flat cold chisel*	
5	66401, 66403, 66405, 66407, 66408	Destornilladores mecánicos / *Slotted screwdrivers*	
4	66439, 66440, 66441, 66442	Destornilladores Phillips® / *Phillips® screwdrivers*	
5	76621, 76622, 76624, 76625, 76626	Destornilladores electricistas / *Electrician screwdrivers*	1000V
3	66457, 66458, 66459	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
4	62332, 62343, 62345, 62349	Alicates / *Pliers*	-
3	62587, 62588, 62589	Extractores / *Gear pullers*	
13	61725, 61727, 61729, 61730, 61732, 61733, 61734, 61736, 61738, 61739, 61741, 61743, 61744	Llaves combinadas / *Combination wrenches*	mm
12	61618, 61619, 61620, 61621, 61622, 61623, 61624, 67493, 67494, 67495, 67496, 67497	Llaves hexagonales / *Hexagonal keys*	
1	62178	Tenaza grip / *Grip plier*	-
	62134	Tenaza de canal / *Box joint*	
16	61959	Juego vasos / *Socket set*	3/8", mm
4	69614, 69521, 69619, 69621	Martillos / *Hammers*	
1	65601	Recogedor telescópico y aguja de dibujar 2 en 1 / *Telescopic joint pick up and pocket scriber 2 in 1*	-
	65587	Espejo articulado / *Joint telescopic mirror*	
	61112	Llave ajustable / *Adjustable wrench*	
	51719	Pinza amperemétrica / *Clamp meter*	

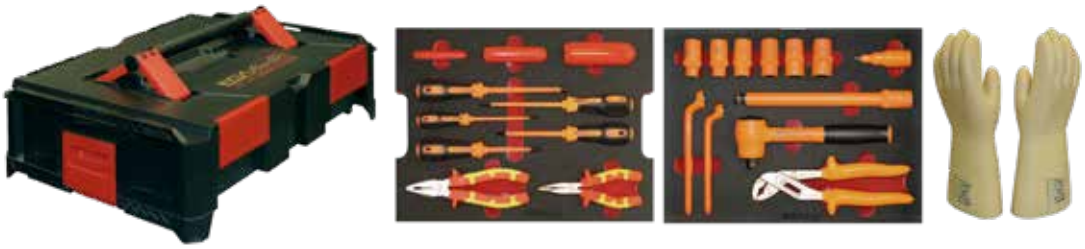
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EGA AUTO

SET DE MANTENIMIENTO DE COCHE ELÉCTRICO / HÍBRIDO / *HYBRID / ELECTRIC VEHICLE MAINTENANCE SET* / SET DE MAINTENANCE POUR VOITURE ÉLECTRIQUE / HIBRYDE / *WARTUNGSSATZ FÜR ELEKTRO- / HYBRIDFAHRZEUGE* / SET DI MANUTENZIONE VEICOLO ELETTRICO / IBRIDO / *JOGO DE MANUTENÇÃO PARA CARRO ELÉCTRICO / HÍBRIDO* / НАБОР ДЛЯ ТЕХНИЧЕСКОГО ОБСЛУЖИВАНИЯ ЭЛЕКТРИЧЕСКОГО И ГИБРИДНОГО АВТОМОБИЛЯ

23 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
72990	23	50994	mm	●	5,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	73683	Llave de carraca reversible 1/2" / *Reversible ratchet handle 1/2"*
2	73094, 73096	Llaves de estrella acodada / *Offset ring wrenches*
6	74960, 74962, 74965, 74966, 74969, 74971	Llaves de vaso 1/2" / *Socket wrenches 1/2"*
1	73455	Boquila hexagonal / *Hexagonal socket*
	73446	Alargadera 1/2" / *Extension 1/2"*
	73004	Tenaza de canal / *Box joint*
	76583	Alicate universal / *Combination pliers*
	76593	Alicate de telefonista / *Long nose pliers*
2	76738, 76629	Destornilladores Phillips® / *Phillips® screwdrivers*
3	76621, 76622, 76623	Destornilladores electricistas / *Electrician screwdrivers*
1	73555	Guantes aislantes / *Insulating gloves*
3	73287, 73288, 73289	Boquillas de autofijacion / *Self claping slip-on claps*

43 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
79365	43	50996	mm	●	21

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	73042	Cortabridas / *Plastic tie cutter*
	79058	Tijera aislada / *Insulating clamps*
	76616	Alicate de corte diagonal / *Electronic pliers*
2	76614, 76612	Alicate telefonista / *Long nose pliers*
1	73249	Grapa / *Clamp*
	73008	Tenaza corta cables / *Cable cutters*
3	76651, 76652, 76653	Destornilladores electricistas / *Electrician screwdrivers*
1	73040	Pinza / *Neat tip tweezer*
3	76659, 76660, 76661	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*
1	73041	Pinza 45ª / *Neat tip tweezer 45º*
2	73287, 73288	Boquilla de autofijacion / *Self clamping slip-on claps*
1	73035	Cuchillo recto / *Straight knife*
	73036	Cuchillo curvo / *Curved knife*
3	73251, 73252, 73253	Boquilla hexagonal / *Hexagonal socket*
2	79894, 79898	Punta atornilladora con vaso / *Socket bit*
1	73285	Adaptador / *Adapter*
11	73230, 73231, 73232, 73233, 73234, 73235, 73236, 73237, 73238, 73239, 73240	Llaves de vaso 1/4" / *Socket wrenches 1/4"*
5	75058, 75059, 75060, 75061, 75062	Llaves de vaso 1/4" serie larga / *Long series socket wrenches 1/4"*
1	73256	Extension con mango / *Extension with handle*
	79995	Llave dinamometrica 3/8" / *Torque wrench 3/8"*

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGA AUTO

55 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
79086	55	58597	mm	●	21

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	79799	Mantas aislantes / *Insulating blankets*	600x460
6	73249	Grapas / *Insulating clamps*	150 mm
1	73281	Alargadera 3/8" / *Extension 3/8"*	250mm
	75204	Alargadera 1/4" / *Extension 1/4"*	1/4"
	73285	Adaptador / *Adapter*	3/8" hembra-1/4" macho / *3/8" female-1/4" male*
7	73233, 73234, 73235, 73236, 73237, 73238, 73239	Llaves de vaso 1/4" / *1/4" Socket wrenches*	7,8,9,10,11,12,13 mm
6	74918, 74919, 74920, 74921, 74922, 74923	Llaves de vaso 3/8" / *3/8" Socket wrenches*	10,11,12,13,14,15 mm
3	79495, 79496, 79497	Punta con cuadrado guía 1/4" / *1/4" Socket bit*	T20,T25,T30
	73251, 73252, 73253	Boquilla hexagonal 1/4" / *1/4" Hexagonal socket*	4,5,6 mm
1	76593	Alicate telefonista boca curva / *Bent nose plier*	160mm
	76595	Alicate corte diagonal / *Diagonal cutting plier*	
	79993	Llave dinamométrica / *Torque Wrench*	1000V
	73004	Tenaza de canal 10" / *10" Box joint pincer*	-
	73008	Tenaza cortacables / *Cable cutters*	250mm
	73685	Carraca 3/8" / *3/8" Ratchet*	-
3	74712, 74713, 74714	Destornilladores punta hexagonal Allen / *Hexagonal Allen screwdrivers*	4,5,6mm
1	76657	Destornillador Phillips® / *Phillips® screwdriver*	PH2
3	76626, 76623, 76621	Destornilladores electricistas / *Electrician screwdrivers*	8x175, 3x100, 5,5x125
	75046, 75044, 75043	Destornilladores Tamper torx / *Tamper torx screwdrivers*	TT20,TT25,TT30
6	73288, 73289, 73287	Boquillas de autofijación / *Self clamping slip-on claps*	Ø10, Ø20, Ø30
1	51251	Multímetro / *Multimeter*	-

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
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EGA AUTO

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
38946	55	58597	inch	●	21

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	79799	Mantas aislantes / *Insulating blankets*	-
6	73249	Grapas / *Clamp*	
1	73281	Alargadera / *Extension*	3/8"
	75204		1/4"
	73285	Adaptador / *Adapter*	-
7	73370, 73371, 73372, 73373, 73374, 73375, 73376	Llaves de vaso / *Socket wrenches*	1/4"
6	74942, 74943, 74944, 74945, 74946, 74947		3/8"
3	79495, 79496, 79497	Punta con cuadrado guia / *Socket bit*	1/4"
	73251, 73252, 73253	Boquilla hexagonal / *Hexagonal socket*	
1	76593	Alicate telefonista boca curva / *Bent nose plier*	-
	76595	Alicate corte diagonal / *Diagonal cutting pliers*	
	79993	Llave dinamométrica / *Torque wrench*	1000V
	73004	Tenaza de canal / *Box joint*	10"
	73008	Tenaza cortacables / *Cable cutter*	-
	73685	Carraca / *Ratchet*	3/8"
3	75084, 75131, 75097	Destornilladores punta hexagonal Allen / *Hexagonal Allen bit screwdriver*	-
1	76657	Destornillador Phillips® / *Phillips® srewdriver*	
3	75069, 75066, 75064	Destornilladores electricistas / *Electrician screwdrivers*	
	75046, 75044, 75043	Destornilladores tamper torx / *Tamper torx screwdrivers*	
6	73288, 73289, 73287	Boquillas de autofijacion / *Self clamping slip-on clap*	
1	51251	Multimetro / *Multimeter*	

PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

شركة نواة للطاقة
Nawah Energy Company

NAWAH ENERGY COMPANY
CENTRAL NUCLEAR DE BARAKAH / BARAKAH NUCLEAR POWER PLANT / CENTRALE NUCLÉAIRE DE BARAKAH
EMIRATOS ÁRABES UNIDOS / UNITED ARAB EMIRATES / ÉMIRATS ARABES UNIS







16

MACHOS Y COJINETES
TAPS AND DIES
TARAUDS ET FILIÈRES
GEWINDEBOHRER UND SCHNEIDEISEN
MASCHI E FILIERE
MACHOS E CAÇONETES
МЕТЧИКИ И ГРЕБЕНКИ



EGA Master ha desarrollado una nueva gama de útiles de roscado (machos y cojinetes) que ofrecen una solución idónea en las tareas de reparación y mantenimiento industrial.

El diseño de estas herramientas se ha realizado con una geometría que asegura la calidad de las roscas obtenidas y mejora la extracción de la viruta. Este diseño cumple, además, con la normativa de referencia.

Los 4 filos de corte y los materiales empleados en la fabricación de los machos y cojinetes (acero rápido: HSS-M2 o HSS-Co) favorecen la duración de la herramienta y minimizan los tiempos de operación necesarios.

La gama de machos y cojinetes de roscar que ha diseñado **EGA Master** incluye todas las roscas de uso común en la industria:

- Rosca métrica, paso normal y fino
- Rosca BSW
- Roscas UNC y UNF
- Rosca GAS (BSP)
- Rosca NPT

EGA Master has developed a new range of threaded tools (taps and dies) that offer a suitable solution at industrial maintenance task and repair actions.

The design of these tools has been made with a geometry that ensures the quality of the threads obtained and improves the extraction of the chip. This design also complies with the reference standards.

The 4 cutting edges and the materials used in the manufacture of the taps and dies (HSS-M2 or HSS-Co steel) improve the tool life and minimize the required operating times.

*The range of taps and des that **EGA Master** has designed include all the threads commonly used in the industry:*

- *Metric thread, coarse and fine pitch*
- *BSW thread*
- *UNC and UNF threads*
- *GAS (BSP) thread*
- *NPT thread*





EGA Master a développé une nouvelle gamme d'outils de filetage (Tarauds et filières) qui offrent la solution idéale pour les tâches de réparation et de maintenance industrielle.

La conception de ces outils a été réalisée avec une géométrie qui garantit la qualité des filetages obtenus et facilite l'extraction de copeaux. Leur conception est de plus conforme à la norme de référence.

Les 4 arêtes de coupe et les matériaux utilisés dans la fabrication des tarauds et filières (acier rapide: HSS-M2 ou HSS-Co), améliorent la durée de vie de l'outil et réduisent le temps de travail nécessaire.

La gamme de tarauds et filières de filetage conçue par **EGA Master** regroupe tous les types de filetage d'usage régulier dans l'industrie:

- Filetage métrique, pas normal et fin
- Filetage BSW
- Filetage UNC et UNF
- Filetage GAS (BSP)
- Filetage NPT

SET DE 3 MACHOS DE ROSCAR MÉTRICA / *METRIC SET OF 3 TAPS* / SET DE 3 TARAUDS MÉTRIQUES / *SATZ 3 METRISCHE GEWINDEBOHRER* / KIT 3 PEZZI MASCHI PER FILETTARE METRICHE / *CONJUNTO DE 3 MACHOS DE ROSCAR MÉTRICOS* / НАБОР ИЗ ТРЕХ МЕТРИЧЕСКИХ МЕТЧИКОВ

COD.	METRIC	A (mm)	L1 (mm)	L (mm)	g		
57700	2 x 0,4	2,0	8,0	41	15	100	
57701	3 x 0,5	2,5	11	48			
57702	4 x 0,7	3,15	13	53	25		
57703	5 x 0,8	4,0	16	58	40	48	
57704	6 x 1	5,0	19	66	50		
57705	7 x 1	4,5					
57706	8 x 1,25	5,0	22	72	100	20	•
57707	9 x 1,25	5,6			140		
57708	10 x 1,5	6,3	24	80			
57709	11 x 1,5		25	85	150		
57710	12 x 1,75	7,1	29	89			
57711	14 x 2	9,0	30	95	235	10	
57712	16 x 2	10	32	102			
57713	18 x 2,5	11,2	37	112	470	5	
57714	20 x 2,5						
57715	22 x 2,5	12,5	38	118	670	3	
57716	24 x 3	14	45	130	835		



ISO 529

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Paso normal / *Coarse pitch* / Pas normal	

SET DE 2 MACHOS DE ROSCAR MÉTRICA / *METRIC SET OF 2 TAPS* / SET DE 2 TARAUDS MÉTRIQUES / *SATZ 2 METRISCHE GEWINDEBOHRER* / KIT 2 PEZZI MASCHI PER FILETTARE METRICHE / *CONJUNTO DE 2 MACHOS DE ROSCAR MÉTRICOS* / НАБОР ИЗ ДВУХ МЕТРИЧЕСКИХ МЕТЧИКОВ

COD.	METRIC	A (mm)	L1 (mm)	L (mm)	g		
57725	6 x 0,75	5,0	19	66	30	90	
57726	7 x 0,75	4,5			35	63	
57727	8 x 0,75	5,0					
57728	8 x 1		22	72			
57729	9 x 0,75	5,6	19	66	55	42	
57730	9 x 1		22	72			
57731	10 x 0,75	6,3	20	73			
57732	10 x 1		24	80			
57733	10 x 1,25						
57734	11 x 0,75						
57735	11 x 1		22		90	30	•
57736	11 x 1,25						
57737	12 x 0,75	7,1					
57738	12 x 1						
57739	12 x 1,25		29	89			
57740	12 x 1,5						
57741	14 x 1	9,0	22	87	135	20	
57742	14 x 1,25		30	95			
57743	14 x 1,5						
57744	16 x 1	10	22	92	150		
57745	16 x 1,5		32	102			
57746	18 x 1,5	11,2	37	112	250	10	
57747	18 x 2						
57748	20 x 1,5				270		
57749	22 x 1,5	12,5	38	118			
57750	24 x 2	14	45	130	400	5	



ISO 529

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-Co
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Paso fino / *Fine pitch* / Pas fin	

SET DE 3 MACHOS DE ROSCAR BSW / *BSW SET OF 3 TAPS* / SET DE 3 TARAUDS BSW / *BSW SATZ 3 METRISCHE GEWINDEBOHRER* / KIT 3 PEZZI MASCHI PER FILETTARE BSW / *CONJUNTO DE 3 MACHOS DE ROSCAR BSW* / НАБОР МЕТЧИКОВ СТАНДАРТА BSW (3 ШТ)

COD.	WITHWORTH	A (mm)	L1 (mm)	L (mm)	g		
57760	1/8" x 40	2,7	12	40	15	100	
57761	5/32" x 32	3,4	14	45			
57762	3/16" x 24	4,3			35	48	
57763	1/4" x 20	4,9	22	56	45		
57764	5/16" x 18				50		
57765	3/8" x 16	5,5	25	70	75		
57766	7/16" x 14	6,2	30	75	120	20	•
57767	1/2" x 12	7			135		
57768	9/16" x 12	9	32	80	190		
57769	5/8" x 11				220	10	
57770	3/4" x 10	11	40	95	500	5	
57771	7/8" x 9	14,5		100	670	3	
57772	1" x 8	16	50	110	725		

DIN 352



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

SET DE 3 MACHOS DE ROSCAR UNC / *UNC SET OF 3 TAPS* / SET DE 3 TARAUDS UNC / *UNC SATZ 3 METRISCHE GEWINDEBOHRER* / KIT 3 PEZZI MASCHI PER FILETTARE UNC / *CONJUNTO DE 3 MACHOS DE ROSCAR UNC* / НАБОР МЕТЧИКОВ СТАНДАРТА UNC (3 ШТ)

COD.	UNC	A (mm)	L1 (mm)	L (mm)	g		
57780	Nº 2 x 56	2,1	11	36	15	100	
57781	Nº 3 x 48						
57782	Nº 4 x 40		12	40			
57783	Nº 5 x 40	2,7					
57784	Nº 6 x 32	3,0	14	45			
57785	Nº 8 x 32	3,4					
57786	Nº 10 x 24	4,9	16	48	35	48	•
57787	Nº 12 x 24		18	50			
57788	1/4" x 20		22	56	45		
57789	5/16" x 18		25	63	50		
57790	3/8" x 16	5,5	28	70	75		
57791	7/16" x 14	6,2	30	75	115	20	
57792	1/2" x 13	7,0	32	80	135		
57793	9/16" x 12	9,0			190		
57794	5/8" x 11		36	90	220	10	
57795	3/4" x 10	11	40	95	500	5	
57796	7/8" x 9	14,5	45	110	335	6	
57797	1" x 8	16	50		360		

DIN 352 ANSI B1.1



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

SET DE 3 MACHOS DE ROSCAR UNF / *UNF SET OF 3 TAPS* / SET DE 3 TARAUDS UNF / *UNF SATZ 3 METRISCHE GEWINDEBOHRER* / KIT 3 PEZZI MASCHI PER FILETTARE UNF / *CONJUNTO DE 3 MACHOS DE ROSCAR UNF* / НАБОР МЕТЧИКОВ СТАНДАРТА UNF (3 ШТ)

COD.	UNF	A (mm)	L1 (mm)	L (mm)	g		
57800	Nº 2 x 64	2,1	10	32	30	90	
57801	Nº 3 x 56						
57802	Nº 4 x 48	2,7		36			
57803	Nº 5 x 44						
57804	Nº 6 x 40	3,0	12	40			
57805	Nº 8 x 36	3,4					
57806	Nº 10 x 32	4,9	14	45			
57807	Nº 12 x 28		16	50			
57808	1/4" x 28		18	56			•
57809	5/16" x 24				35	63	
57810	3/8" x 24	5,5		63	55	42	
57811	7/16" x 20	6,2					
57812	1/2" x 20	7,0	20		90	30	
57813	9/16" x 18	9,0		70	135	20	
57814	5/8" x 18				150		
57815	3/4" x 16	11	22	80	250	10	
57816	7/8" x 14	14,5			270		
57817	1" x 12	16		90	400	5	

DIN 2181 ANSI B1.1



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

SET DE 2 MACHOS DE ROSCAR GAS (BSP) / *GAS (BSP) SET OF 2 TAPS* / SET DE 2 TARAUDS GAS (BSP) / *SATZ 2 GEWINDEBOHRER GAS (BSP)* / KIT 2 PEZZI MASCHI PER FILETTARE GAS (BSP) / *CONJUNTO DE 2 MACHOS DE ROSCAR GAS (BSP)* / НАБОР МЕТЧИКОВ СТАНДАРТА BSP (2 ШТ)

COD.	GAS (BSP)	A (mm)	L1 (mm)	L (mm)	g		
57820	1/8" x 28	5,5	20	60	75	16	
57821	1/4" x 19	9,0		70	95		
57822	3/8" x 19				135		•
57823	1/2" x 14	12	22	80	265	7	
57824	3/4" x 14	16		90	475		
57825	1" x 11	20	25	100	835	4	

DIN 5157

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2



MACHOS DE ROSCAR NPT / *NPT TAPS* / TARAUDS NPT / *GEWINDEBOHRER NPT* / MASCHI A MANO PER FILETTARE NPT / *MACHOS DE ROSCAR NPT* / МЕТЧИКИ СТАНДАРТА NPT

COD.	NPT	A (mm)	L1 (mm)	L (mm)	g		
57751	1/8" x 27	6	19	54	25	60	
57752	1/4" x 18	9	27	62	35		
57753	3/8" x 18	11		65	65	36	
57754	1/2" x 14	14	35	80	135	15	
57755	3/4" x 14	18		83	230	8	●
57756	1" x 11,5	22	44	95	420		
57757	1.1/4" x 11,5	24	33	125	750	4	
57758	1.1/2" x 11,5	29		140	1000		
57759	2" x 11,5	35		160	1100	1	

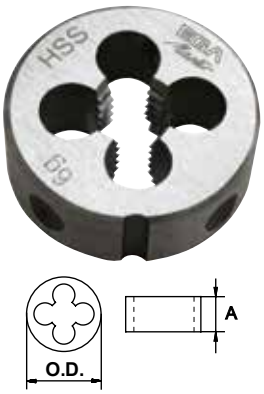
DIN 233



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

COJINETES ROSCA MÉTRICA / *ROUND METRIC THREAD DIES* / FILIÈRES METRIQUE / *SCHNEIDEISEN METRISCH* / FILIERE TONDE METRICA / *CAÇONETES ROSCA MÉTRICA* / ПЛАШКИ РЕЗЬБОНАРЕЗНЫЕ МЕТРИЧЕСКИЕ

COD.	METRIC	A (mm)	O.D. mm	g		
57845	2 x 0,4	5	16	15	105	
57846	3 x 0,5		20	20		
57847	4 x 0,7					
57848	5 x 0,8	7		25		
57849	6 x 1					
57850	7 x 1	9	25	30		
57851	8 x 1,25					
57852	9 x 1,25					
57853	10 x 1,5		30	55		
57854	11 x 1,5	11				
57856	12 x 1,75	14	38	85	30	
57858	14 x 2					
57859	16 x 2	18	45	180		
57860	18 x 2,5					
57861	20 x 2,5					
57864	22 x 2,5	22	55	220	11	
57865	24 x 3					
57866	6 x 0,75	7	20	25	105	●
57867	7 x 0,75	9	25	30		
57868	8 x 0,75					
57869	8 x 1					
57870	9 x 0,75					
57871	9 x 1					
57872	10 x 0,75	11	30	55	30	
57873	10 x 1					
57874	10 x 1,25					
57875	11 x 0,75					
57876	11 x 1					
57879	12 x 1	10	38	75		
57880	12 x 1,25					
57881	12 x 1,5					
57882	14 x 1					
57883	14 x 1,25					
57884	14 x 1,5					
57885	16 x 1	14	45	150		
57886	16 x 1,5					
57887	18 x 1,5					
57889	18 x 2				11	
57890	20 x 1,5					



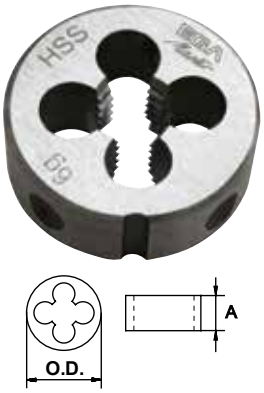
COD.	METRIC	A (mm)	O.D. mm	g		
57891	22 x 1,5	16	55	200	11	●
57892	24 x 1,5					
57893	24 x 2					

DIN 223 EN 22568

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

COJINETES ROSCA BSW / *ROUND BSW THREAD DIES* / FILIÈRES BSW / *SCHNEIDEISEN BSW* / FILIERE TONDE BSW / *CAÇONETES ROSCA BSW* / ПЛАШКИ СТАНДАРТА BSW

COD.	WITHWORTH	A (mm)	O.D. mm	g		
57900	BSW 1/8" x 40	5	20	20	105	●
57901	BSW 5/32" x 32					
57902	BSW 3/16" x 24	7		25		
57903	BSW 1/4" x 20					
57904	BSW 5/16" x 18	9	25	30		
57905	BSW 3/8" x 16	11	30	55	30	
57906	BSW 7/16" x 14					
57907	BSW 1/2" x 12	14	38	85		
57908	BSW 9/16" x 12					
57909	BSW 5/8" x 11	18	45	180	11	
57910	BSW 3/4" x 10					
57911	BSW 7/8" x 9	22	55	220		
57912	BSW 1" x 8					

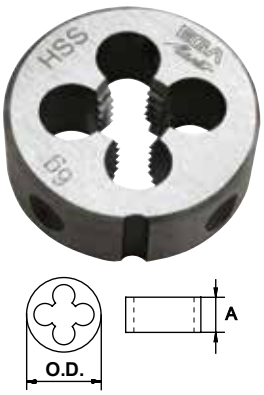


DIN 223 EN 22568

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

COJINETES ROSCA UNC / *ROUND UNC THREAD DIES* / FILIÈRES UNC / *SCHNEIDEISEN UNC* / FILIERE TONDE UNC / *CAÇONETES ROSCA UNC* / ПЛАШКИ СТАНДАРТА UNC

COD.	UNC	A (mm)	O.D. mm	g		
57920	Nº 2 x 56	5	16	15	216	●
57921	Nº 3 x 48					
57922	Nº 4 x 40		20	20		
57923	Nº 5 x 40					
57924	Nº 6 x 32					
57925	Nº 8 x 32					
57926	Nº 10 x 24	7		25		
57927	Nº 12 x 24					
57928	1/4" x 20					
57929	5/16" x 18	9	25	30	105	
57930	3/8" x 16	11	30	55	30	
57931	7/16" x 14					
57932	1/2" x 13	14	38	85		
57933	9/16" x 12					
57934	5/8" x 11	18	45	180	11	
57935	3/4" x 10					
57936	7/8" x 9	22	55	220		
57937	1" x 8					



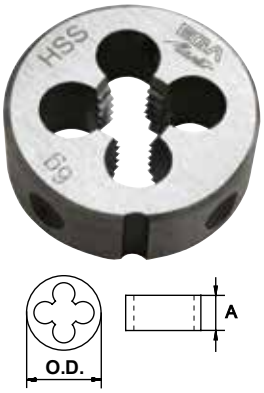
DIN 223 EN 22568

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

COJINETES ROSCA UNF / *ROUND UNF THREAD DIES* / FILIÈRES UNF / *SCHNEIDEISEN UNF* / FILIERE TONDE UNF / *CAÇONETES ROSCA UNF* / ПЛАШКИ СТАНДАРТА UNF

COD.	UNF	A (mm)	O.D. mm	g		
57940	Nº 2 x 64	5	16	15	216	
57941	Nº 3 x 56					
57942	Nº 4 x 48					
57943	Nº 5 x 44			20		
57944	Nº 6 x 40					
57945	Nº 8 x 36		20			
57946	Nº 10 x 32	7				
57947	Nº 12 x 28			25		
57948	1/4" x 28					
57949	5/16" x 24	9	25	30	105	•
57950	3/8" x 24	11	30	55	30	
57951	7/16" x 20					
57952	1/2" x 20	14	38	85		
57953	9/16" x 18					
57954	5/8" x 18	18	45	180	11	
57955	3/4" x 16					
57956	7/8" x 14	22	55	220		
57957	1" x 12					

DIN 223 EN 22568

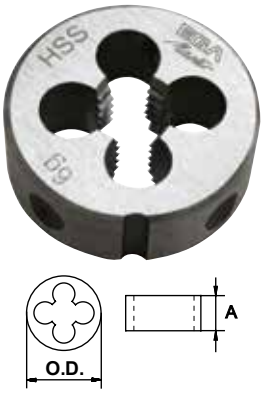


ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

COJINETES ROSCA GAS (BSP) / *ROUND GAS BSP THREAD DIES* / FILIÈRES GAS (BSP) / *SCHNEIDEISEN GAS (BSP)* / FILIERE TONDE GAS (BSP) / *CAÇONETES ROSCA GAS (BSP)* / ПЛАШКИ СТАНДАРТА BSP

COD.	GAS (BSP)	A (mm)	O.D. mm	g		
57960	1/8" x 28	11	30	55	30	
57961	1/4" x 19	10	38	75		
57962	3/8" x 19	14	45	150		•
57963	1/2" x 14					
57964	3/4" x 14	16	55	200	11	
57965	1" x 11	18	65	275		

DIN 5158

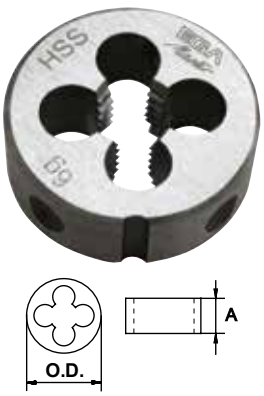


ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

COJINETES ROSCA NPT / *ROUND NPT THREAD DIES* / FILIÈRES NPT / *SCHNEIDEISEN NPT* / FILIERE TONDE NPT / *CAÇONETES ROSCA NPT* / ПЛАШКИ СТАНДАРТА NPT

COD.	NPT	A (mm)	O.D. mm	g		
57897	1/8" x 27	10	38	75	20	
57898	1/4" x 18	15		90		
57913	3/8" x 18		45	160		
57914	1/2" x 14	20		175		
57915	3/4" x 14	22	55	220	8	•
57916	1" x 11.5	25	65	325		
57917	1.1/4" x 11.5		75	400	4	
57918	1.1/2" x 11.5	26	90	550		
57919	2" x 11.5		105	650	1	

DIN 233

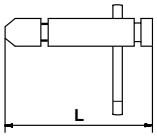


ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS-M2

GIRAMACHOS DE CARRACA REVERSIBLE / *REVERSIBLE TAP WRENCH* / PORTE TARAUD RÉVERSIBLE À CLIQUET / *KNARRE FÜR GEWINDEBOHRER* / GIRAMASCHI CON CRICCO REVERSIBILE / *DESANDADOR DE MACHOS COM ROQUETE* / РЕВЕРСИВНЫЙ КЛЮЧ ДЛЯ МЕТЧИКОВ

COD.	METRIC	WITHWORTH	GAS (BSP)	L (mm)	g		
57830	M3-M10	1/8"-3/8"	-	85	190	20	
57831	M5-M12	7/32"-1/2"	1/8"	100	290	14	•
57832	M3-M10	1/8"-3/8"	-	250	250	10	
57833	M5-M12	7/32"-1/2"	1/8"	300	445		



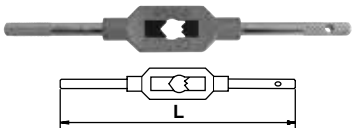


ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	Acero / *Steel* / Acier

GIRAMACHOS AJUSTABLE / *ADJUSTABLE TAP WRENCH* / PORTE TARAUD REGLABLE / *VERSTELLBARE WINDEISEN* / GIRAMASCHI REGOLABILE / *DESANDADOR DE MACHOS AJUSTÁVEL* / КЛЮЧ ДЛЯ МЕТЧИКОВ

COD.	METRIC	WITHWORTH	GAS (BSP)	NPT	AF mm	L (mm)	g		
57835	M1-M8	1/16"-5/16"	-	-	2-5	125	55	20	
57836	M1-M10	1/8"-3/8"			2-6	180	95	12	
57837	M3-M12	1/8"-1/2"	1/8"	1/8"	2-7	200		10	
57838	M4-M12	3/16"-5/8"	1/8"-3/8"		3-7	280	280		
57839	M5-M20	1/4"-3/4"	1/8"-1/2"	1/8"-3/8"	4-11	375	650	6	•
57840	M9-M27	1/2"-1"	1/8"-3/4"	1/8"-1/2"	5-14	500			
57841	M13-M32	5/8"-1.1/4"	1/4"-1"	1/4"-3/4"	5-18	750	900	4	
57842				1/4"-1"	9-24	1000	1000		
57843	-	-	-	1/2"-1.1/2"	14-29	1250	1100		
57844				1/2"-2"	14-35	1500	1200		

DIN 1814

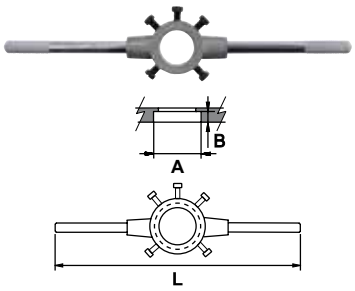


ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	Acero + Zamak / *Steel + Zamak* / Acier + Zamak

PORTACOJINETES / *DIE HOLDER* / PORTE-FILIÈRE / *SCHNEIDEISENHALTER* / PORTAFILIERE / *PORTA CAÇONETES* / ПЛАШКОДЕРЖАТЕЛЬ

COD.	METRIC	WITHWORTH	GAS (BSP)	A (mm)	B (mm)	L (mm)	g		
57970	M1-M2,6	1/16"-3/32"	-	16	5	160	50	20	
57971	M3-M4	1/8"-5/32"		20		200	85		
57972	M4,5-M6	3/16"-1/4"			7				
57973	M7-M9	5/16"	1/16"	25	9	225	115	12	
57974	M10-M11	3/8"-7/16"	1/8"	30	11	280	220		
57975	MF12-MF14	-	1/4"	38	10	315	325	6	
57976	M12-M14	1/2"-9/16"	-		14				
57977	MF16-MF20	-	3/8"-1/2"	45		450	415		•
57978	M16-M20	5/8"-3/4"	-		18				
57979	MF21-MF26	-	5/8"-3/4"	55	16	560	500	4	
57980	M22-M24	7/8"-1"	-		22				
57981	MF27-MF36	-	7/8"-1"	65	18	630	600	2	
57966	M27-M26	1.1/8"-1.3/8"	-		25				
57967	M39-M42	1.1/2"-1.5/8"		75	30	800	725	1	
57968	M45-M52	1.3/4"-2"		90	36	900	800		
57969	M55-M62	-	1.3/4"-2"	105	22	1000	850		

DIN 225 ISO 22568



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	Acero + Zamak / *Steel + Zamak* / Acier + Zamak

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

KITS DE ROSCADO / *THREADING KITS* / KIT DE FILETAGE / *SCHNEIDSÄTZE* / KIT DI FILIERE / *CONJUNTOS DE ROSCAGEM* / КОМПЛЕКТЫ ДЛЯ НАРЕЗАНИЯ РЕЗЬБЫ



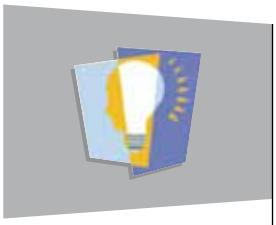
COD.		COD. PCS.		COD. PCS.		COD. PCS.		COD. PCS.	g
57690			-	-	-	-	-	-	800
57691	M3-M4-M5-M6-M8-M10-M12	57701, 57702, 57703, 57704, 57706, 57708, 57710	M3-M4-M5-M6-M8-M10-M12	57846, 57847, 57848, 57849, 57851, 57853, 57856	M3-M12+G	57837	25 x 9	57973	1600
57692	M6-M8-M10-M11-M12	57704, 57706, 57708, 57709, 57710	M6-M8-M10-M11-M12	57849, 57851, 57853, 57854, 57856	M4-M12+G	57838	25 x 9; 30 x 11; 38 x 14	57973, 57974, 57976	2000
57693	M6-M8-M10-M12-M14-M16-M18	57704, 57706, 57708, 57710, 57711, 57712, 57713	M6-M8-M10-M12-M14-M16-M18	57849, 57851, 57853, 57856, 57858, 57859, 57860	M3-M12 + G; M5-M20 + G	57837, 57839	25 x 9; 38 x 14; 45 x 18	57973, 57976, 57978	5600
57694	BSW 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	57760, 57762, 57763, 57764, 57765, 57766, 57767	BSW 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	57900, 57902, 57903, 57904, 57905, 57906, 57907	M3-M10; M4-M12 + G; M3-M10 REV.	57836, 57838, 57830	30 x 11; 38 x 14	57974, 57976	4400
57695	UNC 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4"	57788, 57789, 57790, 57791, 57792, 57794, 57795	UNC 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4"	57928, 57929, 57930, 57931, 57932, 57934, 57935	M1-M10; M4-M12 + G	57836, 57838	20 x 7; 25 x 9; 30 x 11; 38 x 14; 45 x 18	57972, 57973, 57974, 57976, 57978	8000
57696	UNF 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4"	57808, 57809, 57810, 57811, 57812, 57814, 57815	UNF 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4"	57948, 57949, 57950, 57951, 57952, 57954, 57955	M1-M10; M5-M20 + G	57836, 57839	20 x 7; 25 x 9; 30 x 11; 38 x 10; 45 x 14	57972, 57973, 57974, 57975, 57977	
57697	GAS (BSP) 1/8", 1/4", 3/8", 1/2", 3/4", 1"	57820, 57821, 57822, 57823, 57824, 57825	GAS (BSP) 1/8", 1/4", 3/8", 1/2", 3/4", 1"	57960, 57961, 57962, 57963, 57964, 57965	M1-M10; M5-M20 + G; M13-M32 +G	57836, 57839, 57841	30 x 11; 38 x 10; 45 x 14; 55 x 16; 65 x 18	57974, 57975, 57977, 57979, 57981	14500



17

HERRAMIENTA PARA TUBO
PIPE TOOLS
OUTILLAGE TUBE
ROHR WERKZEUGE
UTENSILI PER TUBI
FERRAMENTA PARA TUBOS
ТРУБНЫЙ ИНСТРУМЕНТ





Club de Inventores Españoles

Premio a la Mejor Idea en Herramientas
Best Tool Award
Prix a la Meilleure Idée en Outils



Medalla
Salón Internacional de la Invención
París 2007

Medal
International Inventors Competition
Paris 2007

Medaille
Salon International de l'Invention
Paris 2007



Premio Iberferr al Mejor Producto del Año
2007

Best Product Award by Iberferr Sectorial Magazine
2007

Prix Iberferr du Meilleur Produit de l'Année
2007

La rapidez y facilidad de uso con una mano de la llave para tubo Mastergrip, con capacidad para tubos de medidas comprendidas entre 1/4" y 1.1/2" para la de 10", entre 1/2" y 2" en el caso de la de 14" y entre 3/4" y 3" para la de 18", ofrecen una sujeción ideal para empalmar con gran eficacia tubos roscados. Su especial diseño robusto permite ser empleado en trabajos pesados.

The fast and easy one-handed operated Mastergrip provides perfect grip to fit pipes effective and efficiently. The special Heavy Duty design makes it ideal for the most demanding jobs, providing 1/4"-1.1/4" pipe capacity for the 10" version, 1/2" to 2" in the 14" ver sion and 3/4" to 3" in the 18" version, provides also a ratchet function that makes threaded pipe fitting really efficient. Heavy duty type for the most demanding jobs.

La rapidité et la facilité d'utilisation avec une seule main de la clé serre-tubes Mastergrip, avec une capacité pour les tubes selon des mesures comprises entre 1/4" et 1.1/2" pour celle de 10", entre 1/2" et 2" dans le cas de celle de 14" et entre 3/4" et 3" pour celle de 18", permettent une prise idéale pour raccorder avec une grande efficacité des tubes filetés. Sa conception spécialement robuste permet de l'utiliser pour des travaux durs.



1
Su exclusivo diseño geométrico de lengua y postizo con un dentado especial permiten un agarre perfecto.
Designed with special teeth for the best pipe gripping effect.
La géométrie exclusive de la mâchoire et du bras de levier, pourvus d'une denture spéciale, permet une prise parfaite du tube, tout en donnant un effet cliquet.

2
Mango ergonómico de fundición de precisión de inmejorable atractivo.
Ergonomic handle in accurate casting make it unbeatably atractive.
Manche ergonomique en fonte de précision, ayant un parfait attrait.

3
Postizo con chaveta para soportar esfuerzos en ambos sentidos.
Heel jaw with sunk key to withstand efforts in both directions.
Bras de levier avec un axe pour supporter des forces des deux côtés.

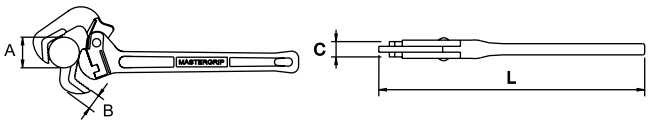
4
Fácil amarre del tubo con una sola mano.
Easy one hand gripping.
Prise aisée du tube avec une seule main.

5
Patentada.
Patented.
Brevetée.



LLAVES PARA TUBO / *PIPE WRENCHES* / CLÉS SERRE-TUBES / *EINHAND ROHRZANGE* / GIRATUBI / *CHAVES PARA TUBOS* / ТРУБНЫЕ КЛЮЧИ

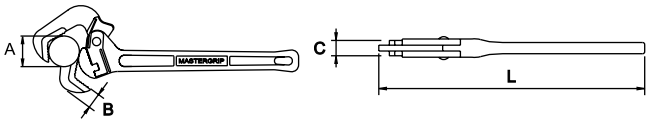
MASTERGRIP



COD.	L (inch)	A (inch)	B (mm)	C (mm)	AF mm	Kg		
61405	10	1/4-1.1/2	15	26	13-46	0,9	1	●
61406	14	1/2-2	23	33	17-50	1,6		



Patente mundial / *World patent* / Brevet mondial



COD.	L (inch)	A (inch)	B (mm)	C (mm)	AF mm	Kg		
61407	18	3/4-3	29	50	17-80	2,5	1	●



GGG-W-651-E | Patente mundial / *World patent* / Brevet mondial

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Aluminio / *Aluminum* / Aluminium

REPUESTOS MASTERGRIP / *MASTERGRIP SPARE PARTS* / PIÈCES DE RECHANGE MASTERGRIP / *MASTERGRIP ERSATZTEILE* / RICAMBI MASTERGRIP / *COMPONENTES MASTERGRIP* / ЗАПАСНЫЕ ЧАСТИ ДЛЯ MASTERGRIP



COD.	Descripción / *Description* / Description	L (inch)
80326	Mordaza inferior / *Heel Jaw* / Machoire inférieure	10
80329		14
80566		18



COD.	Descripción / *Description* / Description	L (inch)
80327	Lengua / *Hook Jaw* / Bec	10
80330		14
80567		18



COD.	Descripción / *Description* / Description	L (inch)
80324	Muelle / *Spring* / Ressort	10
80315		14
80568		18



COD.	Descripción / *Description* / Description	L (inch)
80325	Eje / *Axle* / Axe	10
80320		14
80569		18

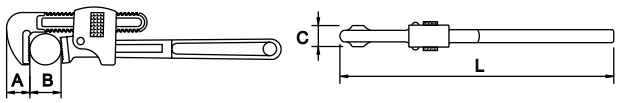
TUBO MÚLTIPLE PARA DEMO MASTERGRIP / *MULTI-PIPE FOR MASTERGRIP DEMO* / TUBE MULTIPLE POUR DÉMO MASTERGRIP / *MULTI DEMO ROHR FÜR MASTERGRIP* / TUBO MÚLTIPLO PARA DEMO MASTERGRIP / *TUBO MÚLTIPLO PARA DEMO MASTERGRIP* / ДЕМОНСТРАЦИОННАЯ ТРУБА ДЛЯ ТРУБНОГО КЛЮЧА MASTERGRIP

COD.	L (mm)	O.D. inch	Kg
64691	750	1/2-2	1,8



LLAVES STILLSON / *STILLSON PIPE WRENCHES* / CLÉS STILLSON / *STILLSON ROHRZANGE* / GIRATUBI MODELLO STILLSON / *CHAVES STILLSON* / ТРУБНЫЕ КЛЮЧИ STILLSON

REFORZADA / *REINFORCED* / RENFORCEE / *VERSTARK* / RINFORZATA / *REFORÇADA* / УСИЛЕННЫЕ



COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61001	8	17	3/4	12	0,3	1	●
61002	10	23	1	16	0,6		
61003	12	24	1.1/4		0,8		
61004	14	28	1.1/2	21	1,1		-
61005	18	30	2	24	1,9		
61006	24	39	2.1/2	27	3,1		
61007	36	49	4	30	6,5		



BS 3594-1 | GGG-W-00651d | UNE 16552

REPUESTOS LLAVE STILLSON / *STILLSON WRENCH SPARE PARTS* / PIECES DE RECHANGE CLÉ STILLSON / *STIILLSON ROHRZANGE ERSATZTEILEN* / RICAMBI CHIAVI STILLSON / *COMPONENENTES DE CHAVE STILSON* / ЗАПАСНЫЕ ЧАСТИ ДЛЯ STILLSON



COD.	Descripción / *Description* / Description	L (inch)
80047	Juego muelles / *Spring Set* / Jeu de ressorts	8
80048		10
80049		12
80050		14
80051		18
80052		24
80053		36

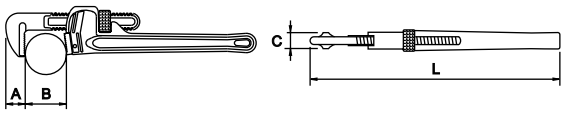


COD.	Descripción / *Description* / Description	L (inch)
80040	Tuerca / *Nut* / Ecrou	8
80041		10
80042		12
80043		14
80044		18
80045		24
80046		36



COD.	Descripción / *Description* / Description	L (inch)
80033	Lengua / *Hook Jaw* / Bec	8
80034		10
80035		12
80036		14
80037		18
80038		24
80039		36

LLAVE HEAVY DUTY / *HEAVY DUTY PIPE WRENCH* / CLÉ SERRE-TUBES HEAVY DUTY / *HEAVY DUTY ROHRZANGE* / GIRATUBI MODELLO AMERICANO PESANTE / *CHAVE HEAVY DUTY* / ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК



COD.		L (inch)	L (mm)	A (mm)	B (inch)	C (mm)	Kg		
61299	-	6	160	13	3/4	11	0,2	1	
61014	*	8	200	15	1	14	0,4		●
61015		10	270	20	1.1/2	17	0,8		
61016		12	320	23	2	20	1,3		
61017		14	360	25		23	1,7		
61018		18	450	28	2.1/2	26	2,6		
61019		24	600	33	3	29	4,5		
61020	-	36	900	43	5	33	9,5		-
61021		48	1200	55	6	35	14		
61045		60	1300	85	8	41	20		



* : Fabricada en fundición nodular de precisión APC / *Made of accurate ductile casting APC* / Fabriquée en fonte nodulaire de précision APC

Type II | **Class A** | **GGG-W-651-E** | **Modelo registrado** / *Registered model* / **Modèle enregistré**

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

60" Todas las llaves de 60" del mercado tienen una longitud inferior a su medida nominal por no ser una medida normalizada, con objeto de reducir su peso / *Length of all existing 60" wrenches in the market is lower than the nominal size as they are not normalized, in order to reduce their weight* / Sur le marché, toutes les clés de 60" ont une longueur inférieure que leur taille nominale puisque ce n'est pas une mesure standard, cela afin de réduire son poids

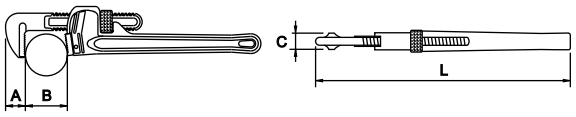
Lengua forjada móvil con efecto carraca / *Floating forged hook for ratcheting action* / Langue forgée mobile avec effet cliquet

Lengua graduada para un ajuste rápido / *Graduated hook for quick adjustment* / Langue graduée pour un réglage rapide

Mordaza inferior de aleación de acero reemplazable. Dientes sesgados, fresados con gran precisión para un óptimo agarre y mayor durabilidad / *Replaceable, twice hardened alloy steel jaws. Precision-milled, biased teeth for optimum gripping and lifetime* / Mâchoire inférieure d'alliage en acier remplaçable. Dents tordues, fraisées avec une grande précision pour une adhérence optimale et une plus grande durabilité

Sobrepasa las especificaciones de la norma americana GGG-W651e en un 180% / *Exceeds US fed GGG-W-651e specifications by over 180%* / Dépasse les caractéristiques de la norme américaine GGG-W651w à la hauteur de 180%

LLAVE DE ALUMINIO / *ALUMINIUM PIPE WRENCH* / CLÉ SERRE-TUBES EN ALLIAGE D´ALUMINIUM / *ALUMINIUM ROHRZANGE* / GIRATUBI MODELLO AMERICANO IM ALLUMINIO / *CHAVE ALUMINIO* / АЛЮМИНИЕВЫЕ ТРУБНЫЕ КЛЮЧИ



COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61044	10	20	1.1/2	17	0,5	6	●
61023	12	23	2	20	0,8		
61024	14	25		23	0,9	3	
61025	18	28	2.1/2	26	1,6	1	-
61026	24	33	3	29	2,5		
61027	36	43	5	33	5,0		
61028	48	55	6	35	8,1		●



TITALUM® | Type II | Class C | GGG-W-651-E | Modelo registrado / *Registered model* / Modèle enregistré

REPUESTOS LLAVE HEAVY DUTY / *HEAVY DUTY WRENCH SPARE PARTS* / PIECES DE RECHANGE CLÉ HEAVY DUTY / *HEAVY DUTYROHRZANGE ERSATZTEILEN* / RICAMBI CHIAVI HEAVY DUTY / *COMPONENENTES DE CHAVE HEAVY DUTY* / ЗАПАСНЫЕ ЧАСТИ ДЛЯ КЛЮЧЕЙ ДЛЯ БОЛЬШИХ НАГРУЗОК



COD.	Descripción / *Description* / Description	L (inch)
85085	Juego muelles / *Spring Set* / Jeu de ressorts	6
81022		8
81023		10
81024		12
81025		14
81026		18
81027		24
81028		36
81031		48
81674		60



COD.	Descripción / *Description* / Description	L (inch)
85083	Tuerca / *Nut* / Ecrou	6
81015		8
81016		10
81017		12
81018		14
81019		18
81020		24
81021		36
81030		48
81672		60

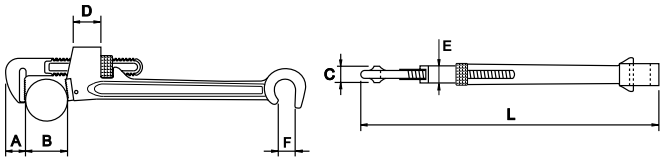


COD.	Descripción / *Description* / Description	L (inch)
85084	Mordaza inferior / *Heel Jaw* / Machoire inférieure	6
81008		8
81009		10
81010		12
81011		14
81012		18
81013		24
81014		36
81029		48
81673		60



COD.	Descripción / *Description* / Description	L (inch)
85082	Lengua / *Hook Jaw* / Bec	6
81001		8
81002		10
81003		12
81004		14
81005		18
81006		24
81007		36
81000		48
81671		60

LLAVE REFINERÍA PARA TUBO Y VÁLVULAS / *REFINERY PIPE AND VALVE WRENCH* / CLÉ DE RAFFINERIE POUR TUBES ET VANNES / *LEITUNG UND VENTIL SCHLÜSSEL F/ RAFFINERIE* / GIRATUBO PER RAFFINERIA E VALVOLE / *CHAVE DE REFINARIA PARA TUBO E VÁLVULAS* / КОМБИНИРОВАННЫЙ ТРУБНЫЙ КЛЮЧ С МОЛОТКОМ И УХОМ ДЛЯ ЗАТЯЖКИ ВЕНТИЛЕЙ

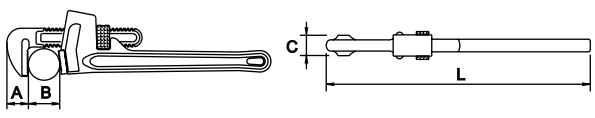


COD.	L (inch)	L (mm)	A (mm)	B (inch)	C (mm)	D (mm)	E (mm)	F (mm)	F (inch)	Kg		
57580	8	250	15	1/8-1	14	27	17	20	3/4	0,5	1	●
57581	10		20	1/8-1.1/2	17	32	20	13	1/2	0,8		
57582	12	300	22		20		22			1,0		



Type II | Class A | GGG-W-651-E

RAP

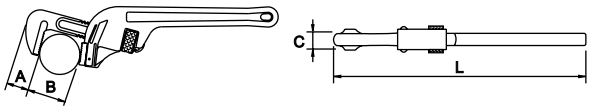


COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61376	10	20	1.1/2	17	0,9	6	●



Type II | Class A | GGG-W-651-E

LLAVE HEAVY DUTY CURVA / *OFFSET HEAVY DUTY PIPE WRENCH* / CLÉ SERRE-TUBES HEAVY DUTY COUDEE / *GEKRÖPFTE ROHRZANGE* / GIRATUBI MODELLO AMERICANO CURVO / *CHAVE HEAVY DUTY INCLINADA* / ИЗОГНУТЫЕ ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК

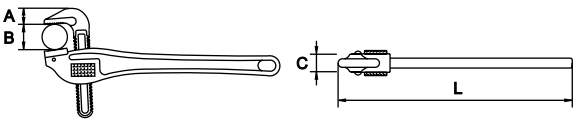


COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61029	8	16	1	20	0,35	6	●
61030	10	20	1.1/2	23	0,80		
61031	12	22	2	26	1,30		
61032	14	25		29	1,54	5	
61033	18	27	2.1/2	33	2,30	3	-
61034	24	31	3	35	4,0	1	



Type VI | GGG-W-651-E

PICO PATO 90º / *OFFSET PIPE WRENCH 90º* / CLÉ SERRE-TUBE 90º / *ROHRZANGE 90º* / GIRATUBI 90º / *BICO PATO 90º* / ИЗОГНУТЫЕ ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК 90º

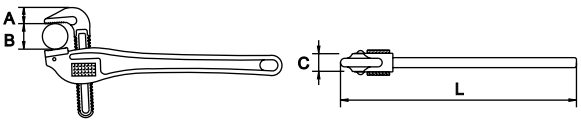


COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61377	14	25	2	23	1,60	2	●
61378	18	29	2.1/2	26	2,70	1	-



Type II | Class A | GGG-W-651-E

PICO PATO DE ALUMINIO 90º / *ALUMINIUM OFFSET PIPE WRENCH 90º* / CLÉ SERRE-TUBE 90º EN ALLIAGE D´ALUMINIUM / *ROHRZANGE 90º ALUMINIUM* / GIRATUBI 90º IM ALLUMINIO / *BICO PATO ALUMINIO 90º* / АЛЮМИНИЕВЫЕ ИЗОГНУТЫЕ ТРУБНЫЕ КЛЮЧИ 90º



COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61363	14	25	2	28	0,8	6	●
61364	18	28	2.1/2	39	1,2	2	-
61365	24	34	3	42	2,2	1	



TITALUM® | Type II | Class C | GGG-W-651-E

REPUESTOS LLAVE PICO PATO 90º / *OFFSET PIPE WRENCH 90º SPARE PART* / PIECES DE RECHANGE CLÉ SERRE-TUBE 90º / *GEKRÖPFTE ROHRZANGE 90° ERSATZTEIL* / RICAMBI GIRATUBI 90° / *ACESSÓRIOS DE REPOSIÇÃO PARA CHAVE BICO DE PATO 90º* / ЗАПАСНЫЕ ЧАСТИ ДЛЯ КОЛЕНЧАТОГО ТРУБНОГО КЛЮЧЯ



COD.	Descripción / *Description* / Description	L (inch)
87096	Juego Muelles / *Spring set* / Jeu de ressorts	14
87097		18
87098		24



COD.	Descripción / *Description* / Description	L (inch)
87099	Tuerca / *Nut* / Ecrou	14
87100		18
87101		24



COD.	Descripción / *Description* / Description	L (inch)
87102	Mordaza inferior / *Heel jaw* / Mâchoire inférieure	14
87103		18
87104		24

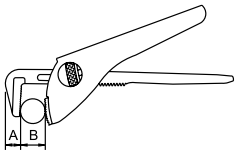


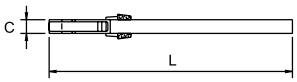
COD.	Descripción / *Description* / Description	L (inch)
87105	Lengua / *Hook jaw* / Bec	14
87106		18
87107		24

KITS

COD.	L (inch)	PCS.	COD. PCS.
88962	14	4	87096, 87099, 87102, 87105
88963	18		87097, 87100, 87103, 87106
88964	24		87098, 87101, 87104, 87107

LLAVE PARA TUBO TIPO BLITZ / *BLITZ TYPE PIPE WRENCH* / CLÉ SERRE-TUBE TYPE BLITZ / *BLITZ ROHRZANGE* / GIRATUBI MODELLO BLITZ / *CHAVE PARA TUBO MODELO BLITZ* / ТРУБНЫЙ КЛЮЧ ТИП-BLITZ

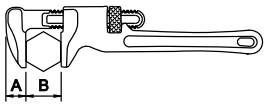


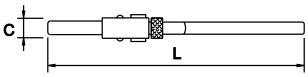


COD.	L (mm)	A (mm)	B (inch)	C (mm)	Kg		
61465	175	19	1	12	0,3	6	●
61467	275	21	2	16	0,8		
61469	350	24	3	17	1,1		-



LLAVE SPUD / *SPUD PIPE WRENCH* / CLÉ SPUD / *VERSTELLBARE ROHRZANGE* / GIRATUBI MODELLO SPUD / *CHAVE PARA TUBO SPUD* / ТРУБНЫЙ КЛЮЧ С ПАРАЛЛЛЕЛЬНЫМИ ГУБКАМИ

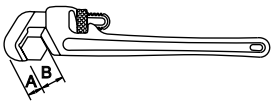


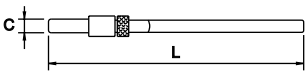


COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61369	12	24	2.5/8	16	1,2	6	●



LLAVE HEXAGONAL / *HEX PIPE WRENCH* / CLÉ HEXAGONALE / *SECHSKANT ROHRZANGE* / GIRATUBI HEXAGONALE / *CHAVE PARA TUBO HEXAGONAL* / ТРУБНЫЙ КЛЮЧ ДЛЯ ШЕСТИГРАННИКОВ

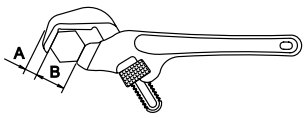


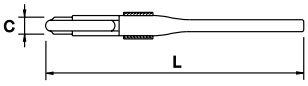


COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61368	14.1/2	29	5/8-1.1/4	14	2,1	3	●



LLAVE HEXAGONAL CURVA / *HEXAGONAL OFFSET PIPE WRENCH* / CLÉ HEXAGONALE COUDEE / *GEKRÖPFTE ROHRZANGE* / GIRATUBI ESAGONALE CURVO / *CHAVE HEXAGONAL INCLINADA* / ИЗОГНУТЫЙ ТРУБНЫЙ КЛЮЧ ДЛЯ ШЕСТИГРАННИКОВ





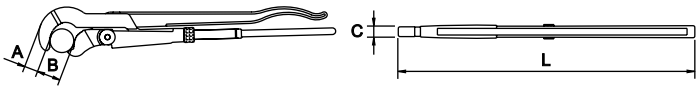
COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
61367	9.1/2	14	1.1/8-2.5/8	9,5	0,7	6	●



LLAVES SUECAS / *SWEDISH PIPE WRENCHES* / CLÉS SERRE-TUBES SUEDOISES / *ECROHRZANGE* / GIRATUBI MOD. SUEDESE / *CHAVES PARA TUBOS SUECAS* / ТРУБНЫЕ ШВЕДСКИЕ КЛЮЧИ

SERIE MASTER CR-V

LLAVE SUECA S 45º / *SWEDISH PIPE WRENCH S 45º* / CLÉ SERRE-TUBES SUEDOISE S 45º / *ECKROHRZANGE S 45º* / GIRATUBI MOD. SVEDESE S 45º / *CHAVE SUECA S 45º* / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ S 45º



COD.	L (mm)	A (mm)	B (inch)	C (mm)	Kg		
61010	230	15	1/2	8,8	0,4	4	●
61011	330	20	1	13	0,8	6	
61012	420	26	1.1/2	14	1,4	4	-
61013	550	28	2	16	2,4	2	
61022	650	35	3	19	4,2		

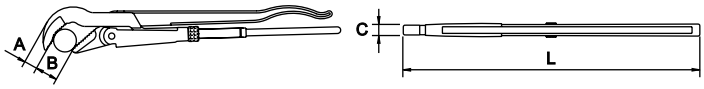
DIN 5234 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

LLAVE SUECA 45º / *SWEDISH PIPE WRENCH 45º* / CLÉ SERRE-TUBES SUEDOISE 45º / *ECKROHRZANGE 45º* / GIRATUBI MOD. SVEDESE 45º / *CHAVE SUECA 45º* / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ 45º



COD.	L (mm)	A (mm)	B (inch)	C (mm)	Kg		
61040	230	18	1/2	8,8	0,4	4	●
61041	330	24	1	13	0,7	6	
61042	450	27	1.1/2	14	1,4	4	-
61043	550	33	2	16	2,3	2	

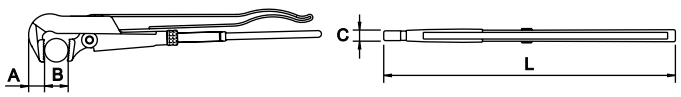
DIN 5234 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

LLAVE SUECA 90º / *SWEDISH PIPE WRENCH 90º* / CLÉ SERRE-TUBES SUEDOISE 90º / *ECKROHRZANGE 90º* / GIRATUBI MOD. SVEDESE 90º / *CHAVE SUECA 90º* / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ 90º



COD.	L (mm)	A (mm)	B (inch)	C (mm)	Kg		
61046	320	18	1	15	0,7	6	●
61047	430	20	1.1/2	18	1,3	4	
61048	550	25	2	20	2,3	2	-
61049	600	30	3		3,0		
61051	750	34	4	31	5,3	1	

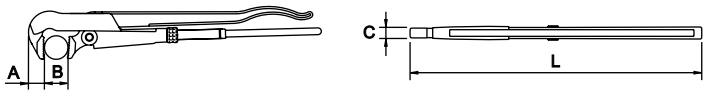
DIN 5234 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

LLAVE SUECA BOCAS DE PLÁSTICO / *FITTINGS WRENCH* / MACHOIRES EN PLASTIQUE / *ECKROHRZANGE MIT KUNSTSTOFFBACKEN* / CON GANASCE IN PLASTICA / *CHAVE SUECA BOCAS DE PLASTICO* / КЛЮЧ ДЛЯ ФАСОННЫХ ЧАСТЕЙ



COD.	L (mm)	A (mm)	B (inch)	C (mm)	Kg			
61050	310	21	1	9,5	0,8	6	●	64257

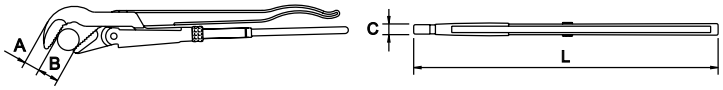
DIN 5234 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V



LLAVE SUECA BOCAS RECTAS / *SWEDISH PIPE WRENCH STRAIGHT JAWS* / CLÉ SERRE-TUBES SUEDOISE / *ECKROHRZANGE* / GIRATUBI MOD. SUEDESE / *CHAVE SUECA RECTA* / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ С ПРЯМЫМИ ГУБКАМИ



COD.	L (mm)	A (mm)	B (inch)	C (mm)	Kg		
60963	320	24	1	13	0,7	6	●
60964	420	27	1.1/2	14	1,4	4	-

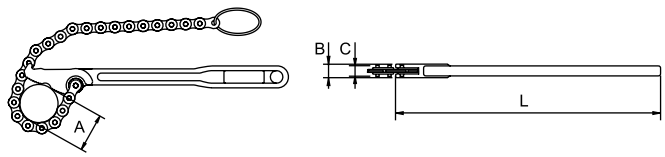
DIN 5234 | Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V



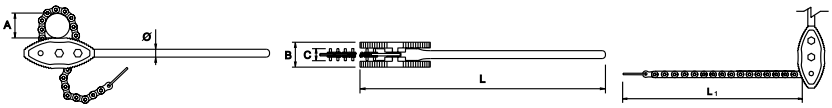
LLAVE DE CADENA REVERSIBLE / *REVERSIBLE CHAIN PIPE WRENCH* / CLÉ À CHAINE RÉVERSIBLE / *KETTENROHRZANGE* / CHIAVE A CATENA REVERSIBILE / *CHAVE CORRENTE REVERSIVEL* / РЕВЕРСИВНЫЙ ЦЕПНОЙ КЛЮЧ



COD.	L (mm)	L (inch)	A (inch)	B (mm)	C (mm)	Kg		
61035	300	12	4	20	20	0,8	6	64038



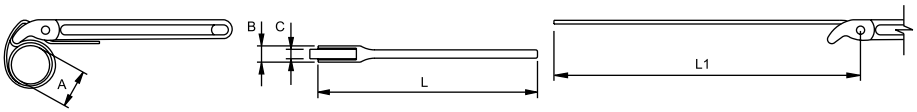
LLAVE DE CADENA REVERSIBLE REFORZADA / *HEAVY DUTY REVERSIBLE CHAIN PIPE WRENCH* / CLÉ À CHAINE RÉVERSIBLE RENFORCÉE / *VERSTÄRKTE KETTENROHRZANGE* / CHIAVE A CATENA REVERSIBILE RINFORZATA / *CHAVE CORRENTE REVERSIVEL REFORÇADA* / РЕВЕРСИВНЫЙ ЦЕПНОЙ КЛЮЧ ДЛЯ БОЛЬШИХ НАГРУЗОК



COD.	L (mm)	L1 (mm)	A (inch)	B (mm)	C (mm)	Kg		
57090	700	480	2.1/2	50	22	3,8		64760
61036	900	750	4	65	36	8,2	1	64081
57091	950	600				7,0		
61037	1000	900	6			9,5		64082
57092	1100	800				8,3		
61038	1200	1050	8	70		13		64083
57093	1300	950				14		
61039		1200	10					64084
61138	1400	1350	12			17		64128
57094	1600					18		
61139		1500	16			21		64129
62050		2000	18		38	23		64906
57095	2200	1950				21		
62051	1600	2600	20			24		64907



LLAVE DE CORREA / *STRAP WRENCH* / CLÉ À SANGLE / *GURTROHRZANGE* / GIRATUBI A NASTRO / *CHAVE DE CORREIA* / РЕМЕШКОВЫЙ КЛЮЧ



COD.	L (mm)	L (inch)	L1 (mm)	A (inch)	B (mm)	C (mm)	Kg			
61480	300	12	450	3	43	27	0,3	6	●	64035
61481			1000	8						64036
61482			1200	12			0,4			63960



TERRAJAS AJUSTABLES / *ADJUSTABLE THREADERS* / FILIÈRES AJUSTABLES / *VERSTELLBARE GEWINDESCHNEIDKLUPPE* / FILIERA REGOLABILE / *TARRACHAS AJUSTAVEIS* / РЕГУЛИРУЕМАЯ РЕЗЬБОНАРЕЗКА

KITS 1/4" - 2"

COD.		O.D. inch	Kg		
63160	BSPT	1/4-2	10	1	64338, 64339, 64340, 64341
63161		1/2-2			64339, 64340, 64341
63162	NPT	1/4-2			64342, 64343, 64344, 64345
63163		1/2-2			64343, 64344, 64345



PEINES / *DIES* / PEIGNES / *SCHNEIDBACKEN* / PETTINI / *CAÇONETES* / ГРЕБЕНКИ

COD.		O.D. inch	Kg	
64338	BSPT	1/4-3/8	0,4	1
64339		1/2-3/4		
64340		1-1.1/4		
64341		1.1/2-2	0,3	

COD.		O.D. inch	Kg	
64342	NPT	1/4-3/8	0,4	1
64343		1/2-3/4		
64344		1-1.1/4		
64345		1.1/2-2	0,3	

KITS 1.1/2" - 4"

COD.		O.D. inch	Kg		
63164	BSPT	1.1/2-4	22	1	64346, 64347, 64348
63165		2.1/2-4	21		64347, 64348
63166	NPT	1.1/2-4	22		64349, 64350, 64351
63167		2.1/2-4	21		64350, 64351



PEINES / *DIES* / PEIGNES / *SCHNEIDBACKEN* / PETTINI / *CAÇONETES* / ГРЕБЕНКИ

COD.		O.D. inch	Kg	
64346	BSPT	1.1/2-2	0,9	1
64347		2.1/2-3		
64348		3.1/2-4	0,7	

COD.		O.D. inch	Kg	
64349	NPT	1.1/2-2	0,9	1
64350		2.1/2-3		
64351		3.1/2-4	0,7	

TERRAJA DE CABEZAS INTERCAMBIABLES / *DROP HEADS THREADERS* / FILIÈRES A TÊTES INTERCHANGEABLES / *SET GEWINDESCHNEIDKLUPPEN* / FILIERE PER TUBI / *TARRACHAS DE CABEÇAS INTERMUTAVEIS* / РЕЗЬБОНАРЕЗНОЙ НАБОР

COD.		O.D. inch	Kg			
63020	BSPT	1/4-1.1/4	7,5	59018, 59019, 63003, 63004, 63005, 63006	63000	51000
63021		3/8-1.1/4	7,0	59019, 63003, 63004, 63005, 63006		
63022		1/2-1.1/4	6,5	63003, 63004, 63005, 63006		
63023		1/4-1		59018, 59019, 63003, 63004, 63005		
63024		3/8-1	6,0	59019, 63003, 63004, 63005		
63025		1/2-1	5,5	63003, 63004, 63005		



COD.		O.D. inch	Kg			
63026	NPT	1/4-1.1/4	7,5	59020, 59021, 63013, 63014, 63015, 63016	63000	51000
63027		3/8-1.1/4	7,0	59021, 63013, 63014, 63015, 63016		
63028		1/2-1.1/4	6,5	63013, 63014, 63015, 63016		
63029		1/4-1		59020, 59021, 63013, 63014, 63015		
63030		3/8-1	6,0	59021, 63013, 63014, 63015,		
63031		1/2-1	5,5	63013, 63014, 63015		

COD.		O.D. inch	Kg			
63036	BSPT	1.1/4-2	9,8	63007, 63008, 63009	63010	50002
63037		1.1/2-2	8,4	63008, 63009		

COD.		O.D. inch	Kg			
63038	NPT	1.1/4-2	9,8	63017, 63018, 63019	63010	50002
63039		1.1/2-2	8,4	63018, 63019		



COD.		O.D. inch	Kg			
63134	BSPT	1/4-2	14	59018, 59019, 63003, 63004, 63005, 63006, 63008, 63009	63010	50002
63133		3/8-2		59019, 63003, 63004, 63005, 63006, 63008, 63009		
63132		1/2-2	12	63003, 63004, 63005, 63006, 63008, 63009		

COD.		O.D. inch	Kg			
63139	NPT	1/4-2	14	59020, 59021, 63013, 63014, 63015, 63016, 63018, 63019	63010	50002
63138		3/8-2		59021, 63013, 63014, 63015, 63016, 63018, 63019		
63137		1/2-2	12	63013, 63014, 63015, 63016, 63018, 63019		



CABEZAS / *HEADS* / TÊTES / *SCHNEIDKÖPFE* / TESTE / *CABEÇAS* / СМЕННЫЕ БОЙКИ

COD.		O.D. inch	Kg		
59018	BSPT	1/4	0,6	1	●
59019		3/8			
63003		1/2			
63004		3/4	0,5		
63005		1	0,8		
63006		1.1/4	0,9		

COD.		O.D. inch	Kg		
63007	BSPT	1.1/4	1,5	1	-
63008		1.1/2	1,9		
63009		2			



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Serie pesada / *Heavy duty* / Série lourde

COD.		O.D. inch	Kg		
59020	NPT	1/4	0,6	1	●
59021		3/8			
63013		1/2			
63014		3/4	0,5		
63015		1	0,8		
63016		1.1/4	0,9		

COD.		O.D. inch	Kg		
63017	NPT	1.1/4	1,5	1	-
63018		1.1/2	1,9		
63019		2			

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Serie pesada / *Heavy duty* / Série lourde

PEINES / *DIES* / PEIGNES / *SCHNEIDBACKEN* / PETTINI / *CAÇONETES* / ГРЕБЕНКИ

COD.		O.D. inch	g	
59022	BSPT	1/4	70	1
59023		3/8		
63042		1/2		
63043		3/4		
63044		1	130	
63045		1.1/4		
63046		1.1/2	230	
63047		2		



COD.		O.D. inch	g	
59024	NPT	1/4	70	1
59025		3/8		
63052		1/2		
63053		3/4		
63054		1	130	
63055		1.1/4		
63056		1.1/2	230	
63057		2		

CARRACAS / *RATCHET* / CLIQUETS / *RATSCHENHEBEL* / CRICCO DI MANOVRA / *ROQUETES* / ТРЕЩЕТКИ

COD.	O.D. inch	Kg		
63000	1/4-1.1/4	1,5	1	●
63010	1.1/4-2	3,0		



ESTUCHE / *CASE* / ÉTUI / *KOFFER* / ASTUCCIO / *CAIXA* / ФУТЛЯР

COD.	L x W x H (mm)
51000	410 x 210 x 95
50002	640 x 340 x 155



REDUCTOR / *ADAPTOR* / ADAPTATEUR / *ADAPTER* / RIDUTTORE / *REDUTOR* / АДАПТЕР

COD.	O.D. inch	g	
80833	1/4-1.1/4	15	●



ACEITE DE CORTE / *CUTTING OIL* / HUILE DE COUPE / *GEWINDESCHNEIDMITTEL* / OLIO DA TAGLIO / *OLEO DE CORTE* / РЕЗЬБОНАРЕЗНОЕ МАСЛО

COD.	CAP. (ml)	
64007	100	1



CINTA DE SELLADO DE PTFE PARA ROSCAS / *PTFE THREAD SEALING TAPE* / BANDE DE SCELLEMENT PTFE POUR FILETAGES / *PTFE GEWINDE DICHTUNGSBAND* / NASTRO DI SIGILLATURA PTFE PER FILETTATURE / *FITA PARA SELAR ROSCAS PTFE* / ФУМ-ЛЕНТА ДЛЯ РЕЗЬБОВЫХ СОЕДИНЕНИЙ

COD.	L (m)	W x H (mm)	Densidad (g/cm3) / *Density (g/cm3)* / Densité (g/cm3)	g	
51575	10	12 x 0,075	0,20	10	1
51576	15		0,30	15	



MASTERKIT - 1



COD.		Kg			1/2" - 1"	14"	14"	1"	10"	2"	
69000	BSPT	10	51005	63000	63003, 63004, 63005	61004	-	-	62135	63172	100 ml (64007)
69001						-	61017				
69002		9,5					-	61011			
69021	NPT	10			63013, 63014, 63015		61017	-			

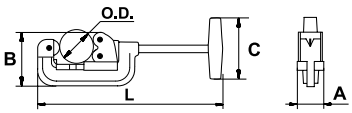
MASTERKIT - 2



COD.		Kg			1/2" - 2"	14"	14"	1"	10"	2"		
69050	BSPT	16	50002	63010	63006, 63003, 63004, 63005, 63008, 63009	61004	-	-	62135	63172	100 ml (64007)	1/4-1.1/4 (80833)
69051		17				-	61017					
69052		16					-	61011				
69072	NPT	17			63013, 63014, 63015, 63016, 63018, 63019		61017	-				

CORTATUBOS / *TUBE CUTTER* / COUPE-TUBES / *KUPFER ROHRABSCHNEIDER* / TAGLIATUBI / *CORTA TUBOS* / ТРУБОРЕЗ

CORTATUBOS DE ACERO / *STEEL PIPE CUTTER* / COUPE-TUBES ACIER / *ROHRABSCHNEIDER* / TAGLIATUBI PER FERRO / *CORTA TUBOS AÇO* / ТРУБОРЕЗ ДЛЯ СТАЛЬНЫХ ТРУБ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	O.D. inch	mm	Kg		
63171	270	90	110	40	1/8-1.1/4	4,8	1,1	2	63103
63172	375	110	125	56	1/8-2	5,8	2,5	1	63101

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

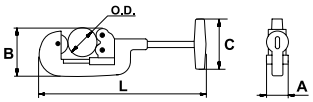
Acero / *Steel* / Acier



COD.	L (mm)	A (mm)	B (mm)	C (mm)	O.D. inch	mm	Kg		
63098	270	90	110	40	1/8-1.1/4	4,8	1,1	2	63090
63099	375	110	125	56	1/8-2	5,6	2,5	1	63091

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable



COD.	L (mm)	A (mm)	B (mm)	C (mm)	O.D. inch	mm	Kg		
63366	430	120	150	52	1/8-2	5,6	3,2	1	63101



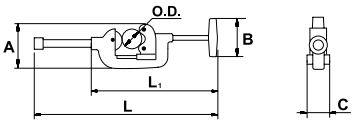
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero / *Steel* / Acier

COD.	L (mm)	A (mm)	B (mm)	C (mm)	O.D. inch	mm	Kg		
63378	430	120	150	52	1/8-2	5,6	3,2	1	63091

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable



COD.	L (mm)	L1 (mm)	A (mm)	B (mm)	C (mm)	O.D. inch	mm	Kg		
63175	960	560	195	170	60	2-4	8,6	8,0	1	63185



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

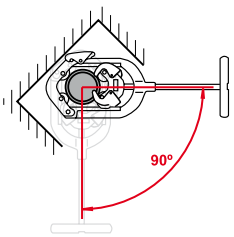
Acero / *Steel* / Acier

COD.	L (mm)	L1 (mm)	A (mm)	B (mm)	C (mm)	O.D. inch	mm	Kg		
63177	960	560	195	170	60	2-4	8,6	8,0	1	63186

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

CORTATUBOS ARTICULADO / *HINGED PIPE CUTTER* / COUPE TUBES ARTICULÉ / *UNIVERSAL ROHRABSCHNEIDER* / TAGLIATUBI ARTICOLATO / *CORTA TUBOS ARTICULADO* / ТРУБОРЕЗ С ХОМУТНОЙ ЗАЩЕЛКОЙ



COD.	O.D. inch	O.D. mm	Kg		
63355	2-4	8,6	6,0	1	64173
63356	4-6		9,0		64174
63357	6-8		11		64175
63358	8-12		16		64176



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero / *Steel* / Acier

COD.	O.D. inch	O.D. mm	Kg		
63359	2-4	8,6	6,0	1	64196
63360	4-6		9,0		64197
63361	6-8		11		64198

COD.	O.D. inch	O.D. mm	Kg		
63362	8-12	8,6	16	1	64199

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

COD.	O.D. inch	O.D. mm	Kg		
63772	2-4	8,6	6,0	1	64654
63773	4-6		9,0		68078
63774	6-8		11		64655
63775	8-12		16		

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hierro dúctil y fundición / *Cast and ductile iron* / Fer malléable et fonte

SERIE INOX / *STAINLESS STEEL* / INOX / *EDELSTAHL* / ACCIAIO INOX / *AÇO INOXIDAVEL* / НЕРЖАВЕЮЩАЯ СТАЛЬ

MINI

COD.		MAX mm	g				
63076	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-22	135	20	●	63113	20



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Reforzado / *Reinforced* / Renforcé

MINI 30

COD.		MAX mm	g				
63169	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-30	210	10	●	63087	20



CLASSIC 32

COD.		MAX mm	g				
63094	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-32	300	1	●	63113	20



TELESCOPIC 32

COD.		MAX mm	g				
63118	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-32	290	1	●	63113	20



UNIQUE

COD.		MAX mm	g				
63121	Acero inoxidable / *Stainless steel* / Acier inoxydable	6-42	550	8	●	63114	10



AUTOMATIC 50

COD.		MAX mm	g				
63364	Acero inoxidable / *Stainless steel* / Acier inoxydable	6-50	450	1	●	63721	10



TELESCOPIC 70

COD.		MAX mm	g				
60379	Acero inoxidable / *Stainless steel* / Acier inoxydable	6-70	1100	1	●	60218	10



KIT 3 PCS.

COD.	PCS.	COD. PCS.
69548	3	63076, 63094, 63121



TORNILLO DE BANCO PARALELO CON MORDAZAS PARA TUBO / *PARALLEL BENCH VICE WITH PIPE JAWS* / ETAU À MORS PARALLELES AVEC SERRE TUBE / *PARALLELSCHRAUBSTOCK MIT ROHRSPANNBACKEN* / MORSA PARALLELA CON GANASCE PER TUBI / *TORNO PARALELO CON MORDAÇAS PARA TUBO* / СЛЕСАРНЫЕ ТИСКИ С ТРУБНЫМИ ГУБКАМИ

FIJO / *FIXED* / FIXE / *FESTE-AUSFÜHRUNG* / BASE FISSA / *FIXO* / ФИКСИРОВАННЫЙ

COD.	inch	mm	O.D. inch	N	Kg	
57619	4	100	1/4-1.1/4	15000	7,0	1
57620	5	150	1/4-1.1/2	25000	11	
57621	6	200		35000	17	
57622	7	225	1/2-3	50000	27	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fabricado en acero fundido nodular de precisión - "Tipo forjado" / *Made of accurate ductile cast steel - "Forged type"* / Fabriqué en acier moulé nodulaire de précision - "Type forgé"

GIRATORIO / *SWIVEL* / TOURNANT / *DREHBARE* / MORSA GIREVOLE / *BASE GIRATORIA* / ПОВОРОТНОЕ

COD.	inch	mm	N	Kg	
57624	4	100	15000	8,0	1
57625	5	150	25000	12	
57626	6	200	35000	18	
57627	7	225	50000	29	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fabricado en acero fundido nodular de precisión - "Tipo forjado" / *Made of accurate ductile cast steel - "Forged type"* / Fabriqué en acier moulé nodulaire de précision - "Type forgé"

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	(inch)	Kg
86580	4	0,8
86581	5	1,0
86582	6	1,3
86583	7	1,4



COD.	(inch)	Kg
86584	4	0,7
86585	5	0,9
86586	6	1,1
86587	7	1,3



TORNILLO DE BANCO PARALELO / *PARALLEL BENCH VICE* / ÉTAU À MORS PARALLELES / *PARALLELSCHRAUBSTÖCKE* / MORSA DA BANCO PARALLELA / *TORNO DE BANCADA PARALELO* / ТИСКИ

FIJO / *FIXED* / FIXE / *FESTE-AUSFÜHRUNG* / BASE FISSA / *FIXO* / ФИКСИРОВАННЫЙ

COD.	inch	mm	N	Kg	
57636	4	100	10.000	8,0	1
57637	5	125	15.000	12	
57638	6	150	20.000	14	
57639	8	200	25.000	22	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero fundido / *Cast steel* / Font d'acier

GIRATORIO / *SWIVEL* / TOURNANT / *DREHBARE* / MORSA GIREVOLE / *BASE GIRATORIA* / ПОВОРОТНОЕ

COD.	inch	mm	N	Kg	
57645	4	100	10.000	9,0	1
57646	5	125	15.000	13	
57647	6	150	20.000	15	
57648	8	200	25.000	23	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero fundido / *Cast steel* / Font d'acier

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	(inch)	Kg
87840	4	1,0
87841	5	1,2
87842	6	1.4
87843	8	1,6



COD.	(inch)
87844	4
87845	5
87846	6
87847	8



TORNILLO DE BANCO PARA TUBOS / *PIPE VICE* / ÉTAU À CHARNIÈRE / *ROHRSCHRAUBSTOCK* / MORSA PER TUBI / *TORNO PARA TUBOS* / ВЕРСТАЧНЫЕ ТРУБНЫЕ ТИСКИ

COD.	O.D. inch	O.D. mm	Kg	
61202	1/8-2	10-60	4,0	1
61204	1/8-3	10-89	8,0	
61205	1/8-4	10-114	12	



REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	O.D. inch	
64260	2	
64261		
64352	3	
64353		
64258	4	
64259		

TORNILLO DE BANCO PARA TUBOS PORTÁTIL / *PORTABLE PIPE VICE* / ÉTAU À TUBE PORTABLE / *TRAGBARE ROHRSCHRAUBSTOCK* / MORSA DA BANCO PER TUBI PORTATILI / *TORNO DE BANCADA PARA TUBO PORTÁTIL* / ТРУБНЫЕ ТИСКИ СО СТРУБЦИНОЙ

COD.	O.D. inch	O.D. mm	Kg	
61199	1/8-2	10-60	5,5	1



MORDAZA DE CADENA / *CHAIN VICE* / ÉTAU À CHAINE / *KETTENROHRSCHRAUBSTOCK* / MORSA A CATENA / *TORNOS DE CORRENTE* / ЦЕПНЫЕ ТИСКИ

COD.	O.D. inch	Kg	
61206	1/8-6	12	1



TRIPOD STAND

COD.	O.D. inch	O.D. mm	Kg	
61200	1/8-6	10-170	21	1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con mordaza de cadena 6" / *With chain vice 6"* / Avec étau à chaine 6"



MESA DE TRABAJO / *WORK BENCH* / TABLE DE MONTEUR / *ARBEITSTISCH* / BANCHI DA LAVORO / *MESAS DE TRABALHO* / РАБОЧИЙ СТОЛ

COD.	L x W x H (mm)	Kg - MAX	Kg
61197	710 x 450 x 825	500	18





PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

FUERZAS AEREAS OCCIDENTALES / WESTERN AIR FORCE
DEFENSE / FORCES AÉRIENNES OCCIDENTALES
MANTENIMIENTO / MAINTENANCE / MAINTENANCE







18

HERRAMIENTA PARA INOX
STAINLESS STEEL TOOLS
OUTIL POUR INOX
EDELSTAHL-WERKZEUGE
UTENSILI PER ACCIAIO INOX
FERRAMENTA PARA INOX
ИНСТРУМЕНТЫ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ



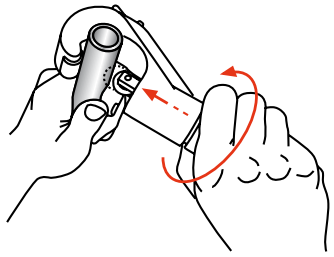
HERRAMIENTA PARA INOX
STAINLESS STEEL TOOLS
OUTIL POUR INOX

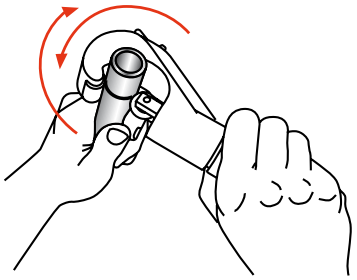


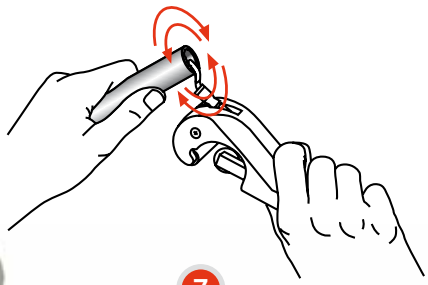
Medalla de Oro
Salón Internacional de la Invención
París 2004

Gold Medal
International Inventors Competition
Paris 2004

Medaille d'Or
Salon International de l'Invention
Paris 2004









1. Acción rápida y suave gracias a su mecanizado de precisión.
Precision machining provides the quickest and smoothest action.
Action rapide et douce, grâce à son usinage très précis.

2. Extremadamente robusto, compacto y fácil de usar.
Extremely robust, compact and easy to use.
Très robuste, compact et aisé à utiliser.

3. Escala graduada marcada en láser para facilitar el posicionamiento.
Laser marked graduated scale to facilitate working action.
Echelle graduée, marquée au laser, pour faciliter le positionnement.

4. Cuchilla de repuesto incluida en el pomo.
Extra cutting wheel at the knob.
Molette de rechange, incluse dans le manche.

5. Especialmente diseñado para corte de tubos de acero inoxidable.
Specially designed for cutting stainless steel pipes.
Spécialement conçu pour couper les tubes en acier inoxydable.

6. Escariador extraíble puede trabajar montado en el cortatubos o de forma independiente.
Extractable reamer can work assembled in the tubing cutter or independently.
L'alésoir extractif peut travailler assemblé au coupe-tubes ou de manière indépendante.

7. Rodillos sin ranura fabricados en acero inoxidable para evitar contaminaciones.
Stainless steel Rollers to avoid contamination, without groove.
Rouleaux sans rainure fabriqués en acier inoxydable pour éviter la pollution.

8. Cuchilla HSS de larga duracion para corte preciso y rápido.
Long lasting HSS cutting Wheel for accurate and fast cutting.
Lame HSS de longue durée pour coupure précise et rapide.

CORTATUBOS / *TUBE CUTTER* / COUPE-TUBES / *KUPFER ROHRABSCHNEIDER* / TAGLIATUBI / *CORTA TUBOS* / ТРУБОРЕЗ

MINI

COD.		MAX mm	g				
63076	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-22	135	20	●	63113	20



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Reforzado / *Reinforced* / Renforcé

MINI 30

COD.		MAX mm	g				
63169	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-30	210	10	●	63087	20



CLASSIC 32

COD.		MAX mm	g				
63094	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-32	300	1	●	63113	20



TELESCOPIC 32

COD.		MAX mm	g				
63118	Acero inoxidable / *Stainless steel* / Acier inoxydable	3-32	290	1	●	63113	20



UNIQUE

COD.		MAX mm	g				
63121	Acero inoxidable / *Stainless steel* / Acier inoxydable	6-42	550	8	●	63114	10



AUTOMATIC 50

COD.		MAX mm	g				
63364	Acero inoxidable / *Stainless steel* / Acier inoxydable	6-50	450	1	●	63721	10



TELESCOPIC 70

NI

COD.		MAX mm	g				
60379	Acero inoxidable / *Stainless steel* / Acier inoxydable	6-70	1100	1	●	60218	10



KIT 3 PCS.

COD.	PCS.	COD. PCS.
69548	3	63076, 63094, 63121



CORTATUBOS INOX / *STAINLESS STEEL PIPE CUTTER* / COUPE-TUBES INOX / *EDELSTAHL ROHRABSCHNEIDER* / TAGLIATUBI PER ACCIAIO INOX / *CORTA TUBOS INOX* / ТРУБОРЕЗ ДЛЯ ТРУБ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

COD.	O.D. inch	Kg		
63098	1/8-1.1/4	1,1	2	63090
63099	1/8-2	2,5	1	63091



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

COD.	O.D. inch	Kg		
63378	1/8-2	3,2	1	63091



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

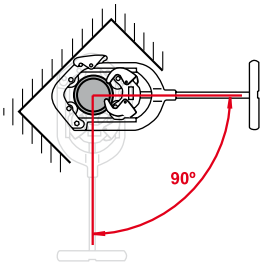
COD.	O.D. inch	Kg		
63177	2-4	8,0	1	63186



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

CORTATUBOS ARTICULADO / *HINGED PIPE CUTTER* / COUPE TUBES ARTICULÉ / *UNIVERSAL ROHRABSCHNEIDER* / TAGLIATUBI ARTICOLATO / *CORTA TUBOS ARTICULADO* / ТРУБОРЕЗ С ХОМУТНОЙ ЗАЩЕЛКОЙ



COD.	O.D. inch	O.D. mm	Kg		
63359	2-4	8,6	6,0	1	64196
63360	4-6		9,0		64197
63361	6-8		11		64198
63362	8-12		16		64199



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

ESCARIADORES / *REAMERS* / ALESOIR / *ENTGRATER* / SBAVATORI / *ESCARIADOR* / ЗЕНКОВКА

COD.		g			47 mm	26 mm
63371	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	90	20	●	64008	64447



NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

COD.		g			47 mm
63370	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	50	20	●	64008



COD.		g			47 mm
63368	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	10	20	●	64008



COD.		L (mm)	
64008	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	47	6



COD.		L (mm)	
64447	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	26	20



COD.		O.D. mm	O.D. inch	g		
63958	Cu, Acero, Plástico, Inox, Latón, Aluminio / *Cu, Steel, Plastic, Inox, Brass, Aluminum* / Cu, Acier, Plastique, Inox, Laiton, Aluminium	8-35	5/16-1.3/8	250	1	●
63959		10-54	1/2-2.1/8	500		



ESCARIADOR DE CHAFLANES / *CHAMFERBIT* / EBAVUREUR Á CHANFREINS / *ABSCHRÄGER* / SBAVATORE PER SMUSSI / *ESCARIADOR DE CHANFROS* / ЗЕНКОВКА С РУКОЯТКОЙ

COD.		MAX mm	Crestas / *Crests* / Crête	g	
63776	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	12,4	3	100	6
63777		25		120	



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS (M2)

FRESA CÓNICA / *CONIC MILLING TOOL* / FRAISE CONIQUE / *SCHAFTFRÄSER KONISCH* / FRESA CONICA / *FRESA CÓNICA* / КОНИЧЕСКАЯ ЗЕНКОВКА С РУКОЯТКОЙ

COD.		MAX mm	Crestas / *Crests* / Crête	g	
63778	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	10-34	6	150	6



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS

ESCARIADOR CÓNICO / *TAPER REAMER* / EBAVUREUR CONIQUE / *HANDREIBAHLEN* / SBAVATORE CONICO / *ESCARIADOR CÓNICO* / ЛЕНТОЧНАЯ ЗЕНКОВКА

COD.		MAX mm	Crestas / *Crests* / Crête	g	
63779	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	3-12	6	100	6
63780		10-25	8	120	



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS

RASQUETA / *SCRAPER* / RACLOIR / *ENTGRATER* / SPATOLA / *ESPÁTULA* / ШАБЕР

COD.		g			
63376	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	60	20	●	64449



COD.		Válido para / *Valid for* / Valable pour	L (mm)	
64449	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	63376	120	20



CEPILLOS PARA LIMPIEZA / *CLEANING BRUSHES* / BROSSE DE NETTOYAGE / *REINIGUNGSBÜRSTE* / SPAZZOLE / *ESCOVAS PARA LIMPIESA* / ЩЕТКИ ДЛЯ ЗАЧИСТКИ

COD.	CAP. Ø (inch)		g		
63206	1/2-3/4	INT./ EXT.	30	6	●



COD.	CAP. Ø (inch)		g		
63208	1/2	INT.	5	6	●



ABOCINADORES / *FLARING TOOLS* / APPAREIL À BATTRE LES COLLETS / *BÖRDELGERÄT* / FLANGIATUBI / *ABOCARDADORES* / РАЗВАЛЬЦОВКИ

KIT ABOCINADOR CONO EXCÉNTRICO CON CARRACA / *ECCENTRIC CONE FLARING TOOL KIT WITH RATCHET* / KIT DUDGEONNIERE EXCENTRIQUE À CLIQUET / *EXZENTRISCH BÖRDELGERÄT SATZ MIT RATSCHE* / KIT FLANGIATUBI A FRIZIONE CON CRICCHETTO / *KIT ABOCARDADOR CONE EXCÊNTRICO COM ROQUETE* / ВАЛЬЦОВКА ДЛЯ ТРУБ С ЭКСЦЕНТРИКОВЫМ ТРЕЩЕТОЧНЫМ МЕХАНИЗМОМ

COD.	O.D. mm	O.D. inch	90°	Kg	
57610	-	1/4, 3/8, 1/2, 5/8, 3/4		1,3	
57611		1/4, 5/16, 3/8, 1/2, 5/8, 3/4		1,4	
57612		1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4		1,5	
57613	6, 8, 10, 12, 15	-		1,3	
57614	6, 8, 10, 12, 16, 18		●	1,4	1
57615	6, 8, 10, 12, 14, 15, 16, 18			1,5	
57616	6, 8, 10, 12, 15	1/4, 3/8, 1/2, 5/8, 3/4		1,9	
57617	6, 8, 10, 12, 16, 18	1/4, 5/16, 3/8, 1/2, 5/8, 3/4		2,0	
57618	6, 8, 10, 12, 14, 15, 16, 18	1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4		2,2	



ABOCINADOR CONO EXCÉNTRICO CON CARRACA / *ECCENTRIC CONE FLARING TOOL WITH RATCHET* / DUDGEONNIERE EXCENTRIQUE À CLIQUET / *TAUMEL-BÖRDELGERÄT MIT RATSCHE* / FLANGIATUBI CON CRICCHETTO / *ABOCARDADOR CONE EXCÊNTRICO COM ROQUETE* / РАЗВАЛЬЦОВКА С ЭКСЦЕНТРИЧЕСКИМ КОНУСОМ С ТРЕЩЕТКОЙ

COD.	90°	Kg	
57603	●	0,8	1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Aluminio / *Aluminum* / Aluminium



REGLA PARA ABOCINAR / *RATCHET FLARING TOOL* / RÈGLE À DUDGEONNER / *MATRIZE FÜR BÖRDELGERÄT* / SLITTA PER FLANGIATUBI / *RÉGUA PARA ABOCARDADOR* / ВАЛЬЦОВКА ДЛЯ ТРУБ

COD.	O.D. mm	O.D. inch	90°	g	
57604	-	1/4, 3/8, 1/2, 5/8, 3/4		530	
57605		1/4, 5/16, 3/8, 1/2, 5/8, 3/4		600	
57606		1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4	●	680	1
57607	6, 8, 10, 12, 15	-		530	
57608	6, 8, 10, 12, 16, 18			600	
57609	6, 8, 10, 12, 14, 15, 16, 18			680	



EGA Master
ART IN INNOVATION

19

MÁQUINAS PARA TUBO
PIPING MACHINES
MACHINES POUR TUBE
ROHRBEARBEITUNGSMASCHINEN
MACCHINE PER TUBI
MÁQUINAS PARA TUBO
МАШИНЫ ДЛЯ ОБРАБОТКИ ТРУБ



LA NUEVA MÁQUINA "COMBI" PARA ROSCAR Y RANURAR TODO EN UNO
THE NEW "COMBI" MACHINE FOR THREADING AND ROLL-GROOVING ALL-IN-ONE
LA NOUVELLE MACHINE "COMBI" POUR FILETER ET RAINURER

1

Ranuradora hidráulica hasta 12", para ranurados de gran calidad en tubos de acero y acero inoxidable.

Hydraulic roll groover up to 12", for getting high quality grooves in steel and stainless steel pipes.

Rainureuse hydraulique jusqu'à 12", pour un rainurage de grande qualité des tubes acier et inox.

2

Especialmente diseñada para trabajos a domicilio por su formato compacto, robusto y fácil de transportar.

This machine is specially designed for job-site work due to its compact, strong and easy to transport format.

Spécialement conçue pour des travaux sur chantier, grâce à sa forme compacte, robuste et facile à transporter.

3

Disponible en 3 formatos, ranuradora manual, ranuradora hidráulica o roscadora, ofrece la posibilidad de convertirla de una en otra con la simple adquisición del accesorio complementario, con lo que se dispondra de ranuradora y roscadora en una sola máquina.

Available in 3 formats, manual roll groover, hydraulic roll grover or threading machine, offers the possibility to transform one into the other just by acquiring the required accessory, having at your disposal threading and roll-grooving functions in only one machine

Disponible en trois versions, rainureuse manuelle, rainureuse hydraulique ou filière, elle offre la possibilité de se convertir de l'une à l'autre, simplement par acquisition des accessoires complémentaires, ce qui vous permettra de posséder les deux en une.

4

El cambio de accesorios puede realizarse en pocos segundos, siendo así la operación de ranurado mucho más fácil.

Any accessory change-out can be accomplished in few seconds, making grooving operation much easier.

Les changements d'accessoires peuvent être réalisés en quelques secondes faciltant l'opération de rainurage.

RANUMATIC "COMBI" UNIVERSAL

Ranuradora hidráulica hasta 12", para ranurados de gran calidad en tubos de acero y acero inoxidable.

Hydraulic roll groover up to 12", for getting high quality grooves in steel and stainless steel pipes.

Rainureuse hydraulique 12", pour un rainurage de grande qualité de tubes d'acier et d'inox.



RANUMATIC UNIVERSAL MANUAL

Ranuradora manual hasta 6", para ranurados de gran calidad en tubos de acero y acero inoxidable.

Manual roll groover up to 6", for getting high quality grooves in steel and stainless steel pipes.

Rainureuse manuelle 6", pour un rainurage de grande qualité de tubes d'acier et d'inox.



ROSCAMATIC 2" COMBI

Máquina roscadora de tubos hasta 2" y barras hasta 39 mm con motor universal, para un roscado eficiente y seguro.

This threading machine can thread pipes up to 2" and bars up to 39 mm with universal motor in a safe and efficient way.

Filière de tubes jusqu'à 2" et barres de 39 mm avec un moteur universel, fait un filetage efficace et sûr.



MÁQUINAS DE PRENSADO RADIAL / *RADIAL PRESS FITTING MACHINES* / SERTISSEUSES / *RADIALPRESSE* / MACCHINA PRESS FITTING RADIAL / *MAQUINAS DE PRENSAR RADIAÍS* / РАДИАЛЬНЫЕ ПРЕССПИСТОЛЕТЫ

PRESSMATIC 54 (108) PORTABLE

La máquina de prensado radial Pressmatic 54 (108) Portable es compacta, manejable, muy ligera y portátil. El sistema de portatenazas giratoria permite acceder fácilmente a los lugares de más difícil acceso de forma cómoda e incluso a una sola mano. La rapidez de esta máquina se ve implementada por el sistema rápido de portamordazas, que permite un cambio eficiente y seguro de mordazas, así como por el sistema de retorno automático, que elimina tiempos muertos en las operaciones de prensado. Su batería de 18V, 3.0 Ah Li-ion le da una larga autonomía de uso en lugares sin red eléctrica.

Consulte en las siguientes páginas qué mordaza individual y universal con casquillos intercambiables debe seleccionar dependiendo del sistema de accesorios de prensar que vaya a emplear.

Portable Pressmatic pressfitting machine 54 (108) is compact, handy, light and portable. The revolving press jaw carrying system enables jobs in difficult places, in a comfortable way even one handed. The press jaw carrying system as well as the automatic reverse system make it extremely quick and safe, saving time and making the job more efficient. The 18V, 3.0 Ah Li-ion battery provides long autonomy in places without electricity.

Check the following pages to make the right choice of individual & universal with dies pressing jaw depending on the pressfitting system you may use.

La sertisseuse Pressmatic 54 (108) Portable est compacte, maniable, légère et portable. Le systéme de porte-machoîres pivotant , permet d'accéder facilement dans des coins éxigüs et d'une seule main . La vitesse de cette machine est complétée para un systéme rapide de porte-machoîres qui permet d'éviter les temps morts durant les opérations de sertissage . Sa batterie de 18V, 3.0 Ah Li-ion lui confére une grande autonomie dans les sites sans réseau électrique.

Veuillez consulter les pages suivantes afin de choisir la mâchoire individuelle ou universelle avec manchons interchangeables la plus adaptable au système d'accessoire à sertissage utilisé.



COD.	V	CAP. Ø (mm)	BAT.			Kg
57000	100-240V (50-60 Hz)	12-54 (108)	2 pcs	●	●	4,5

CE | 12M



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ZUBEHÖR* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	V	Kg
57001	Batería / *Battery* / Batterie	18V, 3.0 Ah Li-ion	0,5



COD.	Descripción / *Description* / Description	V	Kg
57002	Cargador / *Charger* / Chargeur	100-240 V (50-60 Hz)	1,0



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

PRESSMATIC PORTABLE CCA

La máquina de prensado radial Pressmatic Portable CCA es compacta, manejable, ligera y portátil. El sistema de portatenazas giratoria permite acceder fácilmente a los lugares de mas difícil acceso de forma cómoda e incluso a una sola mano. La rapidez de esta maquina se ve implementada por el sistema rápido de portamordazas, que permite un cambio eficiente y seguro de mordazas, así como por el sistema de retorno automático, que elimina tiempos muertos en las operaciones de prensado. Su batería de 12V, 2.0 Ah le da una larga autonomía de uso en lugares sin red eléctrica, teniendo la posibilidad de ser empleado con conexión a la red para lugares con acceso de red (accesorio opcional).

Consulte en las siguientes páginas qué mordaza debe seleccionar dependiendo del sistema de accesorios de prensar que vaya a emplear.

Pressmatic CCA pressfitting machine is compact, handy , light and portable. The revolving press jaw carrying system enables jobs in difficult places, in a comfortable way even one handed. The press jaw carrying system as well as the automatic reverse system make it extremely quick and safe, saving time and making the job more efficient. The 12V, 2.0 Ah battery provides long autonomy in places without electricity. An optional accessory also provides an electric plug connection where electricity is available.

Check the following pages to make the right choice of pressing jaws depending on the pres fitting system you may use.

La sertisseuse Pressmatic Portable CCA est compacte, maniable, légére et portable. Le systéme de porte-machoîres pivotant , permet d'accéder facilement dans des coins éxigüs et d'une seule main . La vitesse de cette machine est complétée para un systéme rapide de porte-machoîres qui permet d'éviter les temps morts durant les opérations de sertissage . Sa batterie de 12 Volts, 2.0 Ah lui confére une grande autonomie dans les sites sans réseau électrique et peut être connectée au réseau (Accessoire en option).

Consultez dans les pages suivantes, la machoîre á sélectionner suivant le systéme d'accessoires á utiliser.



COD.	V	CAP. Ø (mm)	BAT.			Kg
60196	220-240V (50-60 Hz)	10-76 (108)	●	●	●	4,5

CE 12M



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ZUBEHÖR* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	V	Kg
85000	Batería Li-Ion / *Li-Ion Battery* / Batterie Li-Ion	14,4 V, 5.0 Ah	0,5



COD.	Descripción / *Description* / Description	V	Kg
85009	Cargador rápido / *Quick charger* / Chargeur rapide	220-240 V (50-60 Hz) 65 W	0,5



COD.	Descripción / *Description* / Description	V	Kg
85010	Conexión / *Connection* / Connexion	220-240 V (50-60 Hz)	0,8



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

PRESSMATIC CCA

La máquina de prensado radial Pressmatic CCA es compacta, manejable y ligera. El sistema de portatenazas giratoria permite acceder fácilmente a los lugares de mas difícil acceso de forma cómoda e incluso a una sola mano. La rapidez de esta máquina se ve implementada por el sistema rápido de portamordazas, que permite un cambio eficiente y seguro de mordazas, así como por el sistema de retorno automático, que elimina tiempos muertos en las operaciones de prensado.

Consulte en las siguientes páginas qué mordaza debe seleccionar dependiendo del sistema de accesorios de prensar que vaya a emplear.

Pressmatic CCA pressfitting machine is compact, handy and light. The revolving press jaw carrying system enables jobs in difficult places, in a confortable way even one handed. The press jaw carrying system as well as the automatic reverse system make it extremely quick and safe, saving time and making the job more efficient.

Check the following pages to make the right choice of pressing jaws depending on the pres fitting system you may use.

La sertisseuse Pressmatic CCA est compacte, maniable et légére. Le systéme porte-machoîres pivotant permet d'accéder aisément dans les coins éxigüs de façon commode et d'une seule main . La rapidité de cette machine se voit confortée par un mécanisme rapide de porte-machoîres , qui permet un changement efficient et sûr des machoîres, ainsi que par le systéme de retour automatique qui élimine les temps morts durant les opérations de sertissage.

Consultez dans les pages suivantes, la machoîre á sélectionner suivant le systéme d'accessoires á utiliser.



COD.	V	CAP. Ø (mm)	W		Kg
60194	220-240 V (50-60 Hz)	10-76 (108)	450	●	5,0
60195	110-130 V (50-60 Hz)				

CE | 12M





12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

PRESSMATIC 54 (108) PORTABLE - PRESSMATIC PORTABLE CCA - PRESSMATIC CCA

MORDAZAS PARA PRENSADO RADIAL / *RADIAL PRESS FITTING TONGUES* / MACHOÎRES POUR RACCORDS / *RADIALPRESSZANGEN* / MORSA PER PRESS FITTING RADIAL / *MANDÍBULAS PARA PRENSAR RADIAÍS* / НАСАДКИ





Las mordazas de prensar EGA Master están fabricadas en acero especial forjado, con un endurecimiento especial que le confiere la maxima seguridad de prensado. Los contornos estan diseñados específicamente para cada sistema de accesorios, habiendo sido mecanizados en centros demecanizado de alta precision, presentando así tolerancias inferiores a los realizados por microfusión, ofreciendo la máxima fiabilidad de prensado con cualquier sistema de accesorios de prensar. Se utilizan con las máquinas de prensar Pressmatic. También son empleables por máquinas de otros fabricantes.

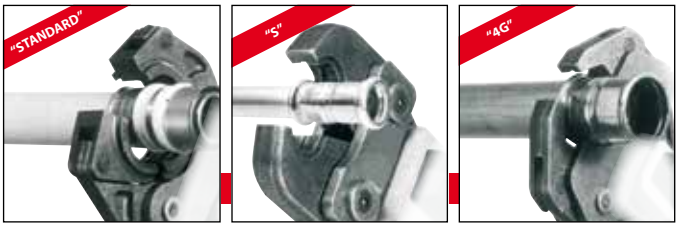
EGA Master pressing jaws are manufactured in special forging steel, being specially hardened. These features provide them with maximum working safety. Pressing contours are specificly designed for each pressing fitting system. They have been machined with high precision CNC machines, having much lower tolerances than microfusion, granting in this way maximum pressing reliability with any press fitting system. They are used with Pressmatic pressfitting machines. They can also be used in other manufacturers machines.

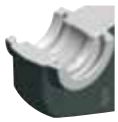
Les machoîres á sertir Egamaster sont fabriquées à partir d´un acier forgé spécial, avec une dureté qui lui confére une sécurité de sertissage maximum. Les contours sont concus spécifiquement pour chaque systéme d'accessoires, étant usinés dans des ateliers de grande precision, donnant de cette façon des tolerance inférieures á celles acquises par microfusion, garantissant le maximum de fiabilité du sertissage avec tous les systémes d' accessoires á sertir. Les machoîres sont utilisées avec les machines á sertir Pressmatic. Elles peuvent être aussi utilisées avec les machines d'autres fabricants.

Consulte en las siguientes páginas qué mordaza debe seleccionar dependiendo del sistema de accesorios de prensar que vaya a emplear.

Check the following pages to make the right choice of pressing jaws depending on the pres fitting system you may use.

Consultez dans les pages suivantes, la machoîre á sélectionner suivant le systéme d'accessoires á utiliser.



B		F		G		H	
KI		M		RFz		RN	
SA		TH		U		US	
V		VP		VX		VUS	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

PRESSMATIC 54 (108) PORTABLE - PRESSMATIC PORTABLE CCA - PRESSMATIC CCA

SYSTEM	COD.	TYPE
AC-FIX PRESS (Global Piping System)	68328	H 12
	68330	H 16
	68333	H 20
	68334	H 25
	68336	H 32
	68229	RFZ 12
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68446	VX 16
	68447	VX 20
AC-FIX PRESS-MULTI (Global piping Systems)	68330	H 16
	68332	H18
	68333	H20
	68334	H25
	68336	H32
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
AHLSELL A-press elförzinkad	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
AHSELL A-press koppar	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
AHSELL A-press rosfritt	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
AIRBEL PRESSCLIM	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
AIRBEL SERTINOX	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
ALB Sistema Multicapa	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50(S)
	68404	TH 63(S)
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68406	U 16
	68407	U 18
	68408	U 20
	68306	C 26
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
APE Raccordi a pressare	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68411	U 40
	68412	U 50
	68413	U 63 (63)
AP- presssystem	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
ASTM F 1807 (Fittings with Copper Crimp Ring for PEX tubing)	68418	US 3/8"
	68416	US 1.1/4"
	68417	US 1.1/2"
	68415	US 1"
	68420	US 1.1/4"
Bampi BALPEX (serie MP)	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)

SYSTEM	COD.	TYPE
BARBI EASYPRESS	68229	RFz 12
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
BARBI MULTIPLEX (Industrial Blansol)	68229	RFz 12
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
BEGETUBE/IVAR	68300	B 14
	68301	B 16
	68302	B 18
	68303	B 20
	68304	B 26
	68305	B 32
	68317	F 40
	68318	F 50
	68319	F 63 (S)
Beulco armatur ab VSH-press	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
BRASELI Pressfitting Multicapa	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
Brass Form Press Form Pex	68330	H 16
	68332	H 18
	68333	H 20
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68406	U 16
	68407	U 18
	68408	U 20
Brass Form Press Form Pex-Al-Pex	68330	H 16
	68332	H 18
	68333	H 20
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68406	U 16
	68407	U 18
	68408	U 20
BRASSTECH MULTItermoSAN Brasspress	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68406	U 16
	68407	U 18
	68408	U 20
BROEN BALLOFIX PRESS	68363	M 15
	68365	M 18
	68366	M 22
	68423	V 15
	68425	V 18
	68426	V 22
BUCCHI tech MP	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
Business Key MT-PRESS (inox)	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
CHIBRO pressfitting	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
CHIBRO pressfitting Gas	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
chronimo-SANHA-NiroSan-Presssystem	68379	SA 12
	68380	SA 14
	68381	SA 15
	68382	SA 16
	68383	SA 18

SYSTEM	COD.	TYPE
chronimo-SANHA-NiroSan-Presssystem	68384	SA 22
	68385	SA 28
	68386	SA 35
	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68421	V 12
	68422	V 14
	68431	VG 14
	68423	V 15
	68424	V 16
	68432	VG 16
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
CIMBERIO Spa Cimpress	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
CIMBERIO Spa Cimpress Gas	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Climatek Clima Therm	68337	H 40 (4G)
	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68348	H 40 A (4G)
ClouSet Press	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
Comap Sudopress Cu Visu-Control	68421	V 12
	68422	V 14
	68423	V 15
	68424	V 16
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Comap Sudopress Cu Visu-Control Gas	68422	V 14
	68423	V 15
	68424	V 16
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Comap Sudopress Cu Visu-Control Solar	68422	V 14
	68423	V 15
	68424	V 16
	68425	V 18
	68426	V 22
Comap PEXPress	68229	RFz 12
Comap SKINPress Visu-Control Gas	68394	TH 16
	68397	TH 20
	68400	TH 26
Comap SKINPress Visu-Control	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)

SYSTEM	COD.	TYPE
COMISA Evo Press System	68394	TH 16
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68329	H 14
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68300	B 14
	68301	B 16
	68302	B 18
	68303	B 20
	68304	B 26
	68305	B 32
COMISA Evo Press System Gas	68394	TH 16
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68329	H 14
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68300	B 14
	68301	B 16
	68302	B 18
	68303	B 20
	68304	B 26
	68305	B 32
CONEL CONNECT MULTI	68312	F 16
	68314	F 20
	68315	F 26
	68316	F 32
	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	(NW 26)U 25
	68410	U 32
Dalpex LaserMultiDalpex	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Danfoss SpeedUp FH Composite al	68406	U 16
	68408	U 20
Danfoss Basic FH Composite AL	68406	U 16
	68408	U 20
DiaNorm HKS Sitec Press	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
DIWAflex systems	68392	TH 14
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
DUOFIL MKSYSTEM	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
DW Verbundrohr multitubo systems	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
EFFEBI PRESSTIGE	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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SYSTEM	COD.	TYPE
EFFEBI TOF MULTIPINZA	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68312	F 16
	68313	F 18
	68314	F 20
	68315	F 26
	68316	F 32
	68317	F 40
	68318	F 50
	68319	F 63 (S)
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68306	C 26
	68410	U 32
	68301	B 16
	68302	B 18
	68303	B 20
	68304	B 26
	68305	B 32
Egeda Comisa	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
Egeda Baronio	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Elkhart XPRESS	68442	VUS 1.1/4"
	68444	VUS 1.1/2"
	68441	VUS 1"
	68440	VUS 3/4"
	68439	VUS 1/2"
	68443	VUS 2"
EMMETI GERPEX-FIVPRESS	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68301	B 16
	68303	B 20
	68304	B 26
	68305	B 32
EMPUR	68392	TH 14
	68393	TH 15
	68394	TH 16
	68395	TH 17
	68397	TH 20
	68398	TH 25
EUROTUBI Europa C-STAHL PRESSFITTING SISTEM	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
EUROTUBI INOX Europa INOX PRESSFITTING SYSTEM	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
FAR Rubinetterie PRESSFAR	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68329	H 14
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)

SYSTEM	COD.	TYPE
F.B.Q. BARONIO BQ press	68421	V 12
	68422	V 14
	68423	V 15
	68424	V 16
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
F.B.Q. BARONIO BQ press Carbon steel	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
F.B.Q. BARONIO BQ press Gas	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
FELSINEA TECH Felsineapress	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Fercofloor DUO Press MULTIFER	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
FILTUBE Filpress	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
FILTUBE Instalpress Carbon Steel	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
FILTUBE Instalpress Copper	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
FILTUBE Instalpress Inox	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Fimisol HAKAPRESS	68329	H 14
	68330	H 16
	68331	H 17
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68411	U 40
Fittings Estándar MULTICAPA	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
Fittings Estándar PE-X	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
FOHS HEIZTECHNIK FOHSPRESS	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68406	U 16
	68408	U 20
	68410	U 32
FRABO FRABOPRESS RAME (Cu)	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
FRABO FRABOPRESS RAME (Cu) Gas	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54

SYSTEM	COD.	TYPE
FRABO FRABOPRESS INOX 316	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
FRABO FRABOPRESS C-STEEL	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
FRABO FRABOPRESS C-STEEL GAS	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
FRABO FRABOPRESS MULTI-BRASS (MB)	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68406	U 16
	68408	U 20
FRABO FRABOPRESS MULTI-PLUS (MP)	68330	H 16
	68333	H 20
	68406	U 16
	68408	U 20
FRABO SOLARPRESS	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
Fränkische alpex-duo	68312	F 16
	68313	F 18
	68314	F 20
	68315	F 26
	68316	F 32
	68317	F 40
	68318	F 50
	68319	F 63 (S)
Fränkische alpex F50 PROFI	68312	F 16
	68314	F 20
	68315	F 26
	68316	F 32
	68406	U 16
	68408	U 20
	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68409	(NW 26)U25
	68410	U 32
Fränkische alpex-gas	68314	F 20
	68315	F 26
	68316	F 32
Fränkische alpex L	68317	F 40
	68318	F 50
	68319	F 63 (S)
FRIATHERM uni	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68411	U 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Gabo Systemtechnic	68389	TH 10
	68391	TH 12
	68392	TH 14
	68393	TH 15
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
GAROS	68392	TH 14
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
Geberit Mapress C-STAHL	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)

SYSTEM	COD.	TYPE
Geberit Mapress EDELSTAHL	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Geberit Mpress EDELSTAHL Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Geberit Mapress KUPFER	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Geberit Mapress KUPFER Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Geberit Mepla	68320	G 16
	68321	G 20
	68322	G 26
	68323	G 32
	68324	G 40
	68325	G 50
	68326	G 63 (S)
General Fittings Serie 5S00	68394	TH 16
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68330	H 16
	68332	H 18
	68333	H 20
	68334	H 25
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68406	U 16
	68407	U 18
	68408	U 20
	68410	U 32
	68411	U 40
	68412	U 50
Giacomini RP Multistrato	68392	TH 14
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68411	U 40
Giacomini GIACOFLEX	68392	TH 14
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68400	TH 26
Giacomini GIACOTHERM	68392	TH 14
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68400	TH 26
Giacomini R851VT/ R850VW	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Gibaco fittings COPPER C6000/B8000	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Gibaco fittings G-Flex-Press 5900	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

SYSTEM	COD.	TYPE
Gibaco fittings PRESS-INOX 2200	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Gibaco fittings PRESS-STEEL 2300	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Ginde Press Fitting for Ginde Multi-layer Pipe System	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
Global plastic Rothapress	68394	TH 16
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
GLOBAL TRADE aqualpress system	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
Golan Pipe Systems (Scandinavia) Alu-pres	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
GS Wärmesysteme System TH	68392	TH 14
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
GS Wärmensysteme System V	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
GSP Group USMetrix	68394	TH 16
	68397	TH 20
HAGOS	68394	TH 16
HakaGerodur HAKAPRESS	68327	H 11.5
	68329	H 14
	68330	H 16
	68331	H 17
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68411	U 40
HakaGerodur HAKASAN	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Harden 2000 Poly-Pex 2000	68392	TH 14
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Harden 2000 Plastic Press	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
HASTINIK Chibro Pressfitting	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Heima-press	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
HELIROMA klimapress	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)

SYSTEM	COD.	TYPE
Henco	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68349	HE 32
Henco Gas	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
Herotec Tempuss-press	68392	TH 14
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
Herz Pipefix	68389	TH 10
	68392	TH 14
	68393	TH 15
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
HITEC Sistema Multistrato	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
Hydro-Air Systems Hydro-Plumb Plus Pex	68418	US 3/8"
	68416	US 1.1/4"
	68417	US 1.1/2"
	68415	US 1"
	68420	US 1.1/4"
Hydro-Air Systems Hydro-Flex PEX-AL-PEX	68406	U 16 (1/2")
	68408	U 20 (5/8")
	68409	U 25 (3/4")
	68410	U 32(1/2")
IBP >B< press	68421	V 12
	68422	V 14
	68423	V 15
	68424	V 16
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
IBP >B< press GAS	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
IBP >B< press Inox	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
IBP >B< press Solar	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Idrosanitaria Bonomi Idropress	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
IDROSISTEMI Ta-Press	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68312	F 16
	68314	F 20
	68315	F 26
	68316	F 32
	68317	F 40
	68318	F 50
	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68408	U 20
	68410	U 32
	68301	B 16
	68303	B 20
	68304	B 26
	68305	B 32

SYSTEM	COD.	TYPE
IPAI IPANA-Press	68389	TH 10
	68390	TH 11.6
	68391	TH 12
	68392	TH 14
	68393	TH 15
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
IPALPEX (Industrie du Plastique et Accessoires)	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
ISOLTUBEX Multicapa	68411	U 40
	68412	U 50
	68413	U 63 (S)
ISOTUBI NUMEPRESS	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
IVAR ALPEX-GAS	68303	B 20
	68304	B 26
	68305	B 32
IVAR MULTIPRESS	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68312	F 16
	68313	F 18
	68314	F 20
	68315	F 26
	68316	F 32
	68317	F 40
	68318	F 50
	68319	F 63 (S)
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68306	C 26
	68410	U 32
	68301	B 16
	68302	B 18
	68303	B 20
	68304	B 26
	68305	B 32
IVAR IVAR-press	68300	B 14
	68301	B 16
	68302	B 18
	68303	B 20
	68304	B 26
	68305	B 32
	68317	F 40
	68318	F 50
	68319	F 63 (S)
Jager aquapress H	68329	H 14
	68330	H 16
	68331	H 17
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
Jäger Niropress Typ M	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Jaraflex-Presssystem	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
JUPITER Heizsysteme	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)

SYSTEM	COD.	TYPE
KAN KAN-therm	68406	U 16
	68408	U 20
	68306	C 26
	68409	U 25
	68410	U 32
	68411	U 40
	68403	TH 50 (S)
	68404	TH 63 (S)
KAN KAN-therm LBP	68406	U 16
	68408	U 20
	68409	U 25
	68306	C 26
	68410	U 32
	68411	U 40
	68403	TH 50 (S)
	68404	TH 63 (S)
KAN KAN-therm Inox	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
KAN KAN-therm Steel	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
KE KELIT KELIT KELOX	68406	U 16
	68407	U 18
	68408	U 20
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
KE KELIT steelFix C-Stahl	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
KE KELIT steelFix Edelstahl	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
KISAN Kisan Development (KD)	68357	KI 16
	68358	KI 20
	68359	KI 25
	68394	TH 16
	68397	TH 20
	68398	TH 25
KISAN Kisan WL	68357	KI 16
	68358	KI 20
	68359	KI 25
	68394	TH 16
	68397	TH 20
	68398	TH 25
KISAN Kisan WM	68357	KI 16
	68358	KI 20
	68359	KI 25
KISAN Kisan WT	68357	KI 16
	68358	KI 20
KISAN Kistal C	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
KISAN Kistal Inox	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
KME Q -tec	68392	TH 14
	68394	TH 16
	68397	TH 20
	68400	TH 26
KLIMAT Effetto Radiante	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68312	F 16
	68314	F 20
	68315	F 26
	68316	F 32
	68317	F 40
	68318	F 50
	68319	F 63 (S)
	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68301	B 16
	68303	B 20
	68304	B 26
	68305	B 32

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

SYSTEM	COD.	TYPE
Largo-Presssystem	68391	TH 12
	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
LECHAR ALCOBRAPEX	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
LECHAR COBRAPEX	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
LEGEND-PRESS press fitting system	68442	VUS 1.1/4"
	68444	VUS 1.1/2"
	68441	VUS 1"
	68440	VUS 3/4"
	68439	VUS 1/2"
	68443	VUS 2"
LK Systems >B<Press	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
LK Systems Universal	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Mair Heiztechnik Gomafix M	68327	H 11.5
	68329	H 14
	68330	H 16
	68333	H 20
Mair Heiztechnik Gomafix CU/E	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
Mair Heiztechnik M-Press	68327	H 11.5
	68329	H 14
	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68411	U 40
Mapress	68361	Geberit
Mark KG Polymark	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
Ma.s.ter System PRESSMASTER	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
MAXITUB MAXIPRESS	68374	RF 12
	68375	RF 16
	68376	RF 20
	68377	RF 25
MEGARO HAKAPRESS	68327	H 11.5
	68329	H 14
	68330	H 16
	68331	H 17
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68411	U 40
	68318	F 50
	68319	F 63 (S)
MEGARO MEGAPRESS	68301	B 16
	68303	B 20
	68304	B 26
	68305	B 32
	68317	F 40
	68318	F 50
	68319	F 63 (S)

SYSTEM	COD.	TYPE
METALGRUP MultiGrup	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
MULTITHERM-PRESSSYSTEM	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Multicapas Industrial multitubo systems MC	68406	U 16
	68407	U 18
	68411	U 40
	68412	U 50
	68413	U 63 (S)
Multicapas Industrial multitubo systems MM	68406	U 16
	68394	TH 16
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68330	H 16
	68333	H 20
	68334	H 25
	68335	H 26
	68336	H 32
NEUTHERM MEKUPRESS-HT	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68411	U 40
NIBCO (POL) NEXT-Heat	68330	H 16
	68333	H 20
	68334	H 25
	68336	H 32
	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
NIBCO (USA) Press System	68442	VUS 1.1/4"
	68444	VUS 1.1/2"
	68441	VUS 1"
	68440	VUS 3/4"
	68439	VUS 1/2"
	68443	VUS 2"
Nicoll Fluxo	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
N.T.M. WINNY-AL	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68329	H 14
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
NUPIPEGO Multinupi	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68306	C 26
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
Nussbaum Cupress	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Nussbaum Optiflex	68435	VP 16
	68436	VP 20
	68437	VP 25
	68438	VP 32

SYSTEM	COD.	TYPE
Nussbaum Optipress	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Nussbaum Optipress Gas	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Nussbaum Optipress-Therm	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
O.M.T. Heizungssystem	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
Oteraccordi Oter Tecno	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Oteraccordi Oter Tecno carbonio	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Oteraccordi Oter Tecno Gas	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Oventrop Cofit P	68341	H 16 A
	68344	H 20 A
	68346	H 26 A
	68347	H 32 A
	68412	U 50
	68413	U 63 (S)
PB TUB SERTIPRESS	68229	RFz 12
Pegler Yorkshire XPress Carbon	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Pegler Yorkshire XPress Copper	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Pegler Yorkshire XPress Copper Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Pegler Yorkshire Henco Multilayer Solutions	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
Pegler Yorkshire XPress Solar	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Pegler Yorkshire Xpress Stainless	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
PERFILTUBO PERFILALUPEX	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
PERFILTUBO PERFILPRESS	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Pietro Ravani S.p.A	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26

SYSTEM	COD.	TYPE
PIPELIFE RADOPRESS	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
PLASTICA ALFA Multypex	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68408	U 20
	68306	C 26
	68410	U 32
PLASTIC ALFA Multypex Air	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68408	U 20
	68306	C 26
	68410	U 32
PLASTIC ALFA Multypex plus	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68408	U 20
	68306	C 26
	68410	U 32
PLASTIC ALFA Multypex Thermo	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68408	U 20
	68306	C 26
	68410	U 32
PLASTIC ALFA Multypex Thermo Plus	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68406	U 16
	68408	U 20
	68306	C 26
	68410	U 32
PLOMYPLAS plomyPRESS plomyAIR	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
PLOMYPLAS plomypPRESS plomyGAS	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
PLOMYPLAS plomyPRESS plomyLAYER	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
PLOMYPLAS plomyPRESS plomyLAYER PEX	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
PLOMYPLAS plomyPRESS plomyPERT EVAL	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
PLOMYPLAS plomyPRESS plomyPEX	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
PLOMYPLAS plomyPRESS plomyPEX EVAL	68394	TH 16
	68397	TH 20
	68398	TH 25
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

SYSTEM	COD.	TYPE
POLYPIPE POLYPRESS	68312	F 16
	68314	F 20
	68315	F 26
	68316	F 32
	68317	F 40
	68318	F 50
	68319	F 63 (S)
POLYPIPE POLYSURE	68389	TH 10
	68393	TH 15
POLYSAN Handelges m.b.H & Co KG (Krems-Osterreich) POLYSAN-Press-System	68392	TH 14
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
POLYSAN Handelsges m.b.H & Co KG (Krems/Österreich) POLYSAN-EUROTUBI C-Stahl-press-System	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
POLYSAN Handelsges m.b.H & Co KG (Krems/Österreich) POLYSAN-EUROTUBI Edelstahl-Press-System	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
POLYSAN Handelsges m.b.H & Co KG (Krems/Österreich) POLYSAN-EUROTUBI Edelstahl-Press-System Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
POLYSAN (Espana) Rainbow	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
Prandelli Multyrama Pf	68329	H 14
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68411	U 40
	68412	U 50
Prandelli Multyrama Pfm	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68406	U 16
	68407	U 18
	68408	U 20
PRASKI BAVARIA-press	68389	TH 10
	68394	TH 16
	68395	TH 17
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
PURMO HKS Sitec Press	68392	TH 14
	68394	TH 16
	68395	TH 17
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
Raccorderie Metalliche inoxPRES	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Raccorderie Metalliche steelPRES	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
RBM Titafix	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Remo	68329	H 14
	68330	H 16
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)

SYSTEM	COD.	TYPE
RIFENG U PRESS FITTING (F5)	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
RIFENG TH PRESS FITTING (F9)	68394	TH 16
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
RIQUIER A SERTIR	68229	RFz 12
Rofix Rhino Pex	68406	U 16
	68408	U 20
	68410	U 32
	68397	TH 20
	68400	TH 26
	68401	TH 32
Roth	68238	RN 17
	68239	RN 20
	68281	RN 25
	68282	RN 32
Roth Nordic Alu-LaserPlus PressCheck (DKN-NOR-SWE-FIN)	68239	RN 20
	68281	RN 25/26
	68282	RN 32
Rubinetterie Bresciane Bonomi TURBO INOX	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Rubinetterie Bresciane Bonomi TURBO STEEL	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Rubinetterie Bresciane Bonomi TURBO PRESS	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Rubinetterie Bresciane Bonomi TURBO PRESS GAS	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
Sa.MI plastic	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
SANHA 3fit-PRESS Serie 25000	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68405	U 14
	68406	U 16
	68408	U 20
	68410	U 32
	68411	U 40
SANHA-Press Chrom Serie 16000	68379	SA 12
	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
SANHA-NiroSan-Presssystem Serie 9000	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54

SYSTEM	COD.	TYPE
SANHA-NiroSan-Presssystem Gas Serie 17000	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
SANHA-NiroSan-Presssystem Serie 19000 (sillcone free)	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
SANHA-Pressfittings Serie 6000/ Serie 8000	68379	SA 12
	68380	SA 14
	68381	SA 15
	68382	SA 16
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68421	V 12
	68422	V 14
	68431	VG 14
	68423	V 15
	68424	V 16
	68432	VG 16
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
SANHA-Pressfittings Gas Serie 10000/ Serie 11000	68379	SA 12
	68380	SA 14
	68381	SA 15
	68382	SA 16
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68421	V 12
	68422	V 14
	68431	VG 14
	68423	V 15
	68424	V 16
	68432	VG 16
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
SANHA-Pressfittings Solar Serie 12000/ Serie 13000	68379	SA 12
	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54

SYSTEM	COD.	TYPE
SANHA-Pressfittings Air Serie 14000/ Serie 15000	68379	SA 12
	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
SANHA-Pressfittings Industrie Serie 18000	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
SANHA PURAPRESS Serie 80000	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
SANHA-Therm Serie 24000	68379	SA 12
	68381	SA 15
	68383	SA 18
	68384	SA 22
	68385	SA 28
	68386	SA 35
	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Schlösser EUROPRESS-SYSTEM	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
SCHÜTZ EHT rOpress	68392	TH 14
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
Schwer AQUApress	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Seppelfrickle Sudopress Cu Visu-Control	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Seppelfrickle Sudopress Cu Visu-Control Gas	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098048
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SYSTEM	COD.	TYPE
Seppelfrickle Sudopress Cu Visu-Control Solar	68423	V 15
	68425	V 18
	68426	V 22
Seppelfrickle XPress copper	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Seppelfrickle XPress copper Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
Seppelfrickle XPress stainless	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Seppelfrickle XPress carbon	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Seppelfrickle Sudopress SKIN Visu-control	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Seppelfrickle HENCO PRESS	68394	TH 16
	68397	TH 20
	68400	TH 26
SESTA Sistema multistrato	68330	H 16
	68333	H 20
	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68406	U 16
	68408	U 20
SIKO TYPRO	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
SIKO TYROTHERM	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
SLOVARM PEX-THERM	68406	U 16
	68408	U 20
	68335	H 26
	68410	U 32
	68330	H 16
	68333	H 20
	68336	H 32
SOEMS sistema multistrato	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
SOEMS sistema rame e inox	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Standars Hidraúlica MultiStandard	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
STELBI POLIKRAFT	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)

SYSTEM	COD.	TYPE
System WELCO-Flex	68340	H 14 A
	68341	H 16 A
	68342	H 17 A
	68344	H 20 A
	68346	H 26 A
	68347	H 32 A
	68348	H 40 A (4G)
Systerm WELCO-Teck	68341	H 16 A
	68344	H 20 A
	68346	H 26 A
TERMICALINE Termipex	68301	B 16
	68303	B 20
	68304	B 26
	68305	B 32
	68330	H 16
	68333	H 20
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68406	U 16
	68408	U 20
TERSIA-Press	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
THERMAGAS Espace Espress	68392	TH 14
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
THERMOLUTZ acular, rapid	68329	H 14
	68330	H 16
	68331	H 17
THISA Thisa multiplus	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
THISA Thisa Pex	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
TIEMME COBRAPRESS	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
TKM Fellingsbro TKMPRESS	68329	H 14
	68330	H 16
	68331	H 17
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
TRA MULTISAPER	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
TRA TRAPRESS	68328	H 12
	68330	H 16
	68333	H 20
	68334	H 25
	68336	H 32
	68229	RFz 12
Tréfimétaux Qtec	68392	TH 14
	68394	TH 16
	68397	TH 20
Ulric VARIOFLEX-HAKAPRESS	68329	H 14
	68330	H 16
	68331	H 17
	68332	H 18
	68333	H 20
	68335	H 26
	68336	H 32
	68337	H 40 (4G)
UNICALAG MAX MULTIPEX	68406	U 16
	68408	U 20
	68335	H 26
	68410	U 32
UNIDELTA Deltall	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
	68329	H 14
	68330	H 16
	68332	H 18
	68333	H 20

SYSTEM	COD.	TYPE
UNIDELTA Deltall	68335	H 26
	68336	H 32
	68337	H 40 (4G)
	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
Uponor Unipipe	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
Uponor MLC	68411	U 40
	68412	U 50
	68413	U 63 (S)
Uponor MLC-D	68411	U 40
	68412	U 50
	68413	U 63 (S)
Valsir PEXAL	68329	H 14
	68330	H 16
	68333	H 20
	68335	H 26
Valsir PEXAL Gas	68329	H 14
	68330	H 16
	68333	H 20
	68335	H 26
Van Marcke Log. Tu-Bi-Pex	68394	TH 16
	68395	TH 17
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
Van Marcke Log. Tu-Bi-Press	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Variotherm System TH	68390	TH 11.6
	68394	TH 16
Viega Copatin	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Viega Pexfit Fosta	68446	VX 16
	68447	VX 20
Viega Pexfit Fosta G	68446	VX 16
	68447	VX 20
Viega Pexfit Plus	68445	VX 12
	68446	VX 16
	68447	VX 20
Viega Prestabo	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Viega Profipress	68421	V 12
	68431	VG 14
	68423	V 15
	68432	VG 16
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Viega Profipress G	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Viega Profipress S	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35

SYSTEM	COD.	TYPE
Viega Profipress Therm	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
Viega ProPress System (USA)	68442	VUS 1.1/4"
	68444	VUS 1.1/2"
	68441	VUS 1"
	68440	VUS 3/4"
	68439	VUS 1/2"
	68443	VUS 2"
Viega Sanfix Fosta	68435	VP 16
	68436	VP 20
	68437	VP 25
	68438	VP 32
Viega sanfix Plus	68435	VP 16
	68436	VP 20
Viega Sanpress	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Viega Sanpress Inox	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Viega Sanpress Inox G	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
Viessmann	68392	TH 14
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
V.I. Trade VITerm	68394	TH 16
	68396	TH 18
	68397	TH 20
	68398	TH 25
	68401	TH 32
VSH Flow Control VSH C-Press	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
VSH Flow Control VSH Cu-Press	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
VSH Flow Control VSH Cu-Press Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
VSH Flow Control VSH Cu-Press Solar	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
VSH Flow Control VSH KAN-therm	68405	U 14
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
VSH Flow Control VSH S-Press	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
VSH Fittings VSH KAN-therm	68405	U 14
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
VSH Fittings VSH Press Carbon	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
VSH Fittings VSH Press Copper	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
VSH Fittings VSH Press Copper Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

SYSTEM	COD.	TYPE
VSH Fittings VSH Press Copper Solar	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
VSH Fittings VSH Press Stainless	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
VSH Fittings Xpress Carbon	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
VSH Fittings Xpress Copper	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
VSH Fittings Xpress Copper Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
VSH Fittings Xpress Copper Solar	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
VSH Fittings Xpress Stainless	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
Walter Meier Metalplast	68406	U 16
	68407	U 18
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
	68413	U 63 (S)
Watts MTR Art Press	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
WATTS MTR RADIANT Watts WaterPEX	68418	US 3/8"
	68416	US 1.1/4"
	68417	US 1.1/2"
	68415	US 1"
	68420	US 1.1/4"
WATTS RADIANT Watts RadiantPEX	68418	US 3/8"
	68416	US 1.1/4"
	68417	US 1.1/2"
	68415	US 1"
	68420	US 1.1/4"
WATTS RADIANT Watts RadiantPEX-AL	68406	U 16 (1/2")
	68408	U 20 (5/8")
	68409	U 25 (3/4")
	68410	U 32 (1")
Wavin Tigris K1	68405	U 14
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
Wavin Tigris M1	68405	U 14
	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
Wavin K-press	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
Wavin TIGRIS ALUPEX	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
Wavin TIGRIS BLUE	68406	U 16
	68408	U 20
	68409	U 25
	68410	U 32
	68411	U 40
	68412	U 50
WeeConPress Cu	68421	V 12
	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54
WeeConPress Cu Gas	68423	V 15
	68425	V 18
	68426	V 22
	68427	V 28
	68428	V 35
	68429	V 42
	68430	V 54

SYSTEM	COD.	TYPE
WeeConPress C-Stahl	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
WeeConPress Inox	68361	M 12
	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
	68369	M 42 (4G)
	68370	M 54 (4G)
WeeConPress Inox Gas	68363	M 15
	68365	M 18
	68366	M 22
	68367	M 28
	68368	M 35
WeeConFlex MVR	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
WEFA PLASTIC WEFATHERM- PRESS	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
WEM	68330	H 16
	68406	U 16
WIELAND cuprotherm CTX	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
Winkler	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
WKS-Press	68392	TH 14
	68394	TH 16
	68395	TH 17
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
XtraConnect	68312	F 16
	68314	F 20
	68315	F 26
	68316	F 32
	68330	H 16
	68333	H 20
	68335	H 26
	68336	H 32
	68394	TH 16
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68406	U 16
	68408	U 20
	68409	(NW 26) U 25
	68410	U 32
Zetaesse Multistrato EUROPEX	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
Zetaesse Multistrato ISOPEX	68392	TH 14
	68394	TH 16
	68396	TH 18
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68405	U 14
	68406	U 16
	68407	U 18
	68408	U 20
Zetaesse Rame HydroSAN	68392	TH 14
	68394	TH 16
	68397	TH 20
	68405	U 14
	68406	U 16
	68408	U 20
Zetaesse Rame ThermoSan	68392	TH 14
	68394	TH 16
	68397	TH 20
	68405	U 14
	68406	U 16
	68408	U 20
ZEWOTHERM	68394	TH 16
	68395	TH 17
	68397	TH 20
	68400	TH 26
	68401	TH 32
	68402	TH 40
	68403	TH 50 (S)
	68404	TH 63 (S)
ZURN INDUSTRIES ZURN PEX	68418	US 3/8"
	68416	US 1.1/4"
	68417	US 1.1/2"
	68415	US 1"
	68420	US 1.1/4"

PRESSMATIC MINI PORTABLE

La máquina de prensado radial Pressmatic mini Portable es compacta, manejable, ligera y portátil. El sistema de portatenazas giratoria permite acceder fácilmente a los lugares de mas difícil acceso de forma cómoda e incluso a una sola mano. La rapidez de esta maquina se ve implementada por el sistema rápido de portamordazas, que permite un cambio eficiente y seguro de mordazas, así como por el sistema de retorno automático, que elimina tiempos muertos en las operaciones de prensado. Su batería de 14.4V, 1.65 Ah le da una larga autonomía de uso en lugares sin red eléctrica, teniendo la posibilidad de ser empleado con conexión a la red para lugares con acceso de red (accesorio opcional).

Consulte en las siguientes páginas qué mordaza debe seleccionar dependiendo del sistema de accesorios de prensar que vaya a emplear.

Pressmatic mini portable pressfitting machine is compact, handy , light and portable. The revolving press jaw carrying system enables jobs in difficult places, in a comfortable way even one handed. The press jaw carrying system as well as the automatic reverse system make it extremely quick and safe, saving time and making the job more efficient. The 14.4V, 1.65 Ah battery provides long autonomy in places without electricity. An optional accessory also provides an electric plug connection where electricity is available.

Check the following pages to make the right choice of pressing jaws depending on the pres fitting system you may use.

La machine á sertissage Radial Pressmatic mini Portable est compacte, maniable, légére et portable. Le systéme de porte-machoîres pivotant , permet d'accéder facilement dans des coins éxigüs et d'une seule main . La vitesse de cette machine est complétée para un systéme rapide de porte-machoîres qui permet d'éviter les temps morts durant les opérations de sertissage. Sa batterie de 14.4 Volts, 1.65 Ah lui confére une grande autonomie dans les sites sans réseau électrique et peut être connectée au réseau (accessoire en option).

Consultez dans les pages suivantes, la machoîre á sélectionner suivant le systéme d'accessoires á utiliser.





COD.	V	CAP. Ø (mm)	BAT.			Kg
60214	220-240 V (50-60 Hz)	10-40	●	●	●	2,5

CE I 12M



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ZUBEHÖR* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	V	Kg
85005	Batería Li-Ion / *Li-Ion Battery* / Batterie Li-Ion	14.4 V, 1.65 Ah	0,3



COD.	Descripción / *Description* / Description	V	Kg
85009	Cargador rápido / *Quick charger* / Chargeur rapide	220-240 V (50-60 Hz) 65 W	0,5



COD.	Descripción / *Description* / Description	V	Kg
85010	Conexión / *Connection* / Connexion	220-240 V (50-60 Hz)	0,8



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

MORDAZAS PARA PRENSADO RADIAL / *RADIAL PRESS FITTING TONGUES* / MACHOÎRES POUR RACCORDS / *RADIALPRESSZANGEN* / MORSA PER PRESS FITTING RADIAL / *MANDÍBULAS PARA PRENSAR RADIAÍS* / НАСАДКИ



Las mordazas de prensar EGA Master están fabricadas en acero especial forjado, con un endurecimiento especial que le confiere la maxima seguridad de prensado. Los contornos estan diseñados específicamente para cada sistema de accesorios, habiendo sido mecanizados en centros de mecanizado de alta precision, presentando así tolerancias inferiores a los realizados por microfusión, ofreciendo la máxima fiabilidad de prensado con cualquier sistema de accesorios de prensar. Se utilizan con las máquinas de prensar Pressmatic Mini. También son empleables por máquinas de otros fabricantes.

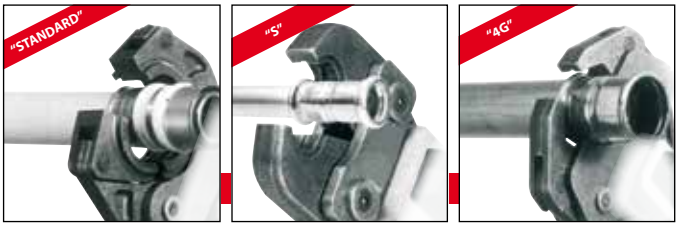
EGA Master pressing jaws are manufactured in special forging steel, being specially hardened. These features provide them with maximum working safety. Pressing contours are specificly designed for each pressing fitting system. They have been machined with high precision CNC machines, having much lower tolerances than microfusion, granting in this way maximum pressing reliability with any press fitting system. They are used with Pressmatic Mini pressfitting machines. They can also be used in other manufacturers machines.

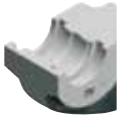
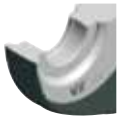
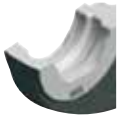
Les machoîres á sertir Egamaster sont fabriquées à partir d´un acier forgé spécial, avec une dureté qui lui confére une sécurité de sertissage maximum. Les contours sont concus spécifiquement pour chaque systéme d'accessoires, étant usinés dans des ateliers de grande precision, donnant de cette façon des tolerance inférieures á celles acquises par microfusion , garantissant le maximum de fiabilité du sertissage avec tous les systémes d' accessoires á sertir. Les machoîres sont utilisées avec les machines á sertir Pressmatic Mini. Elles peuvent être aussi utilisées avec les machines d'autres fabricants.

Consulte en las siguientes páginas qué mordaza debe seleccionar dependiendo del sistema de accesorios de prensar que vaya a emplear.

Check the following pages to make the right choice of pressing jaws depending on the pres fitting system you may use.

Consultez dans les pages suivantes, la machoîre á sélectionner suivant le systéme d'accessoires á utiliser.



ACz		B		F		G	
H		K		KI		M	
MT		RFz		RN		SA	
TH		U		UP		US	
V		VP		VX		VUS	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

PRESSMATIC MINI PORTABLE

SYSTEM	COD.	TYPE
AC-FIX PRESS (Global Piping Systems)	51359	H 12
	51361	H 16
	51364	H 20
	51365	H 25
	51367	H 32
	51401	RFz 12
	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51422	VX 16
	51423	VX 20
AC-FIX PRESS-MULTI (Global Piping Systems)	51361	H 16
	51363	H 18
	51364	H 20
	51365	H 25
	51367	H 32
	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
ACOME MT	51445	ACz 12
	51446	ACz 16
	51447	ACz 20
	51448	ACz 25
AHSELL A –press elförzinkad	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
AHSELL A –press koppar	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
AHSELL A –press rostfritt	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
AIRBEL PRESSCLIM	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
AIRBEL SERTINOX	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
ALB Sistema Multicapa	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
	51351	U 16
	51352	U 18
	51353	U 20
	51357	C 26
	51355	U 32
APE Raccordi a pressare	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
AP-Presssystem	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
ASTM F 1807 (Fittings with Copper Crimp Ring for PEX tubing)	51417	US 3/8"
	51418	US ½"
	51419	US ¾"
	51420	US 1"
Bampi BALPEX (serie MP)	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
BARBI EASYPRESS (Industrial Blansol)	51401	RFz 12
	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51361	H 16
	51363	H 18
	51364	H 20
	51361	H 26
	51367	H 32
BARBI MULTIPEX (Industrial Blansol)	51401	RFz 12
	51402	RFz 16
	51403	RFz 20
	51404	RFz 25

SYSTEM	COD.	TYPE
BARBI MULTIPEX (Industrial Blansol)	51405	RFz 32
	51361	H 16
	51363	H 18
	51364	H 20
	51361	H 26
	51367	H 32
BEGETUBE / IVAR	51391	B 14
	51392	B 16
	51393	B 18
	51394	B 20
	51395	B 26
	51396	B 32
BRASELI Pressfitting PE-X	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
BRASELI Pressfitting Multicapa	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
Brass Form Press Form Pex	51361	H 16
	51363	H 18
	51364	H 20
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51351	U 16
	51352	U 18
	51353	U 20
Brass & Fittings RETI-PRESS	51402	RFz 16
	51447	ACz 20
	51404	RFz 25
	51405	RFz 32
BRASSTECH MULTItermoSAN Brasspress	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
BUCCHI tech MP	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
Business Key MT-PRESS (inox)	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
CHIBRO pressfitting	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
CHIBRO pressfitting GAS	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Chronimo SANHA-Niro-SanPresssystem	51406	SA 12
	51407	SA 14
	51408	SA 15
	51409	SA 16
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51326	V 12
	51327	V 14
	51334	VG 14
	51328	V 15
	51329	V 16
	51335	VG 16
	51330	V 18
	51331	V 22
	51332	V 28
CIMBERIO SpA Cimpress	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
CIMBERIO SpA Cimpress Gas	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35

SYSTEM	COD.	TYPE
Climatek Clima Therm	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
ClouSet Press	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
Comap Sudopress Cu Visu-Control	51326	V 12
	51327	V 14
	51328	V 15
	51329	V 16
	51330	V 18
	51331	V 22
	51332	V 28
Comap Sudopress Cu Visu-Control Gas	51327	V 14
	51328	V 15
	51329	V 16
	51330	V 18
	51331	V 22
	51332	V 28
Comap Sudopress Cu Visu-Control Solar	51327	V 14
	51328	V 15
	51329	V 16
	51330	V 18
	51331	V 22
Comap PexPress	51401	RFz 12
	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
Comap SKINPress Visu-Control Gas	51341	TH 16
	51344	TH 20
	51346	TH 26
	51349	THL 32
Comap SKINPress Visu-Control	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51349	THL 32
COMISA Evo Press System	51341	TH 16
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
	51360	H 14
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
	51391	B 14
	51392	B 16
	51393	B 18
	51394	B 20
	51395	B 26
	51396	B 32
COMISA Evo Press System Gas	51341	TH 16
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
	51360	H 14
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
	51391	B 14
	51392	B 16
	51393	B 18
	51394	B 20
	51395	B 26
	51396	B 32
CONEL CONNECT MULTI	51386	F 16
	51388	F 20
	51389	F 26
	51390	F 32
	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25 (NW 26)
	51355	U 32
Danfoss SpeedUp FH Composite AL	51351	U 16
	51353	U 20
Danfoss Basic FH Composite AL	51351	U 16
	51353	U 20
Dalpex Laser Multi Dalpex	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40

SYSTEM	COD.	TYPE
Dia Norm HKS Sitec Press	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
DIWAflex systems	51339	TH 14
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
DUOFIL MKSYSTEM	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
DW Verbundrohr multitubo systems	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
EFFEBI PRESSTIGE	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
EFFEBI TOF MULTIPINZA	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51386	F 16
	51387	F 18
	51388	F 20
	51389	F 26
	51390	F 32
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51357	C 26
	51355	U 32
	51392	B 16
	51393	B 18
	51394	B 20
	51395	B 26
	51396	B 32
Egeda Comisa	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
Egeda Baronio	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
Elkhart XPRESS	51428	VUS ½"
	51429	VUS ¾"
	51430	VUS 1"
	51431	VUS 1¼"
EMMETI GERPEX-FIVPRESS	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51392	B 16
	51394	B 20
	51395	B 26
	51396	B 32
EMPUR	51339	TH 14
	51340	TH 15
	51341	TH 16
	51342	TH 17
	51344	TH 20
	51345	TH 25
EUROTUBI Europa C-STAHL PRESSFITTING SISTEM	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
EUROTUBI Europa INOX PRESSFITTING SISTEM	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
FAR Rubinetterie PRESSFAR	51339	TH 14
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
	51348	TH 40
	51360	H 14
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

SYSTEM	COD.	TYPE
FAR Rubinetterie PRESSFAR	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
F.B.Q. BARONIO BQ press	51326	V 12
	51327	V 14
	51328	V 15
	51329	V 16
	51330	V 18
	51331	V 22
	51332	V 28
F.B.Q. BARONIO BQ press carbon steel	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
F.B.Q. BARONIO BQ press Gas	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
FELSINEA TECH Felsineapress	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
Fercofloor DUO Press FERCO PEX	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
Fercofloor DUO Press MULTIFER	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
FILTUBE Instalpress Carbon Steel	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
FILTUBE Instalpress Copper	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
FILTUBE Instalpress Inox	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Fimisol HAKAPRESS	51360	H 14
	51361	H 16
	51362	H 17
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
Fittings Estándar ECO-PRESS	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
Fittings Estándar MULTICAPA	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
Fittings Estándar PE-X	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
FOHS HEIZTECHNIK FOHSPRESS	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51351	U 16
	51353	U 20
	51355	U 32
FRABO FRABOPRESS RAME (Cu)	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
FRABO FRABOPRESS INOX 316	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28

SYSTEM	COD.	TYPE
FRABO FRABOPRESS C-STEEL	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
FRABO FRABOPRESS C-STEEL GAS	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
FRABO FRABOPRESS MULTI-BRASS (MB)	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51351	U 16
	51353	U 20
FRABO FRABOPRESS MULTI-PLUS (MP)	51361	H 16
	51364	H 20
	51351	U 16
	51353	U 20
FRABO SOLARPRESS	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
Fränkische alpex-duo	51386	F 16
	51387	F 18
	51388	F 20
	51389	F 26
	51390	F 32
Fränkische alpex F50 PROFI	51386	F 16
	51388	F 20
	51389	F 26
	51390	F 32
	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25 (NW26)
	51355	U 32
Fränkische alpex-Gas	51388	F 20
	51389	F 26
	51390	F 32
FRIATHERM uni	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
Gabo Systemtechnik	51336	TH 10
	51338	TH 12
	51339	TH 14
	51340	TH 15
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
GAROS	51339	TH 14
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
Geberit Mapress C-STAHL	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Geberit Mapress EDELSTAHL	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Geberit Mapress EDELSTAHL Gas	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Geberit Mapress KUPFER	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Geberit Mapress KUPFER Gas	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Geberit Mepla	51381	G 16
	51382	G 20
	51383	G 26
	51384	G 32
	51385	G 40
General Fittings Serie 5S00	51341	TH 16
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
	51348	TH 40
	51361	H 16
	51363	H 18
	51364	H 20
	51365	H 25
	51366	H 26

SYSTEM	COD.	TYPE
General Fittings Serie 5S00	51367	H 32
	51351	U 16
	51352	U 18
	51353	U 20
	51355	U 32
	51356	U 40
Giacomini RP Multistrato	51339	TH 14
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51349	THL 32
Giacomini GIACOFLEX	51339	TH 14
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51349	THL 32
Giacomini GIACOTHERM	51339	TH 14
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51349	THL 32
Giacomini R851VT/ R850VW	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Gibaco fittings COPPER C6000/B8000	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Gibaco fittings G-Flex-Press 5900	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
Gibaco fittings PRESS-INOX 2200	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Gibaco fittings PRESS-STEEL 2300	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Ginde Press Fitting for Ginde Multi-layer Pipe System	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
Global Plastic Rothapress	51341	TH 16
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51347	TH 32
	51348	TH 40
GLOBAL TRADE Aqualpress system	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
Golan Pipe Systems (Scandinavia) Alu-Pres	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
GS Wärmesysteme System TH	51339	TH 14
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
GS Wärmesysteme System V	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
GSP Group USMetrix	51341	TH 16
	51344	TH 20
HAGOS	51341	TH 16
HakaGerodur HAKAPRESS	51358	H 11,5
	51360	H 14
	51361	H 16
	51362	H 17
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32

SYSTEM	COD.	TYPE
HakaGerodur HAKASAN	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
Harden 2000 Poly-Pex 2000	51339	TH 14
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51349	THL 32
	51348	TH 40
Harden 2000 Plastic-Press 2000	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
HASTINIK Chibro Pressfitting	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Heima-press	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
HELIROMA klimapress	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
HELIROMA romapress	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
Henco	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
Henco Gas	51341	TH 16
	51344	TH 20
	51346	TH 26
Herotec Tempuss-press	51339	TH 14
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
Herz pipefix	51336	TH 10
	51339	TH 14
	51340	TH 15
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
	51348	TH 40
HITEC Sistema Multistrato	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
Hydro-Air Systems Hydro-Plumb Plus PEX	51417	US 3/8"
	51418	US ½"
	51419	US ¾"
	51420	US 1"
Hydro-Air Systems Hydro-Flex PEX-AL-PEX	51351	U 16 (½")
	51353	U 20 (5/8")
	51354	U 25 (¾")
	51355	U 32 (1")
IBP >B< Flex	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
IBP >B <Press Gas	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
IBP >B <Press Inox	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
IBP >B <Press Solar	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
Idrosanitaria Bonomi Idropress	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
IDROSISTEMI Ta-Press	51341	TH 16
	51344	TH 20

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

SYSTEM	COD.	TYPE
	51346	TH 26
	51347	TH 32
	51386	F 16
	51388	F 20
	51389	F 26
	51390	F 32
	51361	H 16
IDROSISTEMI	51364	H 20
Ta-Press	51366	H 26
	51367	H 32
	51351	U 16
	51353	U 20
	51355	U 32
	51392	B 16
	51394	B 20
	51395	B 26
	51396	B 32
	51336	TH 10
	51337	TH 11,6
	51338	TH 12
	51339	TH 14
	51340	TH 15
	51341	TH 16
IPA IPANA-Press	51342	TH 17
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51439	TH 28
	51347	TH 32
	51348	TH 40
	51339	TH 14
IPALPEX	51341	TH 16
(Industrie du	51343	TH 18
Plastique et	51344	TH 20
Accessoires)	51346	TH 26
	51349	THL 32
IPLEX PIPELINES AUSTRALIA Iplex Pro-fit	51440	K 16/P18
IPLEX PIPELINES	51440	K 16/P18
AUSTRALIA	51441	K/20
Iplex K1	51442	K/25
(Gas)	51443	K1/32
	51444	K1/40
IPLEX PIPELINES	51440	K 16/P18
AUSTRALIA	51441	K/20
Iplex K2	51442	K/25
	51321	M 15
ISOTUBI	51322	M 18
NUMEPRESS	51323	M 22
	51324	M 28
	51325	M 35
IVAR	51394	B 20
ALPEX-GAS	51395	B 26
	51396	B 32
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51386	F 16
	51387	F 18
	51388	F 20
	51389	F 26
	51390	F 32
	51361	H 16
	51363	H 18
IVAR	51364	H 20
MULTIPRESS	51366	H 26
	51367	H 32
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51357	C 26
	51355	U 32
	51392	B 16
	51393	B 18
	51394	B 20
	51395	B 26
	51396	B 32
	51391	B 14
	51392	B 16
IVAR	51393	B 18
IVAR-PRESS	51394	B 20
	51395	B 26
	51396	B 32
	51360	H 14
	51361	H 16
	51362	H 17
Jäger	51363	H 18
aquapress H	51364	H 20
	51366	H 26
	51367	H 32
	51356	U 40
	51321	M 15
Jäger	51322	M 18
Niropress Typ M	51323	M 22
	51324	M 28
	51325	M 35
	51339	TH 14
	51341	TH 16
	51343	TH 18
Jaraflex-	51344	TH 20
Presssystem	51346	TH 26
	51347	TH 32
	51348	TH 40

SYSTEM	COD.	TYPE
	51351	U 16
JUPITER	51353	U 20
Heizsysteme	51354	U 25
	51355	U 32
	51351	U 16
	51353	U 20
KAN	51354	U 25
KAN-therm	51357	C 26
	51355	U 32
	51356	U 40
	51351	U 16
	51353	U 20
KAN	51354	U 25
KAN-therm LBP	51357	C 26
	51355	U 32
	51356	U 40
KAN	51321	M 15
KAN-therm	51322	M 18
Inox	51323	M 22
	51324	M 28
KAN	51321	M 15
KAN-therm	51322	M 18
Steel	51323	M 22
	51324	M 28
	51351	U 16
	51352	U 18
KE KELIT	51353	U 20
KELIT KELOX	51354	U 25
	51355	U 32
	51356	U 40
	51321	M 15
KE KELIT	51322	M 18
SteelFIX	51323	M 22
C-Stahl	51324	M 28
	51325	M 35
	51321	M 15
KE KELIT	51322	M 18
steelFIX	51323	M 22
Edelstahl	51324	M 28
	51325	M 35
KISAN	51413	KI 16
	51414	KI 20
Kisan	51415	KI 25
Development (KD)	51341	TH 16
	51344	TH 20
	51345	TH 25
	51413	KI 16
	51414	KI 20
	51415	KI 25
KISAN	51416	KI 32
Kisan WL	51341	TH 16
	51344	TH 20
	51345	TH 25
	51413	KI 16
KISAN	51414	KI 20
Kisan WM	51415	KI 25
	51416	KI 32
KISAN	51413	KI 16
Kisan WT	51414	KI 20
	51321	M 15
KISAN	51322	M 18
Kistal C	51323	M 22
	51324	M 28
	51321	M 15
KISAN	51322	M 18
Kistal Inox	51323	M 22
	51324	M 28
	51339	TH 14
KME Q-tec	51341	TH 16
	51344	TH 20
	51346	TH 26
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51386	F 16
	51388	F 20
	51389	F 26
	51390	F 32
	51361	H 16
KLIMAT	51364	H 20
Effetto Radiante	51366	H 26
	51367	H 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51392	B 16
	51394	B 20
	51395	B 26
	51396	B 32
	51338	TH 12
	51339	TH 14
Largo-	51341	TH 16
Presssytem	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51341	TH 16
LECHAR	51344	TH 20
ALCOBRAPEX	51346	TH 26
	51347	TH 32
	51348	TH 40
	51351	U 16
LECHAR	51353	U 20
COBRAPEX	51354	U 25
	51355	U 32

SYSTEM	COD.	TYPE
	51428	VUS ½"
LEGEND-PRESS	51429	VUS ¾"
press fitting	51430	VUS 1"
system	51431	VUS 1¼"
	51326	V 12
	51328	V 15
LK Systems	51330	V 18
>B<Press	51331	V 22
	51332	V 28
	51333	V 35
	51341	TH 16
	51344	TH 20
LK Systems	51345	TH 25
Universal	51347	TH 32
	51348	TH 40
	51320	M 12
Mair Heiztechnik	51321	M 15
Gomafix Cu/E	51322	M 18
	51323	M 22
	51358	H 11,5
Mair Heiztechnik	51360	H 14
Gomafix M	51361	H 16
	51364	H 20
	51358	H 11,5
	51360	H 14
Mair Heiztechnik	51361	H 16
M-Press	51364	H 20
	51366	H 26
	51367	H 32
Marpress	51322	M 18
	51341	TH 16
Mark KG	51344	TH 20
Polymark	51346	TH 26
	51347	TH 32
	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
	51361	H 16
Ma.s.ter System	51363	H 18
PRESSMASTER	51364	H 20
	51366	H 26
	51367	H 32
	51350	U 14
	51346	TH 26
	51347	TH 32
	51353	U 20
	51354	U 25
	51355	U 32
	51401	RFz 12
MAXITUB	51402	RFz 16
MAXIPRESS	51403	RFz 20
	51404	RFz 25
	51358	H 11,5
	51360	H 14
	51361	H 16
	51362	H 17
MEGARO	51363	H 18
HAKAPRESS	51364	H 20
	51366	H 26
	51367	H 32
	51392	B 16
MEGARO	51394	B 20
MEGAPRESS	51395	B 26
	51396	B 32
	51402	RFz 16
METALGRUP	51403	RFz 20
PexGrup	51404	RFz 25
	51405	RFz 32
	51351	U 16
METALGRUP	51352	U 18
MultiGrup	51353	U 20
	51354	U 25
	51355	U 32
	51341	TH 16
	51343	TH 18
MULTITHERM	51344	TH 20
PRESSSYSTEM	51346	TH 26
	51347	TH 32
	51348	TH 40
	51351	U 16
Multicapas	51352	U 18
Industrial	51425	MT 20
multitubo systems	51426	MT 25
MC	51427	MT 32
	51356	U 40
	51351	U 16
	51425	MT 20
	51426	MT 25
	51427	MT 32
	51341	TH 16
	51344	TH 20
	51345	TH 25
Multicapas	51346	TH 26
Industrial	51347	TH 32
multitubo systems	51402	RFz 16
MM	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51361	H 16
	51364	H 20
	51365	H 25
	51366	H 26
	51367	H 32

SYSTEM	COD.	TYPE
	51361	H 16
NEUTHERM	51364	H 20
MEKUPRESS-HT	51366	H 26
	51367	H 32
	51361	H 16
	51364	H 20
	51365	H 25
	51367	H 32
	51341	TH 16
NIBCO (POL)	51344	TH 20
NEXT-Heat	51345	TH 25
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51360	H 14
	51361	H 16
N.T.M	51363	H 18
WINNY-AL	51364	H 20
	51366	H 26
	51367	H 32
	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51428	VUS ½"
NIBCO (USA)	51429	VUS ¾"
Press System	51430	VUS 1"
	51431	VUS 1¼"
	51339	TH 14
	51341	TH 16
	51343	TH 18
Nicoll Fluxo	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
	51321	M 15
NIROTEC	51322	M 18
PRESSFITTING	51323	M 22
	51324	M 28
	51350	U 14
	51351	U 16
	51352	U 18
NUPIGECO	51353	U 20
Multinupi	51357	C 26
	51355	U 32
	51356	U 40
	51326	V 12
	51328	V 15
Nussbaum	51330	V 18
Cupress	51331	V 22
	51332	V 28
	51333	V 35
	51397	VP 16
Nussbaum	51398	VP 20
Optiflex	51399	VP 25
	51400	VP 32
	51328	V 15
	51330	V 18
Nussbaum	51331	V 22
Optipress	51332	V 28
	51333	V 35
	51328	V 15
Nussbaum	51330	V 18
Optipress Gas	51331	V 22
	51332	V 28
	51328	V 15
	51330	V 18
Nussbaum	51331	V 22
Optipress-Therm	51332	V 28
	51333	V 35
	51361	H 16
O.M.T.	51364	H 20
Heizungssystem	51366	H 26
	51367	H 32
	51320	M 12
	51321	M 15
Oteraccordi	51322	M 18
Oter Tecno	51323	M 22
	51324	M 28
	51325	M 35
	51320	M 12
Oteraccordi	51321	M 15
Oter Tecno	51322	M 18
carbonio	51323	M 22
	51324	M 28
	51325	M 35
	51320	M 12
	51321	M 15
Oteraccordi	51322	M 18
Oter Tecno Gas	51323	M 22
	51324	M 28
	51325	M 35
	51369	H 16 A
Oventrop Cofit P	51371	H 20 A
	51372	H 26 A
	51373	H 32 A

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

SYSTEM	COD.	TYPE
PB TUB SERTIPRESS	51401	RFz 12
	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
Pegler Yorkshire XPress Carbon	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Pegler Yorkshire XPress Copper	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Pegler Yorkshire XPress Copper Gas	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Pegler Yorkshire Henco Multilayer Solutions	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
Pegler Yorkshire XPress Solar	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Pegler Yorkshire XPress Stainless	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
PERFILTUBO PERFILALUPEX	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
PERFILTUBO PERFILPRESS	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
PEXTUBE PexTube	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
Pietro Ravani S.p.A.	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
PIPELIFE-RADOPRESS	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
PLASTICA ALFA Multypex	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51351	U 16
	51353	U 20
	51357	C 26
	51355	U 32
PLASTICA ALFA Multypex Air	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51351	U 16
	51353	U 20
	51357	C 26
	51355	U 32
PLASTICA ALFA Multypex Plus	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51351	U 16
	51353	U 20
	51357	C 26
	51355	U 32
PLASTICA ALFA Multypex Thermo	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51351	U 16
	51353	U 20
	51357	C 26
	51355	U 32
PLASTICA ALFA Multypex Thermo Plus	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51351	U 16
	51353	U 20
	51357	C 26
	51355	U 32

SYSTEM	COD.	TYPE
PLÁSTICOS FERRO FERROPLAST Pressfitting PE-X	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
PLOMYPLAS PlomyPRESS plomyAIR	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51341	TH 16
	51344	TH 20
	51345	TH 25
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
PLOMYPLAS plomyPRESS plomyGAS	51341	TH 16
	51344	TH 20
	51345	TH 25
	51347	TH 32
PLOMYPLAS plomyPRESS plomyLAYER	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51341	TH 16
	51344	TH 20
	51345	TH 25
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
PLOMYPLAS plomyPRESS plomyLAYER PEX	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51341	TH 16
	51344	TH 20
	51345	TH 25
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
PLOMYPLAS plomyPRESS plomyPERT EVAL	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51341	TH 16
	51344	TH 20
	51345	TH 25
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
PLOMYPLAS plomyPRESS plomyPEX	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51341	TH 16
	51344	TH 20
	51345	TH 25
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
PLOMYPLAS plomyPRESS plomyPEX EVAL	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51341	TH 16
	51344	TH 20
	51345	TH 25
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
POLYPIPE POLYPRESS	51386	F 16
	51388	F 20
	51389	F 26
	51390	F 32
POLYPIPE POLYSURE	51336	TH 10
	51340	TH 15
	51438	TH 22
	51439	TH 28
POLYSAN Handelsges. m.b.H. & Co KG (Krems/Öster-reich) POLYSAN-Press-System	51339	TH 14
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51349	THL 32
	51348	TH 40
POLYSAN Handelsges. m.b.H. & Co KG (Krems/Öster-reich) POLYSAN-EUROTUBI C-Stahl-Press-System	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
POLYSAN Handelsges. m.b.H. & Co KG (Krems/Öster-reich) POLYSAN-EUROTUBI Edelstahl-Press-System	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
POLYSAN Handelsges. m.b.H. & Co KG (Krems/Öster-reich) POLYSAN-EUROTUBI Edelstahl-Press-System Gas	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35

SYSTEM	COD.	TYPE
POLYSAN (España) Rainbow	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
Prandelli Multyrama Pf	51360	H 14
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
Prandelli Multyrama Pfm	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51351	U 16
	51352	U 18
	51353	U 20
PRASKI BAVARIA-press	51336	TH 10
	51341	TH 16
	51342	TH 17
	51344	TH 20
	51346	TH 26
	51347	TH 32
PURMO HKS Sitec Press	51339	TH 14
	51341	TH 16
	51342	TH 17
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
Raccorderie Metalliche inoxPRES	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Raccorderie Metalliche steelPRES	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
RBM Titafix	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
Remo	51360	H 14
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
RIFENG U PRESS FITTING (F5)	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
RIFENG TH PRESS FITTING (F9)	51341	TH 16
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
RIQUIER A SERTIR	51401	RFz 12
	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
Rofix Rhino PEX	51351	U 16
	51353	U 20
	51355	U 32
	51344	TH 20
	51346	TH 26
	51347	TH 32
Roth	51375	RN 14
	51377	RN 17
	51378	RN 20
	51379	RN 25/26
	51380	RN 32
Roth Nordic Alu-LaserPlus/ PressCheck (DNK-NOR-SWE-FIN)	51376	RN 16
	51378	RN 20
	51379	RN 25/26
	51380	RN 32
Rubinetterie Bresciane Bonomi TURBO INOX	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Rubinetterie Bresciane Bonomi TURBO STEEL	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Rubinetterie Bresciane Bonomi TURBO PRESS	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32

SYSTEM	COD.	TYPE
Rubinetterie Bresciane Bonomi TURBO PRESS GAS	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
SA.MI plastic	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
SANHA 3fit-Press Serie 25000	51339	TH 14
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
	51350	U 14
	51351	U 16
	51353	U 20
	51355	U 32
	51356	U 40
SANHA-Press Chrom Serie 16000	51406	SA 12
	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA-NiroSan-Presssystem Serie 9000	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA-NiroSan-Presssystem Serie 19000 (silicone free)	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA-NiroSan-Presssystem Gas Serie 17000	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA-Pressfittings Serie 6000/ Serie 8000	51406	SA 12
	51407	SA 14
	51408	SA 15
	51409	SA 16
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51326	V 12
	51327	V 14
	51334	VG 14
	51328	V 15
	51329	V 16
	51335	VG 16
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

SYSTEM	COD.	TYPE
SANHA-Pressfittings Gas Serie 10000/ Serie 11000	51406	SA 12
	51407	SA 14
	51408	SA 15
	51409	SA 16
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51326	V 12
	51327	V 14
	51334	VG 14
	51328	V 15
	51329	V 16
	51335	VG 16
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA-Pressfittings Solar Serie 12000/ Serie 13000	51406	SA 12
	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA-Pressfittings Air Serie 14000/ Serie 15000	51406	SA 12
	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA-Pressfittings Industrie Serie 18000	51406	SA 12
	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA PURAPRESS Serie 80000	51406	SA 12
	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
SANHA-Therm Serie 24000	51406	SA 12
	51408	SA 15
	51410	SA 18
	51411	SA 22
	51412	SA 28
	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35

SYSTEM	COD.	TYPE
Schlösser EUROPRESS-SYSTEM	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
SCHÜTZ EHT rOpress	51339	TH 14
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
Schwer AQUApress	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Seppelfricke Sudopress Cu Visu-Control	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
Seppelfricke Sudopress Cu Visu-Control Gas	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
Seppelfricke Sudopress Cu Visu-Control Solar	51328	V 15
	51330	V 18
	51331	V 22
Seppelfricke Xpress copper	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Seppelfricke Xpress copper Gas	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Seppelfricke Xpress stainless	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Seppelfricke Xpress carbon	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
Seppelfricke Sudopress SKIN Visu-control	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51349	THL 32
Seppelfricke HENCO PRESS	51341	TH 16
	51344	TH 20
	51346	TH 26
SESTA Sistema multistrato	51361	H 16
	51364	H 20
	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
	51351	U 16
	51353	U 20
SIKO TYPRO	51361	H 16
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
SIKO TYROTHERM	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
SLOVARM PEX-THERM	51351	U 16
	51353	U 20
	51366	H 26
	51355	U 32
	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
SOEMS sistema multitrato	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51349	THL 32
SOEMS sistema rame e inox	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28

SYSTEM	COD.	TYPE
Standard Hidráulica MultiStandard	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
STELBI POLIKRAFT	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
SURE HISPANIA SURE-PRESS	51446	Acz 16
	51447	Acz 20
	51448	Acz 25
	51405	RFz 32
System WELCO-Flex	51368	H 14 A
	51369	H 16 A
	51370	H 17 A
	51371	H 20 A
	51372	H 26 A
	51373	H 32 A
System WELCO-Teck	51369	H 16 A
	51371	H 20 A
	51372	H 26 A
TERMICALINE Termipex	51392	B 16
	51394	B 20
	51395	B 26
	51396	B 32
	51361	H 16
	51364	H 20
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51351	U 16
	51353	U 20
TermoConcept TC-PRESS	51449	Basic E01[2)]
TERSIA-Press	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
THERMAGAS Espace Espress	51339	TH 14
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
THERMOLUTZ acular / rapid	51360	H 14
	51361	H 16
	51362	H 17
THISA Thisa multiplus	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
THISA Thisa Pex	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
TIEMME COBRAPRESS	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51346	TH 26
	51347	TH 32
	51349	THL 32
	51348	TH 40
TIEMME Serie 1700 PE-X a pressare	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
TKM Fellingsbro TKMPRESS	51360	H 14
	51361	H 16
	51362	H 17
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
TRA MULTISAPER	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40

SYSTEM	COD.	TYPE
TRA TRAPRESS	51359	H 12
	51361	H 16
	51364	H 20
	51354	H 25
	51367	H 32
	51401	RFz 12
	51402	RFz 16
	51403	RFz 20
	51404	RFz 25
	51405	RFz 32
Tréfimétaux Qtec	51339	TH 14
	51341	TH 16
	51344	TH 20
Ulrich VARIOFLEX-HAKAPRESS	51360	H 14
	51361	H 16
	51362	H 17
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
UNICAL AG MAX MULTIPEX	51351	U 16
	51353	U 20
	51361	H 16
	51355	U 32
UNIDELTA Deltall	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
	51360	H 14
	51361	H 16
	51363	H 18
	51364	H 20
	51366	H 26
	51367	H 32
	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
	51355	U 32
	51356	U 40
Uponor Unipipe	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
Uponor MLC	51432	UP 14
	51433	UP 16
	51434	UP 18
	51435	UP 20
	51436	UP 25
	51437	UP 32
Uponor MLC-D	51433	UP 16
	51435	UP 20
	51436	UP 25
	51355	U 32
	51356	U 40
Uponor MLC-G	51435	UP 20
	51436	UP 25
	51437	UP 32
Valsir PEXAL	51360	H 14
	51361	H 16
	51364	H 20
	51366	H 26
	51374	H 32 V
Valsir PEXAL Gas	51360	H 14
	51361	H 16
	51364	H 20
	51366	H 26
Vn Marcke Log. Tu-Bi-Pex	51341	TH 16
	51342	TH 17
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51348	TH 40
Vn Marcke Log. Tu-Bi-Press	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
	51325	M 35
Variotherm System TH	51337	TH 11,6
	51341	TH 16
Viega Copatin	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
Viega Pexfit Fosta	51422	VX 16
	51423	VX 20
	51424	VX 25
Viega Pexfit Fosta G	51422	VX 16
	51423	VX 20
	51424	VX 25
Viega Pexfit Plus	51421	VX 12
	51422	VX 16
	51423	VX 20

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Code / Código 8552B
Management System
ISO 9001:2015
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SYSTEM	COD.	TYPE
Viega Prestabo	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
Viega Profipress	51326	V 12
	51334	VG 14
	51328	V 15
	51335	VG 16
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
Viega Profipress G	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
Viega Profipress S	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
Viega Profipress Therm	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
Viega ProPress System (USA)	51428	VUS 1/2" (OD 15,88mm)
	51429	VUS 3/4" (OD 22,22mm)
	51430	VUS 1" (OD 28,58mm)
	51431	VUS 1,1/4" (OD 34,93mm)
Viega Sanfix Fosta	51397	VP 16
	51398	VP 20
	51399	VP 25
	51400	VP 32
Viega Sanfix Plus	51397	VP 16
	51398	VP 20
Viega Sampress	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
Viega Sampress Inox	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
	51333	V 35
Viega Sampress Inox G	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
Viessmann	51339	TH 14
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
V.I.Trade VI Term	51341	TH 16
	51343	TH 18
	51344	TH 20
	51345	TH 25
	51347	TH 32
VSH Flow Control VSH C-Press	51320	M 12
	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28
VSH Flow Control VSH Cu-Press	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28
VSH Flow Control VSH Cu-Press Gas	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28
VSH Flow Control VSH Cu-Press Solar	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28
VSH Flow Control VSH KAN-them	51350	U 14
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
VSH Flow Control VSH S-Press	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28

SYSTEM	COD.	TYPE
VSH Fitting VSH KAN-therm	51350	U 14
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
VSH Fitting VSH Press-Carbon	51320	M 12
	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
	51325	M 35
VSH Fitting VSH Press-Copper	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
VSH Fitting VSH Press-Copper Gas	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
VSH Fitting VSH Press-Copper Solar	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
VSH Fitting VSH Press Stainless	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
	51325	M 35
VSH Fitting Xpress Carbon	51320	M 12
	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
	51325	M 35
VSH Fitting Xpress Copper	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
VSH Fitting Xpress Copper Gas	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
VSH Fitting Xpress Copper Solar	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
VSH Fitting XPress Stainless	51321	M 15
	51322	M 18[1]
	51323	M 22
	51324	M 28[1]
	51325	M 35
Walter Meier Metalplast	51351	U 16
	51352	U 18
	51353	U 20
	51354	U 25
	51355	U 32
Watts MTR Art press	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
WATTS RADIANT Watts WaterPEX	51417	US 3/8"
	51418	US 1/2"
	51419	US 3/4"
	51420	US 1"
WATTS RADIANT Watts RadiantPEX	51417	US 3/8"
	51418	US 1/2"
	51419	US 3/4"
	51420	US 1"
WATTS RADIANT Watts RadiantPEX-AL	51351	U 16 (1/2")
	51353	U 20 (5/8")
	51354	U 25 (3/4")
	51355	U 32 (1")
Wavin Tigris K1	51350	U 14
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
Wavin Tigris U1	51350	U 14
	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
Wavin K-press	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
Wavin TIGRIS ALUPEX	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
Wavin TIGRIS BLUE	51351	U 16
	51353	U 20
	51354	U 25
	51355	U 32
	51356	U 40
WeeConPress Cu	51326	V 12
	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28

SYSTEM	COD.	TYPE
WeeConPress Cu Gas	51328	V 15
	51330	V 18
	51331	V 22
	51332	V 28
WeeConPress C-Stahl	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
WeeConPress Inox	51320	M 12
	51321	M 15
	51322	M 18
	51323	M 22
	51324	M 28
WeeConPress Inox Gas	51321	M 15
	51323	M 22
	51324	M 28
WeeConFlex MVR	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
WEFA PLASTIC WEFATHERM-PRESS	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
WEM	51361	H 16
	51351	U 16
WIELAND cuprotherm CTX	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
Winkler	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
WKS-Press	51339	TH 14
	51341	TH 16
	51342	TH 17
	51344	TH 20
	51346	TH 26
	51347	TH 32
XtraConnect	51386	F 16
	51388	F 20
	51389	F 26
	51390	F 32
	51361	H 16
	51364	H 20
	51366	H 26
	51367	H 32
	51341	TH 16
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51351	U 16
	51353	U 20
	51354	U 25 (NW 26)
	51355	U 32
Zetaesse Multisttrato EUROPEX	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
Zetaesse Multisttrato ISOPEX	51339	TH 14
	51341	TH 16
	51343	TH 18
	51344	TH 20
	51346	TH 26
	51347	TH 32
	51350	U 14
	51351	U 16
	51352	U 18
	51353	U 20
Zetaesse Rame HydroSAN	51339	TH 14
	51341	TH 16
	51344	TH 20
	51350	U 14
	51351	U 16
	51353	U 20
Zetaesse Rame ThermoSAN	51339	TH 14
	51341	TH 16
	51344	TH 20
	51350	U 14
	51351	U 16
	51353	U 20
ZEWOTHERM	51341	TH 16
	51342	TH 17
	51344	TH 20
	51346	TH 26
	51347	TH 32
ZURN INDUSTRIES ZURN PEX	51417	US 3/8"
	51418	US 1/2"
	51419	US 3/4"
	51420	US 1"

MÁQUINAS ROSCADORAS / *PIPE THREADING MACHINES* / FILIERES ELECTRIQUES / *GEWINDESCHNEIDMASCHINEN* / FILETTATRICI ELETTRICA / *MÁQUINAS ROSCADORAS* / РЕЗЬБОНАРЕЗНЫЕ МАШИНЫ

ROSCAMATIC 50 - 2

EQUIPO STANDARD / *STANDARD EQUIPMENT* / EQUIPEMENT STANDARD / *STANDARDZUBEHÖR* / EQUIPAGGIAMENTO STANDARD / *EQUIPAMENTO STANDARD* / СТАНДАРТНЫЙ КОМПЛЕКТ

COD.		CAP. (inch)	W	V	R.P.M.						
56950	BSPT	1/4-2	750	220-240 V (50-60 Hz)	28	87850	(2 pcs) 1/2-3/4", 1-2"	●	●	2 L	73
56952	BSPT	1/4-2	750	110-130 V (50-60 Hz)	28	87850	(2 pcs) 1/2-3/4", 1-2"	●	●	2 L	73
56951	NPT	1/4-2	750	220-240 V (50-60 Hz)	28	87850	(2 pcs) 1/2-3/4", 1-2"	●	●	2 L	73
56953	NPT	1/4-2	750	110-130 V (50-60 Hz)	28	87850	(2 pcs) 1/2-3/4", 1-2"	●	●	2 L	73



CE 12M

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Motor Asíncrono / *Condenser Motor* / Moteur de Condensateur	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tubos / *Pipes* / Tubes	1/4"-2"
Varilla / *Rod* / Boulon	10-52 mm

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	
87850	BSPT-NPT-BSPP

COD.	
87852	METRIC

COD.	
87853	UNC

Peines no incluidos / *Dies not included* / Peignes non inclus

COD.		COD.		COD.		COD.		COD.		COD.	
87855		81602		64104		64131	HSS	88115		64002	

PEINES / *DIES* / PEIGNES / *SCHNEIDBACKEN* / PETTINI / *CAÇONETES* / ГРЕБЕНКИ

COD.		
64148	BSPT	1/4-3/8"
64149	BSPT	1/2-3/4"
64150	BSPT	1-2"

COD.		
64151	BSPT (HSS)	1/4-3/8"
64152	BSPT (HSS)	1/2-3/4"
64153	BSPT (HSS)	1-2"

COD.		
64154	NPT	1/4-3/8"
64155	NPT	1/2-3/4"
64156	NPT	1-2"

COD.		
64157	NPT (HSS)	1/4-3/8"
64158	NPT (HSS)	1/2-3/4"
64159	NPT (HSS)	1-2"

COD.		
64495	BSPP	1/4-3/8"
64496	BSPP	1/2-3/4"
64497	BSPP	1-2"

COD.		
64498	BSPP (HSS)	1/4-3/8"
64499	BSPP (HSS)	1/2-3/4"
64500	BSPP (HSS)	1-2"

COD.		
64180	METRIC (HSS)	M10 x 1,5
64181	METRIC (HSS)	M12 x 1,75
64182	METRIC (HSS)	M14-16 x 2
64183	METRIC (HSS)	M18-22 x 2,5

COD.		
64184	METRIC (HSS)	M24-27 x 3
64186	METRIC (HSS)	M30-33 x 3,5
64187	METRIC (HSS)	M36-39 x 4
64188	METRIC (HSS)	M42-45 x 4,5
64189	METRIC (HSS)	M48-52 x 5

COD.		
64770	UNC (HSS)	1/4"
64771	UNC (HSS)	5/16"
64772	UNC (HSS)	3/8"
64773	UNC (HSS)	7/16"
64774	UNC (HSS)	1/2"
64775	UNC (HSS)	9/16"
64776	UNC (HSS)	5/8"
64777	UNC (HSS)	3/4"

COD.		
64778	UNC (HSS)	7/8"
64779	UNC (HSS)	1"
64780	UNC (HSS)	1.1/8"
64781	UNC (HSS)	1.1/4"
64782	UNC (HSS)	1.3/8"
64783	UNC (HSS)	1.1/2"
64784	UNC (HSS)	1.3/4"
64785	UNC (HSS)	2"

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ROSCAMATIC - 2 "COMBI"

EQUIPO STANDARD / *STANDARD EQUIPMENT* / EQUIPEMENT STANDARD / *STANDARDZUBEHÖR* / EQUIPAGGIAMENTO STANDARD / *EQUIPAMENTO STANDARD* / СТАНДАРТНЫЙ КОМПЛЕКТ

COD.		CAP. (inch)	W	V	R.P.M.					Kg
56062	BSPT	1/2-2	1500	220-240 V (50-60 Hz)	38	86900	(2 pcs) 1/2-3/4", 1-2"	●	●	80
56064				110-130 V (50-60 Hz)						
56063	NPT			220-240 V (50-60 Hz)						
56065				110-130 V (50-60 Hz)						

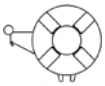
CE | 12M



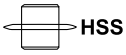
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Motor Univ. / *Univ. Motor* / Moteur Univ.	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tubos / *Pipes* / Tubes	1/2"-2"
Varilla / *Rod* / Boulon	14-39 mm

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.		
86900	BSPT-NPT-METRIC	1/2-3/4", 1-2", M14-M16, M18-M22, M24-M27, M30-M33, M36-M39



Peines no incluidos / *Dies not included* / Peignes non inclus

COD.		COD.		COD.		COD.		COD.		COD.	
86901		86902		86904		86905		86903		64002	

PEINES / *DIES* / PEIGNES / *SCHNEIDBACKEN* / PETTINI / *CAÇONETES* / ГРЕБЕНКИ

COD.		
56040	BSPT (HSS)	1/2-3/4"
56041		1-2"

COD.		
56042	NPT (HSS)	1/2-3/4"
56043		1-2"

COD.		
56044	METRIC (HSS)	M14-16 x 2
56045		M18-22 x 2,5
56046		M24-27 x 3
56047		M30-33 x 3,5
56048		M36-39 x 4

BE SAFE...BE EFFICIENT

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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RANURADORA HIDRÁULICA / *HYDRAULIC ROLL GROOVER* / RAINUREUSE HYDRAULIQUE / *HYDRAULISCHE ROLLNUTMASCHINE* / SCANALATORE IDRAULICO / *RANHURADORA HIDRAULICA* / ГИДРАВЛИЧЕСКИЙ ЖЕЛОБОНАКАТЧИК

COD.	CAP. (inch)	Kg	
56032	2-12	45	1

12M



CARRO DE TRANSPORTE / *TRANSPORT CARRIAGE* / CHARIOT DE TRANSPORT / *TRANSPORTWAGEN* / CARRELLO DI TRASPORTO / *CARRO DE TRANSPORTE* / ТРАНСПОРТНАЯ ТЕЛЕЖКА



COD.	Kg
56034	7,0



ACEITERA / *OILER* / RECIPIENT À HUILE DE COUPE / *ÖLKANISTER* / OLIATORI / *ALMOTOLIA* / МАСЛЯНЫЙ НАСОС

COD.	CAP. L	Kg	
64130	5	3,5	1



EGA Master
ART IN INNOVATION

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ROSCAMATIC 80 - 3

EQUIPO STANDARD / *STANDARD EQUIPMENT* / EQUIPEMENT STANDARD / *STANDARDZUBEHÖR* / EQUIPAGGIAMENTO STANDARD / *EQUIPAMENTO STANDARD* / СТАНДАРТНЫЙ КОМПЛЕКТ

COD.		CAP. (inch)	W	V	R.P.M.						Kg
56955	BSPT	1/2-3	1100	220-240 V (50-60 Hz)	(1/2-2") = 24 / (2.1/2-3") = 12	87856, 87857	(3 pcs) 1/2-3/4", 1-2", 2.1/2-3"	●	●	5 L	114
56957	BSPT	1/2-3	1100	110-130 V (50-60 Hz)	(1/2-2") = 24 / (2.1/2-3") = 12	87856, 87857	(3 pcs) 1/2-3/4", 1-2", 2.1/2-3"	●	●	5 L	114
56956	NPT	1/2-3	1100	220-240 V (50-60 Hz)	(1/2-2") = 24 / (2.1/2-3") = 12	87856, 87857	(3 pcs) 1/2-3/4", 1-2", 2.1/2-3"	●	●	5 L	114
56958	NPT	1/2-3	1100	110-130 V (50-60 Hz)	(1/2-2") = 24 / (2.1/2-3") = 12	87856, 87857	(3 pcs) 1/2-3/4", 1-2", 2.1/2-3"	●	●	5 L	114



CE I 12M

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Motor Asíncrono / *Condenser Motor* / Moteur de Condensateur	
Sistema de copiado de rosca / *Notch profiling die head. Copy system* / Entaille profilant. Le système principal de copie de matrice	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tubos / *Pipes* / Tubes	1/2"-3"

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.			
87856	BSPT-NPT	1/2-2"	1/2-2

Peines no incluidos / *Dies not included* / Peignes non inclus

COD.			
87857	BSPT-NPT	2.1/2-3"	2.1/2-3

Peines no incluidos / *Dies not included* / Peignes non inclus

COD.		COD.		COD.		COD.		COD.		COD.	
87858		87859		64104		64131	HSS	88115		64002	

PEINES / *DIES* / PEIGNES / *SCHNEIDBACKEN* / PETTINI / *CAÇONETES* / ГРЕБЕНКИ

COD.		
64205	BSPT	1/2-3/4"
64206		1-2"
64207		2.1/2-3"

COD.		
64209	BSPT (HSS)	1/2-3/4"
64210		1-2"
64211		2.1/2-3"

COD.		
64213	NPT	1/2-3/4"
64214		1-2"
64215		2.1/2-3"

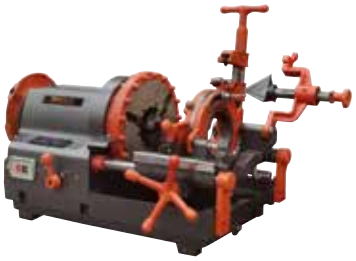
COD.		
64217	NPT (HSS)	1/2-3/4"
64218		1-2"
64219		2.1/2-3"

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ROSCAMATIC 100 - 4

EQUIPO STANDARD / *STANDARD EQUIPMENT* / EQUIPEMENT STANDARD / *STANDARDZUBEHÖR* / EQUIPAGGIAMENTO STANDARD / *EQUIPAMENTO STANDARD* / СТАНДАРТНЫЙ КОМПЛЕКТ

COD.		CAP. (inch)	W	V	R.P.M.						Kg
56960	BSPT	1/2-4	1100	220-240 V (50-60 Hz)	(1/2-2") = 22 / (2.1/2-4") = 10	87860, 87861	1/2-3/4", 1-2", 2.1/2-4"	●	●	5 L	128
56962				110-130 V (50-60 Hz)							
56961	NPT			220-240 V (50-60 Hz)							
56963				110-130 V (50-60 Hz)							



CE 12M

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Motor Asíncrono / *Condenser Motor* / Moteur de Condensateur	
Sistema de copiado de rosca / *Notch profiling die head. Copy system* / Entaille profilant. Le système principal de copie de matrice	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tubos / *Pipes* / Tubes	1/2"-4"
Varilla / *Rod* / Boulon	10-52 mm

REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ


1/2-2


2.1/2-4







COD.		COD.		COD.		COD.		COD.	
87860	BSPT-NPT	87861	BSPT-NPT	87862	BSPP	87864	METRIC	87865	UNC

Peines no incluidos / *Dies not included* / Peignes non inclus

COD.		COD.		COD.		COD.		COD.		COD.		COD.	
87867		87868		64104		64131	 HSS	88115		64002	

PEINES / *DIES* / PEIGNES / *SCHNEIDBACKEN* / PETTINI / *CAÇONETES* / ГРЕБЕНКИ

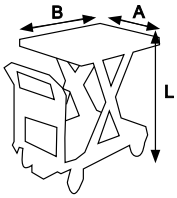
COD.			COD.			COD.			COD.			COD.		
64205	BSPT	1/2-3/4"	64209	BSPT (HSS)	1/2-3/4"	64213	NPT	1/2-3/4"	64217	NPT (HSS)	1/2-3/4"	64495	BSPP	1/4-3/8"
64206		1-2"	64210		1-2"	64214		1-2"	64218		1-2"	64496		1/2-3/4"
64208		2.1/2-4"	64212		2.1/2-4"	64216		2.1/2-4"	64220		2.1/2-4"	64497		1-2"

COD.			COD.			COD.			COD.			COD.		
64498	BSPP (HSS)	1/4-3/8"	64180	METRIC (HSS)	M10x1,5	64184	METRIC (HSS)	M24-27x3	64770	UNC (HSS)	1/4"	64778	UNC (HSS)	7/8"
64499		1/2-3/4"	64181		M12x1,75	64186		M30-33x3,5	64771		5/16"	64779		1"
64500		1-2"	64182		M14-16x2	64187		M36-39x4	64772		3/8"	64780		1.1/8"
			64183		M18-22x2,5	64188		M42-45x4,5	64773		7/16"	64781		1.1/4"
						64189		M48-52x5	64774		1/2"	64782		1.3/8"
									64775		9/16"	64783		1.1/2"
									64776		5/8"	64784		1.3/4"
									64777		3/4"	64785		2"

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ACCESORIOS / *SPARE PARTS* / RECHANGES / *ZUBEHÖR* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

CARRO HIDRÁULICO / *HYDRAULIC TROLLEY* / CHARIOT HYDRAULIQUE / *HYDRAULISCHER ARBEITSWAGEN* / CARRELLO IDRAULICO / *CARRO HIDRAULICO* / ГИДРАВЛИЧЕСКАЯ ТЕЛЕЖКА



COD.	A (mm)	B (mm)	L min.-max.	CAP. (kg)	Kg	
60184	600	900	295-1020	500	125	1

12M

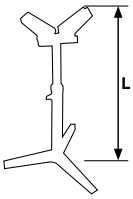


CARRO MANUAL / *HAND TROLLEY* / CHARIOT MANUEL / *HANDGESTELLTER ARBEITSWAGEN* / CARRELLO MANUALE / *CARRO MANUAL* / РУЧНАЯ ТЕЛЕЖКА

COD.	Para máquinas / *For machines* / Pour machines	Kg	
60181	ROSCAMATIC 50-2"	30	1
60180	ROSCAMATIC 80-3"	28	
60182	ROSCAMATIC 100-4"		



SOPORTE PARA TUBO / *PIPE SUPPORT* / SUPPORT POUR TUBE / *ROHRHALTEWINKEL* / SUPPORTO PER TUBI / *SUPORTE PARA TUBOS* / ПОДСТАВКА ДЛЯ ТРУБ



COD.	L min.-max.	mm	Kg	
60179	750-1200	20-190	5,0	1



ACEITERA / *OILER* / RECIPIENT À HUILE DE COUPE / *ÖLKANISTER* / OLIATORI / *ALMOTOLIA* / МАСЛЯНЫЙ НАСОС

COD.	CAP. L	Kg	
64130	5	3,5	1



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ACEITE DE CORTE / *CUTTING OIL* / HUILE DE COUPE / *GEWINDESCHNEIDÖL* / OLIO DATAGLIO / *OLEO DE CORTE* / РЕЗЬБОНАРЕЗНОЕ МАСЛО

COD.	CAP. L	Kg	
64006	2	2,0	1
64002	5	4,5	



CINTA DE SELLADO DE PTFE PARA ROSCAS / *PTFE THREAD SEALING TAPE* / BANDE DE SCELLEMENT PTFE POUR FILETAGES / *PTFE GEWINDE DICHTUNGSBAND* / NASTRO DI SIGILLATURA PTFE PER FILETTATURE / *FITA PARA SELAR ROSCAS PTFE* / ФУМ-ЛЕНТА ДЛЯ РЕЗЬБОВЫХ СОЕДИНЕНИЙ

COD.	L (m)	W x H (mm)	Densidad (g/cm3) / *Density (g/cm3)* / Densité (g/cm3)	g	
51575	10	12 x 0,075	0,20	10	1
51576	15		0,30	15	



MASTERMATIC - 2 PRO

COD.	CAP. (inch)	W	V	Kg
62441	2	1180	220-240 V (50 Hz)	15
62442			110-130 V (60 Hz)	

CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CABEZAS DE TERRAJA: Especialmente diseñadas con una mayor longitud para un asentamiento más preciso de los peines proporcionando una mejor rosca y más suavidad en el trabajo. / *THREADING HEADS: Specialy designed and enlarged heads providing more precise dies setting for smoother and better threading.* / FILIERES: Les filières sont spécialement conçues pour fixer plus précisément les peignes. Il en résulte une plus grande qualité de filetage.

SET





COD.		Kg	Mastermatic 2-PRO	V	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"			
62443	BSPT	23	62441	220-240 V (50-60 Hz)	-	-	63003	63004	63005	63006	63008	63009	86366	51649	86365
62444		24				59019									
62449		25			59018										
62464	NPT	23			-	-	63013	63014	63015	63016	63018	63019			
62739		24				59021									
62771		25			59020										
62791	BSPT	23	62442	110-130 V (50-60 Hz)	-	-	63003	63004	63005	63006	63008	63009			
62792		24				59019									
62797		25			59018										
62815	NPT	23			-	-	63013	63014	63015	63016	63018	63019			
62820		24				59021									
62827		25			59020										

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ESTUCHE / *CASE* / ÉTUI / *KOFFER* / ASTUCCIO / *CAIXA* / ФУТЛЯР

COD.
51649



SOPORTE / *SUPPORT* / SUPPORT / *HALTER* / SUPPORTO / *SUPORTE* / ПОДСТАВКА

COD.
86365



ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEIL* / ADATTATORE / *REDUTOR* / АДАПТЕР

COD.
86366



ACEITERA / *OILER* / RECIPIENT À HUILE DE COUPE / *ÖLKANISTER* / OLIATORI / *ALMOTOLIA* / МАСЛЯНЫЙ НАСОС

COD.	CAP. L	Kg	
64130	5	3,5	1



ACEITE DE CORTE / *CUTTING OIL* / HUILE DE COUPE / *GEWINDESCHNEIDÖL* / OLIO DATAGLIO / *OLEO DE CORTE* / РЕЗЬБОНАРЕЗНОЕ МАСЛО

COD.	CAP. L	Kg	
64006	2	2,0	1
64002	5	4,5	



RANURADORA HIDRÁULICA / *HYDRAULIC ROLL GROOVER* / RAINUREUSE HYDRAULIQUE / *HYDRAULISCHE ROLLNUTMASCHINE* / SCANALATORE IDRAULICO / *RANHURADORA HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ ЖЕЛОБОНАКАТЧИК

RANUMATIC "COMBI" UNIVERSAL

CAPACIDAD DE RANURADO DE TUBOS / *PIPE GROOVING CAPACITY* / DIAMETRE MAXIMUM DE RAINURAGE / *KAPAZITAT DER ROHRNUTEN* / CAPACITA DI SCANALATURA DEL TUBO / *CAPACIDADE DE RANHURAGEM DE TUBO* / ПАРАМЕТРЫ ЖЕЛОБОНАКАТКИ

	2"	2.1/2"	3"	4"	6"	8"	10"	12"	
Schedule 10	2,8	3,0	3,0	3,4	3,4	3,8	4,2	4,6	INOX-hasta / *up to* / jusqu'à 4,8 mm
Schedule 40	3,9	5,2	5,5	6,0	7,1	8,2	-	-	
DIN 2440	3,65	3,65	4,03	4,5	4,85	-	-	-	

EQUIPO STANDARD / *STANDARD EQUIPMENT* / EQUIPEMENT STANDARD / *STANDARDZUBEHÖR* / EQUIPAGGIAMENTO STANDARD / *EQUIPAMENTO STANDARD* / СТАНДАРТНЫЙ КОМПЛЕКТ

COD.	CAP. (inch)	W	V	R.P.M.					Kg
56060	2-12	1500	220-240 V (50-60 Hz)	38	56036, 56037	●	●	2 pcs.	110
56061			110-130 V (50-60 Hz)						

CE 12M



REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	CAP. (inch)
56036	2-6



COD.	CAP. (inch)
56037	8-12



COD.
86903



SOPORTE PARA TUBO / *PIPE SUPPORT* / SUPPORT POUR TUBE / *ROHRHALTEWINKEL* / SUPPORTO PER TUBI / *SUPORTE PARA TUBOS* / ПОДСТАВКА ДЛЯ ТРУБ

COD.	Kg	
60176	11	1



CARRO DE ROSCAR / *THREADING CARRIAGE* / CHARIOT DE FILETAGE / *GEWINDESCHNEIDHALTER* / BANCO MOTORIZZATI / *CARRO DE ROSCAR* / РЕЗЬБОНАРЕЗНАЯ КАРЕТКА

COD.		HSS			Kg
56033	BSPT	1/2-3/2, 1-2"	●	●	24
56052	NPT				

Opcional / *Optional* / Optionnel



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

CARRO DE TRANSPORTE / *TRANSPORT CARRIAGE* / CHARIOT DE TRANSPORT / *TRANSPORTWAGEN* / CARRELLO DI TRASPORTO / *CARRO DE TRANSPORTE* / ТРАНСПОРТНАЯ ТЕЛЕЖКА



COD.	Kg
56034	7,0

Opcional / *Optional* / Optionnel



RANURADORA MANUAL / *MANUAL ROLL GROOVER* / RAINUREUSE MANUELLE / *MANUELLES ROLLNUTGERÄT* / SCANALATRICE MANUALE / *RANHURADORA MANUAL* / ИНСТРУКЦИЯ ДЛЯ ЖЕЛОБОНАКАТЧИКА

RANUMATIC UNIVERSAL MANUAL

CAPACIDAD DE RANURADO DE TUBOS / *PIPE GROOVING CAPACITY* / DIAMETRE MAXIMUM DE RAINURAGE / *KAPAZITAT DER ROHRNUTEN* / CAPACITA DI SCANALATURA DEL TUBO / *CAPACIDADE DE RANHURAGEM DE TUBO* / ПАРАМЕТРЫ ЖЕЛОБОНАКАТКИ

	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"	6"	
Schedule 10	2,8	2,8	2,8	3	3	3,4	3,4	INOX-hasta / *up to* / jusqu'à 4,8 mm
Schedule 40	3,6	3,4	3,9	5,2	5,5	-	-	
DIN 2440	3,25	3,25	3,65	3,65	4,03	4,5	4,85	

EQUIPO STANDARD / *STANDARD EQUIPMENT* / EQUIPEMENT STANDARD / *STANDARDZUBEHÖR* / EQUIPAGGIAMENTO STANDARD / *EQUIPAMENTO STANDARD* / СТАНДАРТНЫЙ КОМПЛЕКТ

COD.	CAP. (inch)	W	V	R.P.M.					Kg
56066	1.1/4-6	1500	220-240 V (50-60 Hz)	38	56050	●	●	2 pcs.	68
56067			110-130 V (50-60 Hz)						

CE 12M



REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	CAP. (inch)
56050	1.1/4-6



COD.
86903



SOPORTE PARA TUBO / *PIPE SUPPORT* / SUPPORT POUR TUBE / *ROHRHALTEWINKEL* / SUPPORTO PER TUBI / *SUPORTE PARA TUBOS* / ПОДСТАВКА ДЛЯ ТРУБ

COD.	Kg	
60176	11	1



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

RANURADORA MANUAL / *MANUAL ROLL GROOVER* / RAINUREUSE MANUELLE / *MANUELLES ROLLNUTGERÄT* / SCANALATRICE MANUALE / *RANHURADORA MANUAL* / ИНСТРУКЦИЯ ДЛЯ ЖЕЛОБОНАКАТЧИКА

COD.	CAP. (inch)	Kg	
56035	1.1/4-6	12	1

Opcional / *Optional* / Optionnel



CARRO DE TRANSPORTE / *TRANSPORT CARRIAGE* / CHARIOT DE TRANSPORT / *TRANSPORTWAGEN* / CARRELLO DI TRASPORTO / *CARRO DE TRANSPORTE* / ТРАНСПОРТНАЯ ТЕЛЕЖКА



COD.	Kg
56034	7,0

Opcional / *Optional* / Optionnel



SIERRA ELECTROPORTÁTIL / *RECIPROCATING SAW* / SCIE SABRE UNIVERSELLE / *TRAGBARE ELEKTROSÄGE* / SEGHETO ELETRICO / *SERRA ELECTRO PORTATIL* / САБЕЛЬНАЯ ПИЛА



COD.	CAP.	W	R.P.M.	V	Kg
60216	90	750	2500	220-240 V (50-60 Hz)	5,0

CE | 12M



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

CURVATUBOS HIDRÁULICO / *HYDRAULIC PIPE BENDER* / CINTREUSE HYDRAULIQUE / *HYDRAULIK-ROHRBIEGER* / CURVATUBI IDRAULICO / *CURVADORAS HYDRAULICAS PARA TUBOS* / ГИДРАВЛИЧЕСКИЙ ТРУБОГИБ

TUBO API NORM / *API NORM PIPE* / TUBE API NORM

O.D. inch	Válido para / *Valid for* / Valable pour	Schedule 10 I.D. mm	Schedule 10 mm	Schedule 40 I.D. mm	Schedule 40 mm	Schedule 80 I.D. mm	Schedule 80 mm	Schedule 160 I.D. mm	Schedule 160 mm
1/4	-	0,41	0,065	0,364	0,088	0,302	0,119	No standardized	No standardized
3/8		0,545	0,083	0,493	0,091	0,423	0,126		
1/2		0,674		0,622	0,19	0,546	0,147	0,466	0,187
3/4		0,884	0,109	0,824	0,113	0,742	0,154	0,614	0,218
1		1,097		1,049	0,133	0,957	0,179	0,815	0,25
1.1/4		1,442		1,38	0,14	1,278	0,191	1,16	
1.1/2		1,682		1,61	0,145	1,5	0,2	1,338	0,281
2		2,157		2,067	0,154	1,939	0,218	1,689	0,343
2.1/2	Curvamatic 3	2,63	0,12	2,47	0,203	-	-	-	-
3		3.26		3,07	0,216				

Sólo para Curvamatic 3 / *Only for Curvamatic 3* / Seulement pour Curvamatic 3

TUBO DE ACERO DIN-2440 / *DIN-2440 STEEL PIPE* / TUBE D'ACIER DIN-2440

O.D. inch	Válido para *Valid for* Valable pour	I.D. mm	mm
1/4	-	13	2,35
3/8		17	
1/2		21	2,65
3/4		27	
1		34	3,25
1.1/4		42	
1.1/2		48	
2		60	3,65
2.1/2	Curvamatic 3	76	
3		89	4,05

Sólo para Curvamatic 3 / *Only for Curvamatic 3* / Seulement pour Curvamatic 3

CURVAMATIC CON MEDIDOR ANGULAR / *CURVAMATIC WITH ANGLE MEASURER* / CURVAMATIC AVEC INDICATEUR ANGULAIRE / *BIEGEGERÄT MIT WINKELMESSER* / CURVATUBI CON MISURATORE ANGOLARE / *CURVAMATIC COM MEDIDOR DE ÂNGULO* / ТУБОГИБ CURVAMATIC С ГРАДУСНОЙ ШКАЛОЙ

COD.	Mod.	O.D. inch	TONS.	Kg	
56947	CURVAMATIC 2	1/4-2	10	75	1
56948	CURVAMATIC 3	1/4-3	13	110	

12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Máximo grado de curvatura 90º, dos velocidades y acción rápida / *Maximum degree of curvature 90º, two speeds and quick action* / Degré de courbure maximal 90º, deux vitesse et action rapide

CURVAMATIC

COD.	Mod.	O.D. inch	TONS.	Kg	
60015	CURVAMATIC 2	1/4-2	10	64	1
60016	CURVAMATIC 3	1/4-3	13	110	

CE 12M



Su especial e innovador sistema de válvula 2-VELO permite de forma automática una rápida aproximación así como un suave curvado sin necesidad de cambiar de pistón. / *The special and innovative 2-VELO valve system enables fast pre-loading as well as a soft bending without any need to change pistons.* / Son systéme spécial et innovateur de clapet 2-VELO permet un réglage automatique et progressif , sans avoir besoin de changer de piston.

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Máximo grado de curvatura 90º, dos velocidades y acción rápida / *Maximum degree of curvature 90º, two speeds and quick action* / Degré de courbure maximal 90º, deux vitesse et action rapide

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗАПАСНЫМИ ЧАСТЯМИ



COD.		O.D. inch	R (mm)	Kg	
64190	Curvamatic 2 & 3	1/4, 3/8, 1/2	86	0,8	1
64191		3/4	108	1,1	
64192		1	135		
64193		1.1/4	170	2,4	
64194		1.1/2	193	3,0	
64195		2	242	5,0	
64231	Curvamatic 3	2.1/2	303	16	
64232		3	358	22	

BOMBAS DE COMPROBACIÓN / *TESTING PUMPS* / POMPES D'EPREUVE / *PRÜFPUMPE* / POMPE PROVA IMPIANTI / *BOMBAS DE COMPROVAÇAO* / ОПРЕССОВЩИК ГИДРАВЛИЧЕСКИЙ



COD.	CAP. L	Máx. bar	Conex. (inch)	L x W x H (mm)	Kg	
60005	12	60=860 Psi	1/2	500x180x275	7,7	1
60009		100=1440 Psi				

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Sistema de ajuste de presión rápido por medio de una sola válvula / *Quick pressure adjust system with just one valve* / Système rapide de réglage de la pression au moyen d'une seule valvule	●
Máxima estabilidad / *Maximum estability* / Stabilité maximale	●
Capacidad 12 l. / *Capacity 12 l.* / Capacité 12 l.	●
Manómetro de fácil lectura / *Easy-reading manometer* / Manomètre à lecture facile	●
Incluye manguera de presión / *Pressure hose included* / Tuyau de pression inclus	●
Uso cómodo / *Comfortable use* / Utilisation pratique	●



COD.	CAP. L	Máx. bar	Conex. (inch)	L x W x H (mm)	Kg	
60011	12	60=860 Psi	1/2	500x180x275	7,7	1
60012		100=1440 Psi				

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Sistema de ajuste de presión rápido por medio de una sola válvula / *Quick pressure adjust system with just one valve* / Système rapide de réglage de la pression au moyen d'une seule valvule	●
Máxima estabilidad / *Maximum estability* / Stabilité maximale	●
Capacidad 12 l. / *Capacity 12 l.* / Capacité 12 l.	●
Manómetro de fácil lectura / *Easy-reading manometer* / Manomètre à lecture facile	●
Incluye manguera de presión / *Pressure hose included* / Tuyau de pression inclus	●
Uso cómodo / *Comfortable use* / Utilisation pratique	●
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Acero inoxidable / *Stainless steel* / Acier inoxydable	

MASTERPUMP

ELÉCTRICA / *ELECTRIC* / ELECTRIQUE / *ELEKTRISCH* / ELETTRICA / *ELÉTRICO* / ЭЛЕКТРИЧЕСКИЙ



COD.	CAP. (L/min.)	W	V	Máx. bar	Conex. (inch)	Kg	
56077	8	600	220-240 V (50-60 Hz)	60=860 Psi	1/2	12	1
56078			110-130 V (50-60 Hz)				

CE 12M

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

20

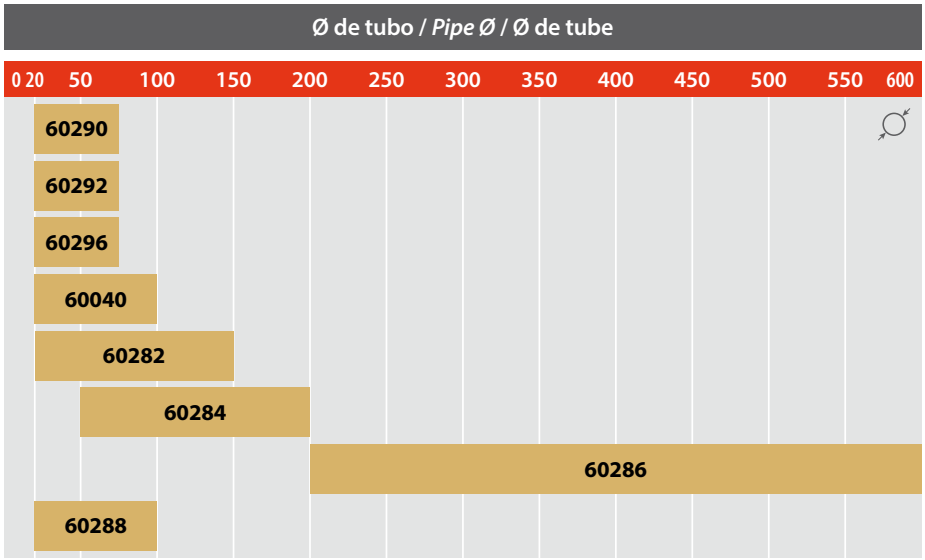
INSPECCIÓN Y DESATASCADORES
DRAIN CLEANING AND INSPECTION
INSPECTION ET DEBOUCHEURS
ROHRINSPEKTION
STURATUBI E ISPEZIONE
INSPECÇÃO E DESENTUPIDORES
ПРОЧИСТНАЯ ТЕХНИКА И ВИДЕОДИАГНОСТИКА



Ega Master es el fabricante mundial con mayor gama de desatascadores que permiten trabajar desde redes domésticas hasta grandes instalaciones.

***Ega Master** is the manufacturer in the world with the biggest range of pipe and drain cleaners which enables the user to work on small home pipes as well as on big facilities.*

Ega Master est le frabricant avec le plus grande gamme au monde de déboucheurs, qui permettent le travail du réseau domestique aux grandes installations.



1

Todos los desatascadores **EGA Master** tienen los elementos necesarios para un uso ergonómico y cómodo.

*All the **EGA Master** pipe cleaners have the necessary elements to ensure an ergonomic and comfortable use.*

Tous les déboucheurs **EGA Master** sont dotés d'éléments nécessaires à l'ergonomie et au confort d'utilisation.

2

El tubo protector permite un uso seguro sin ningún daño para el usuario profesional.

Protection tube enables professional users to have a safe use without any damage.

Le tube protecteur permet un usage sûr sans aucun risque de blessure pour l'utilisateur professionnel.

3

Se han diseñado pensando en todos los detalles, hasta los soportes plásticos para evitar dañar el suelo.

They have been designed taking into account all the details, even the plastic stands to avoid damaging the floor.

Ils ont été dessinés en pensant à tous les détails, jusqu'aux supports platiques, pour éviter d'abîmer le sol.



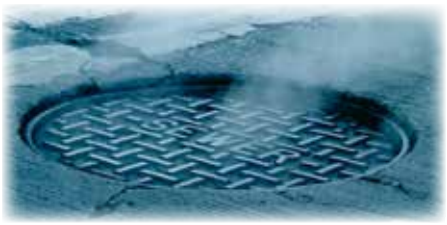


4

La amplia gama de desatascadores **EGA Master** comprende punteras desde 16 mm hasta 30 mm para cualquier trabajo.

*The wide range of **EGA Master** pipe cleaners has different drill sizes from 16mm up to 30mm for any work.*

La grande gamme de déboucheurs **EGA Master** comprend des embouts de 16mm à 30mm pour tous les travaux.





Los distintos tipos de punteras se adaptan a cualquier tipo de trabajo de mantenimiento de redes.

The different type of drills are valid for any pipe or drain cleaning operation.

Les différents types d'embouts sont adaptés à tous types de travaux de maintenance de réseau.



Cada máquina incluye los equipos de seguridad necesarios.

Each machine includes all necessary safety equipment.

Chaque machine est vendue avec l'équipement de sécurité nécessaire.

Disponibles equipos a batería para trabajo cómodo e independiente del suministro eléctrico.

Models with battery are available for comfortable use.

Des équipements à batterie sont disponibles pour un travail aisé et non tributaire du réseau électrique.



DESATASCADORES / *PIPE CLEANERS* / DEBOUCHEURS / *ROHRREINIGUNGSGERÄTE* / STURATUBI / *DESENTUPIDORES* / ПРОЧИСТНЫЕ МАШИНЫ

DESATASCADOR DE TAMBOR / *PIPE CLEANER* / DÉBOUCHEUR À TAMBOUR / *ELEKTROROHRREINIGUNGSGERÄT* / STURATUBI A TAMBURO / *DESENTUPIDOR DE TAMBOR* / ПРОЧИСТНАЯ МАШИНА

COD.	L (m)	O.D. mm	g	
69500	4,6	11	750	6



DESATASCADOR DE MUELLE / *SPRING PIPE CLEANER* / RESSORT À DÉBOUCHER / *ROHRREINIGUNGSGERÄT* / NETTATUBI / *DESENTUPIDOR DE MOLA* / СПИРАЛЬНАЯ ПРОЧИСТНАЯ МАШИНА

COD.	L (m)	O.D. mm	g	
69505	3	5	350	10
69506	5	24	1400	
69507	10		2500	5



	Ø (mm)	CAP. (mm)
Drainmatic Handy 75	8 (muelle / *spring* / ressort)	Ø20-Ø75
Drainmatic Handy 75 Auto		
Drainmatic Portable 75 Auto		
Drainmatic 100	8-16 (muelle / *spring* / ressort)	Ø20-Ø100
Drainmatic MAX 110	12,5 (muelle / *spring* / ressort)	Ø20-Ø110
Drainmatic MAX 150	8-16-22 (muelle / *spring* / ressort)	Ø20-Ø150
Drainmatic MAX 200	30 (muelle / *spring* / ressort)	Ø50-Ø200
Drainmatic MAX 600	8 x 22 (varilla / *rod* / baguette)	Ø200-Ø600



DRAINMATIC HANDY 75

COD.		V	W	R.P.M.	CAP. (mm)	Kg
60290	*	220-240 V (50-60 Hz)	600	0-550	Ø 20-75	11
60291		110-130 V (50-60 Hz)				

* : Incluye accesorios / *Accessories included* / Accessoires inclus

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad tubo / *Pipe capacity* / Capacité de tube	Ø 20-75 mm
Máxima longitud / *Max. Length* / Longueur max.	7,6 m
Ø Cabeza muelle / *Spring head Ø* / Ø Tête ressort	Ø 15 mm
Ø Muelle / *Ø Spring* / Ø Diamètre de ressort	Ø 8 mm
Velocidad de giro / *Turning speed* / Vitesse de rotation	0-550 rpm
Interruptor de cambio de sentido de giro / *Turning way selector switch* / Bouton de changement de sens de rotation	●
Agarre ergonómico / *Ergonomic grip* / Prise ergonomique	●
Tambor de cable en 2 piezas metálicas resistentes al impacto y corrosión / *2 piece spring canister resistant to impact and corrosion* / Tambour de câble en 2 pièces métalliques résistant au choc et á la corrosion	●
Ligero y fácil de usar / *Lightweight and easy-to-use* / Léger et facile á utiliser	●
Peso en uso / *Working weight* / Poids en travail	6,0 Kg
Potencia / *Power* / Puissance	600 W

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗАПАСНЫМИ ЧАСТЯМИ

COD.	L x W x H (mm)	Kg
64648	550 x 245 x 250	4,0



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	20 kg
Elementos / *Compartments* / Cases	1

COD.	O.D. mm	L (m)	Kg	Válido para / *Valid for* / Valable pour
85114	8	7,6	1,8	60290, 60291, 60292, 60293



BE SAFE...BE EFFICIENT

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DRAINMATIC HANDY 75 AUTO

COD.		V	W	R.P.M.	CAP. (mm)	Kg
60292	*	220-240 V (50-60 Hz)	600	0-550	Ø 20-75	11
60293		110-130 V (50-60 Hz)				

* : Incluye accesorios / *Accessories included* / Accessoires inclus

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Avance de muelle automático / *Automatic spring advance* / Avance du ressort automatique	●
Velocidad de avance de muelle / *Spring advance speed* / Vitesse d'avance du ressort	5 m/min
Capacidad tubo / *Pipe capacity* / Capacité de tube	Ø 20-75 mm
Máxima longitud / *Max. Length* / Longueur max.	7,6 m
Ø Cabeza muelle / *Spring head Ø* / Ø Tête ressort	Ø 15 mm
Ø Muelle / *Ø Spring* / Ø Diamètre de ressort	Ø 8 mm
Velocidad de giro / *Turning speed* / Vitesse de rotation	0-550 rpm
Interruptor de cambio de sentido de giro / *Turning way selector switch* / Bouton de changement de sens de rotation	●
Agarre ergonómico / *Ergonomic grip* / Prise ergonomique	●
Tambor de cable en 2 piezas metálicas resistentes al impacto y corrosión / *2 piece spring canister resistant to impact and corrosion* / Tambour de câble en 2 pièces métalliques résistant au choc et á la corrosion	●
Ligero y fácil de usar / *Lightweight and easy-to-use* / Léger et facile á utiliser	●
Peso en uso / *Working weight* / Poids en travail	6,0 Kg
Potencia / *Power* / Puissance	600 W

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗПАСНЫМИ ЧАСТЯМИ

COD.	L x W x H (mm)	Kg
64648	550 x 245 x 250	4,0



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	20 kg
Elementos / *Compartments* / Cases	1

COD.	O.D. mm	L (m)	Kg	Válido para / *Valid for* / Valable pour
85114	8	7,6	1,8	60290, 60291, 60292, 60293



COD.	Velocidad m/min. / *Speed m/min.* / Vitesse m/min.	Kg	Válido para / *Valid for* / Valable pour
83694	5	0,5	60292, 60293



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DRAINMATIC PORTABLE 75 AUTO

COD.		V	W	R.P.M.	CAP. (mm)	Kg
60296	*	220-240 V (50-60 Hz)	600	0-450	Ø 20-75 mm	11
60297		110-130 V (50-60 Hz)				

* : Incluye accesorios / *Accessories included* / Accessoires inclus

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Avance de muelle automático / *Automatic spring advance* / Avance du ressort automatique	●
Velocidad de avance de muelle / *Spring advance speed* / Vitesse d'avance du ressort	5 m/min
Capacidad tubo / *Pipe capacity* / Capacité de tube	Ø 20-75 mm
Máxima longitud / *Max. Length* / Longueur max.	6 m
Ø Cabeza muelle / *Spring head Ø* / Ø Tête ressort	Ø 15 mm
Ø Muelle / *Ø Spring* / Ø Diamètre de ressort	Ø 8mm
Velocidad de giro / *Turning speed* / Vitesse de rotation	0-450 rpm
Interruptor de cambio de sentido de giro / *Turning way selector switch* / Bouton de changement de sens de rotation	●
Agarre ergonómico / *Ergonomic grip* / Prise ergonomique	●
Tambor de cable en 2 piezas metálicas resistentes al impacto y corrosión / *2 piece spring canister resistant to impact and corrosion* / Tambour de câble en 2 pièces métalliques résistant au choc et á la corrosion	●
Ligero y fácil de usar / *Lightweight and easy-to-use* / Léger et facile á utiliser	●
Peso en uso / *Working weight* / Poids en travail	6,0 kg
Potencia / *Power* / Puissance	600 W
Batería Ni-mh / *Battery Ni-mh* / Batterie Ni-mh	14,4 V - 2400 mAh

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗПАСНЫМИ ЧАСТЯМИ

COD.	L x W x H (mm)	Kg
64648	550 x 245 x 250	4,0



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad / *Capacity* / Capacité	20 kg
Elementos / *Compartments* / Cases	1

COD.	O.D. mm	L (m)	Kg	Válido para / *Valid for* / Valable pour
85115	8	6	1,4	60296, 60297



COD.	Velocidad m/min. / *Speed m/min.* / Vitesse m/min.	Kg	Válido para / *Valid for* / Valable pour
83694	5	0,5	60292, 60293



COD.	V	Kg	Válido para / *Valid for* / Valable pour
83696	14,4	0,8	60296, 60297



COD.	V	Kg	Válido para / *Valid for* / Valable pour
64649	220-240 V (50-60 Hz)	1,2	60296, 60297
64650	110-130 V (50-60 Hz)		



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DRAINMATIC 100

COD.		V	CAP. (mm)	W	R.P.M.	Kg
60040	*	220-240 V (50-60 Hz)	Ø 20-100	390	400	32

* : Incluye accesorios / *Accessories included* / Accessoires inclus

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad tubo / *Pipe capacity* / Capacité de tube	Ø 20-100 mm
Longitud de muelle suministrada / *Supplied spring length* / Longueur du ressort fournie	20 m
Máxima longitud / *Max. Length* / Longueur max.	30 m
Ø Muelle / *Ø Spring* / Ø Diamètre de ressort	Ø 8-16 mm
Velocidad de giro / *Turning speed* / Vitesse de rotation	400 rpm
Interruptor de cambio de sentido de giro / *Turning way selector switch* / Bouton de changement de sens de rotation	●
Agarre ergonómico / *Ergonomic grip* / Prise ergonomique	●
Guantes incluidos / *Gloves included* / Gants inclus	●
Tambor de cable en 2 piezas metálicas resistentes al impacto y corrosión / *2 piece spring canister resistant to impact and corrosion* / Tambour de câble en 2 pièces métalliques résistant au choc et á la corrosion	●
Máxima estabilidad / *Maximum estability* / Stabilité maximale	●
Ligero y fácil de usar / *Lightweight and easy-to-use* / Léger et facile á utiliser	●
Peso en uso / *Working weight* / Poids en travail	12 kg
Potencia / *Power* / Puissance	390 W

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗПАСНЫМИ ЧАСТЯМИ

COD.	O.D. mm	L (mm)	L (m)	g	
85104	8	-	4,5	2350	
64240	16	135	-	70	
64241				50	
64242		100		70	
64249		85		85	
64243		35		32	
64244		28		35	
64245		37		25	
64246		40			
64248			20	9750	
64624	-	-	-	100	
85103	16		2,5	1200	

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DRAINMATIC MAX 150

COD.		V	CAP. (mm)	W	R.P.M.	Kg
60282	*	220-240 V (50-60 Hz)	Ø 20-150	390	400	51
60283		110-130 V (50-60 Hz)				

* : Incluye accesorios / *Accessories included* / Accessoires inclus

CE | 12M





ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad tubo / *Pipe capacity* / Capacité de tube	Ø 20-150 mm
Longitud de muelle suministrada / *Supplied spring length* / Longueur du ressort fournie	15 m
Máxima longitud / *Max. Length* / Longueur max.	30 m
Ø Muelle / *Ø Spring* / Ø Diamètre de ressort	Ø 8-16-22 mm
Velocidad de giro / *Turning speed* / Vitesse de rotation	400 rpm
Interruptor de cambio de sentido de giro / *Turning way selector switch* / Bouton de changement de sens de rotation	●
Agarre ergonómico / *Ergonomic grip* / Prise ergonomique	●
Guantes incluidos / *Gloves included* / Gants inclus	●
Tubo de seguridad incluido / *Safe tube included* / Tube de sécurité inclus	●
Máxima estabilidad / *Maximum estability* / Stabilité maximale	●
Ligero y fácil de usar / *Lightweight and easy-to-use* / Léger et facile á utiliser	●
Peso en uso / *Working weight* / Poids en travail	16 Kg
Potencia / *Power* / Puissance	390 W

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗПАСНЫМИ ЧАСТЯМИ

COD.	O.D. mm	L (mm)	L (m)	g	
85100	8	-	4,5	2350	
64240	16	135	-	70	
64241				50	
64249		85		85	
64243		35		32	
64628	22	190		165	
64629		140		175	
64626		57		60	
64625		65		80	
64630	16	-	15	7600	
64631	22			11500	
64623	40		4	2300	
64624	-		-	100	
85101	22		5	2000	
85103	16		2,5	1200	

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DRAINMATIC MAX 200

COD.		V	CAP. (mm)	W	R.P.M.	Kg
60284	*	220-240 V (50-60 Hz)	Ø 50-200	1100	700	80
60285		110-130 V (50-60 Hz)				

* : Incluye accesorios / *Accessories included* / Accessoires inclus

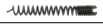
CE | 12M





ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad tubo / *Pipe capacity* / Capacité de tube	Ø 50-200 mm
Longitud de muelle suministrada / *Supplied spring length* / Longueur du ressort fournie	20 m
Máxima longitud / *Max. Length* / Longueur max.	50 m
Ø Muelle / *Ø Spring* / Ø Diamètre de ressort	Ø 30 mm
Velocidad de giro / *Turning speed* / Vitesse de rotation	700 rpm
Interruptor de cambio de sentido de giro / *Turning way selector switch* / Bouton de changement de sens de rotation	●
Guantes incluidos / *Gloves included* / Gants inclus	●
Tubo de seguridad incluido / *Safe tube included* / Tube de sécurité inclus	●
Máxima estabilidad / *Maximum estability* / Stabilité maximale	●
Ligero y fácil de usar / *Lightweight and easy-to-use* / Léger et facile á utiliser	●
Peso en uso / *Working weight* / Poids en travail	45 Kg
Potencia / *Power* / Puissance	1100 W

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗПАСНЫМИ ЧАСТЯМИ

COD.	O.D. mm	L (mm)	L (m)	g	
64632	30	80	-	150	
64634		195		600	
64635		75		280	
64636		265		360	
64637		205		380	
64638		120		230	
64623	40	-	4	2300	
64633	30		20	28000	
64624	-		-	100	
85102	30		5	7000	

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DRAINMATIC MAX 600

COD.		V	CAP. (mm)	W	R.P.M.	Kg
60286	*	220-240 V (50-60 Hz)	Ø 200-600	1600	100-600	140
60287		110-130 V (50-60 Hz)				

* : Incluye accesorios / *Accessories included* / Accessoires inclus

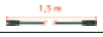
CE | 12M





ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad tubo / *Pipe capacity* / Capacité de tube	Ø 200-600 mm
Longitud de muelle suministrada / *Supplied spring length* / Longueur du ressort fournie	45 m
Máxima longitud / *Max. Length* / Longueur max.	50 m
Velocidad de giro / *Turning speed* / Vitesse de rotation	100-600 rpm
Interruptor de cambio de sentido de giro / *Turning way selector switch* / Bouton de changement de sens de rotation	●
Guantes incluidos / *Gloves included* / Gants inclus	●
Sistema de varillas / *Rod system* / Système de baguette	●
Máxima estabilidad / *Maximum estability* / Stabilité maximale	●
Fácil de transportar / *Easy to transport* / Facile á transporter	●
Peso en uso / *Working weight* / Poids en travail	120 Kg
Potencia / *Power* / Puissance	1600 W

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗПАСНЫМИ ЧАСТЯМИ

COD.	O.D. mm	L (mm)	L (m)	g	
64639	22	250	-	410	
64640				330	
64641		240		320	
64642		250		340	
64643		300		2150	
64669	8 x 22		30 x 1,5	16500	
64624	-	-	-	100	
64653	8 x 22		1,5	2200	

BE SAFE...BE EFFICIENT

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DRAINMATIC MAX 110

COD.		V	CAP. (mm)	W	R.P.M.	Kg
60288	*	220-240 V (50-60 Hz)	Ø 20-110	370	260	31
60289		110-130 V (50-60 Hz)				

* : Incluye accesorios / *Accessories included* / Accessoires inclus

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Avance de muelle automático / *Automatic spring advance* / Avance du ressort automatique	●
Velocidad de avance de muelle / *Spring advance speed* / Vitesse d'avance du ressort	6 m/min
Capacidad tubo / *Pipe capacity* / Capacité de tube	Ø 20-110 mm
Máxima longitud / *Max. Length* / Longueur max.	22,5 m
Ø Muelle / *Ø Spring* / Ø Diamètre de ressort	Ø 12,5 mm
Velocidad de giro / *Turning speed* / Vitesse de rotation	260 rpm
Interruptor de cambio de sentido de giro / *Turning way selector switch* / Bouton de changement de sens de rotation	●
Guantes incluidos / *Gloves included* / Gants inclus	●
Tubo de seguridad incluido / *Safe tube included* / Tube de sécurité inclus	●
Máxima estabilidad / *Maximum estability* / Stabilité maximale	●
Fácil de transportar / *Easy to transport* / Facile á transporter	●
Peso en uso / *Working weight* / Poids en travail	28 kg
Potencia / *Power* / Puissance	370 W

ACCESORIOS INCLUIDOS / *INCLUDED SPARE PARTS* / ACCESSOIRES INCLUS / *EINSCHLIESSLICH ERSATZTEILE* / ACCESSORI INCLUSI / *ACESSÓRIOS INCLUÍDOS* / С ЗПАСНЫМИ ЧАСТЯМИ

COD.	O.D. mm	L (mm)	g	
64644	12,5	135	50	
64645		100	70	
64646		28	35	
64647		37	25	
64683	40	-	2200	
64624	-		100	

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ACCESORIOS DISPONIBLES / *AVAILABLE ACCESORIES* / ACCESOIRES DISPONIBLES / *VORHANDENE ERSATZTEILE* / ACCESSORI DISPONIBILI / *ACESSÓRIOS DISPONÍVEIS* / ИМЕЮЩЕЕСЯ ВСПОМОГАТЕЛЬНОЕ ОБОРУДОВАНИЕ

COD.	Descripción / *Description* / Description	O.D. mm	L (mm)	L (m)	g	Para máquinas / *For machines* / Pour machines	
64644	Taladro en forma de hélice colecta / *Collection helical drills* / Hélicoïdal long embout		135		50		
64645	Taladro en forma de hélice abombada / *Olive-shaped helical drills* / Embout hélicoïdal bombé		100		70		
64646	Cortador de sierra helicoidal / *Helical saw cutters* / Embout á lame circulaire	12,5	28		35	60288, 60289	
64647	Cortador en forma de pala / *Spade-shaped cutters* / Embout á lame plate		37		25		
64240	Taladro en forma de hélice recta / *Straight helical drills* / Embout hélicoïdal droit		135		70	60040, 60041, 60282, 60283	
64241	Taladro en forma de hélice colecta / *Collection helical drills* / Hélicoïdal long embout				50		
64242	Taladro en forma de hélice abombada / *Olive-shaped helical drills* / Embout hélicoïdal bombé		100		70	60040, 60041	
64243	Cortador de sierra de 4 filos / *4-edged saw cutters* / Embout á 4 taillants		35		32	60040, 60041, 60282, 60283	
64244	Cortador de sierra helicoidal / *Helical saw cutters* / Embout á lame circulaire	16	28		35		
64245	Cortador en forma de pala / *Spade-shaped cutters* / Embout á lame plate		37		25	60040, 60041	
64246	Cortador en forma de C / *C shaped cutters* / Embout á lame en C		40				
64249	Extensión de tubo / *Vent-pipe extension* / Rallonge de tube		85		85		
64628	Taladro en forma de hélice recta / *Straight helical drills* / Embout hélicoïdal droit		190		165	60282, 60283	
64629	Taladro en forma de embudo helicoidal / *Funnel shaped helical drills* / Embout conique		140	-	175		
64639	Cortador de sierra helicoidal / *Helical saw cutters* / Embout á lame circulaire		250		410	60286, 60287	
64640	Taladro en forma de hélice colecta / *Collection helical drills* / Hélicoïdal long embout				330		
64641	Cortador en forma de pala / *Spade-shaped cutters* / Embout á lame plate	22	240		320		
64642	Taladro en forma de hélice colecta / *Collection helical drills* / Hélicoïdal long embout		250		340		
64643	Adaptador / *Adapter* / Adaptateur		300		2150		
64625	Cortador de sierra de 4 filos / *4-edged saw cutters* / Embout á 4 taillants		65		80	60282, 60283	
64626	Cortador en forma de pala / *Spade-shaped cutters* / Embout á lame plate		57		60		
64636	Taladro en forma de hélice recta / *Straight helical drills* / Embout hélicoïdal droit		265		360	60284, 60285	
64634	Taladro en forma de embudo helicoidal / *Funnel shaped helical drills* / Embout conique		195		600		
64637	Taladro en forma de hélice colecta / *Collection helical drills* / Hélicoïdal long embout		205		380		
64638	Cortador en forma de C / *C shaped cutters* / Embout á lame en C	30	120		230		
64632	Cortador en forma de pala / *Spade-shaped cutters* / Embout á lame plate		80		150		
64635	Cortador de sierra helicoidal / *Helical saw cutters* / Embout á lame circulaire		75		280		

COD.	Descripción / *Description* / Description	O.D. mm	L (mm)	L (m)	g	Para máquinas / *For machines* / Pour machines	
85104	Alargadera / *Extension* / Rallonge	8	-	4,5	2350	60040, 60041	
85100						60282, 60283	
64248				20	9750	60040, 60041	
64630		16		15	7600	60282, 60283	
85103				2,5	1200	60040, 60041, 60282, 60283	
64631		22		15	11500	60282, 60283	
85101				5	2000		
85102		30			7000	60284, 60285	
64633				20	28000		
64669	Varilla / *Rod* / Baguette	8 x 22		30 x 1,5	16500	60286, 60287	
64653				1,5	2200		
64623	Extensión de tubo / *Vent-pipe extension* / Rallonge de tube	40		4	2300	60288, 60289, 60282, 60283, 60284,60285	
64683	Tubo protector / *Pipe protector* / Tube protecteur				2200	60288	
64624	Guantes protectores / *Protection gloves* / Gants protecteurs	-		-	100	60284, 60285, 60286, 60287, 60288, 60289	

MASTERVISION MINI REC ZOOM

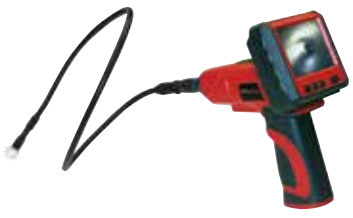








COD.		L (m)	L (')	O.D. mm	Kg
60119	-	1	3	4,5	2,0
60125		2	6		
60134				5,5	
60054	**	1	3		
60139	*			9	
60144		5	15		3,0
60154	-	1	3	11	2,0
60159	*			16	



** : Con cámara frontal y lateral / *With front and side view* / Avec une caméra frontale el latérale
* : Incluye accesorios / *Accessories included* / Accessoires inclus

CE | 12M

Wi Fi



Muelle / *Spring* / Ressort - 11mm (cod.60154 - cod.60096)

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Longitud de inspección / *Inspection length* / Longueur d'inspection	1 m (3') hasta 9 m / *1 m (3') up to 9 m* / 1 m (3') jusqu'à 9 m
Iluminación / *Lighting* / Illumination	4,5 mm: 4 led / 9 mm: 4 led / 11 mm: 4 led / 16 mm: 2 led
Estanqueidad del cabezal / *Waterproof camera head* / Étanchéité de la tête	IP67
Salida de vídeo PAL/NTSC / *PAL/NTSC Video output* / Sortie vidéo PAL/NTSC	●
Sistema de visión directa / *Direct vision system* / Système de vision directe	PAL
Conexión / *Connection* / Connexion	mini-USB
Grabación de vídeo y captación de foto / *Video recording and photographing* / Enregistrement vidéo et capture de photo	Micro SD 4 Gb incluida (hasta 16 Gb) / *Micro SD 4 Gb included (up to 16 Gb)* / Micro SD 4 Gb incluse (jusqu'à 16GB)
ZOOM x3	⌕
Formato de compresión / *Compression format* / Format de compression	Foto-Photo JPG. AVI Video
Monitor / *Monitor* / Moniteur	320(RGB) x 240 Pixel 3,5"TFT-LCD
Dimensiones del monitor / *Monitor dimensions* / Dimensions du moniteur	105 x 92 x 42 mm
Idiomas del menú / *Menu languages* / Langues du menu	10
Batería para el monitor / *Battery for the monitor* / Batterie du moniteur	3,7 V, 1,2 Ah - Batería de litio-ión / *3, 7 V, 1, 2 Ah - Ion-Lithium battery* / 3,7 V, 1,2 Ah - Batterie en lithium-ion
Tiempo de carga / *Charge time* / Temps de recharge	4 h
Duración de la batería / *Battery operation time* / Durée de la batterie	2 h
Sensor de imagen / *Imaging sensor* / Senseur d'image	CMOS
Píxeles en imagen / *Image pixels* / Pixels en image	
60119	320 x 240
60125	320 x 240
60134	320 x 240
60054	640 x 480
60139	640 x 480
60144	640 x 480
60154	640 x 480
60159	704 x 576
Campo de visión / *Field of view* / Champ de vision	50°
Dimensiones de la cámara / *Camera dimensions* / Dimensions de la caméra	195 x 165 x 55 mm
Pilas / *Batteries* / Piles	4 x 1,5V AA
Temperatura de trabajo / *Working temperature* / Température de travail	-10 °C-50 °C / 14 °F-122 °F
Regulación de la intensidad luminosa / *Light intensity regulation* / Régulateur de l'intensité de l'image	●
Pantalla extraíble WIFI / *WIFI Removable screen* / WIFI Écran extractible	●
Sistema inalámbrico / *Wireless system* / Système sans fil	●
Grabación de voz / *Voice recording* / Enregistrement vocal	●
Maleta / *Case* / Malette	●
Inspección de tuberías / *Pipe inspection* / Inspection de tuyauterie	●
Inspección de tejados con goteras / *Leaking water ceiling inspection* / Inspection de toits avec gouttières	●
Inspección de muros en construcción / *Wall inspection while building* / Inspection de murs en phase de construction	●
Inspección de motores / *Engine inspection* / Inspection de moteurs	●

ACCESORIOS DISPONIBLES / *AVAILABLE ACCESORIES* / ACCESOIRES DISPONIBLES / *VORHANDENE ERSATZTEILE* / ACCESSORI DISPONIBILI / *ACESSÓRIOS DISPONÍVEIS* / ИМЕЮЩЕЕСЯ ВСПОМОГАТЕЛЬНОЕ ОБОРУДОВАНИЕ

COD.		Descripción / *Description* / Description	
60097		Fibra óptica / *Spare camera head* / Fibre optique	4,5 mm / L: 1 m
60098			4,5 mm / L: 2 m
60086			5,5 mm / L: 1 m
60071	*		9 mm / L: 1 m
60038			9 mm-L: 1 m. Con cámara frontal y lateral / *9 mm-L: 1 m. With front and side view* / 9 mm-L: 1 m. Avec une caméra frontale et latérale
60088	*		9 mm / L: 5 m
60096			11 mm (muelle)-L: 1 m / *11 mm (spring)-L: 1 m* / 11 mm (ressort)-L: 1 m
60070	*		16 mm / L: 1 m



* : Incluye accesorios / *Accessories included* / Accessoires inclus

COD.		Descripción / *Description* / Description	
60069	*	Extensión / *Extension* / Extension	1 m

* : Diámetro de conexiones: 19mm / *Diameter of connections: 19mm* / Diamètre des connexions: 19mm



COD.	Descripción / *Description* / Description		
60075	Espejo / *Mirror* / Miroir	45°	Accesorios incluidos para la cabeza de cámara de 9 mm, excepto cod. 60038 / *Included spare parts for 9 mm camera head, except cod. 60038* / Accessoires inclus pour la tête de caméra de 9 mm, sauf cod. 60038
60076	Gancho / *Hook* / Crochet	-	
60077	Imán / *Magnet* / Aimant		
60078	Protector / *Protector* / Protecteur		



COD.	Descripción / *Description* / Description		
60072	Espejo / *Mirror* / Miroir	45°	Accesorios incluidos para la cabeza de cámara de 16 mm / *Included spare parts for 16 mm camera head* / Accessoires inclus pour la tête de caméra de 16 mm
60073	Gancho / *Hook* / Crochet	-	
60074	Imán / *Magnet* / Aimant		



MASTERVISION REC

COD.	V	CAP. (mm)		Kg
60061	110 V- 240 V (50-60 Hz)	Ø 40-Ø 200	30	12

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Monitor / *Monitor* / Moniteur	320 x 960 Pixel 7" TFT color
Fuente de luz blanca / *White light source* / Source de lumière blanche	8 LED
Campo visual / *Field of view* / Champ visuel	60°
Profundidad visual / *Depth of view* / Profondeur visuelle	400 mm
Sensor de luminosidad / *Illumination sensor* / Senseur de luminosité	COLOR CCD
Tensión de entrada / *Input voltage* / Voltage d'alimentation	100-240 V
Lector de tarjetas / *Card reader* / Lecteur de cartes	USB
Grabación de vídeo por medio de USB / *USB recording system* / Enregistrement video par USB	●
Salida de vídeo / *Video output* / Sortie de video	●
Cámara estanca / *Waterproof camera* / Boitier étanche	IP X8
Baterías / *Batteries* / Piles	12V DC 1800 mA
Inspección de tubos / *Pipe inspection* / Inspection de tubes	Ø 40-Ø 200 mm
Barra de empuje flexible / *Flexible push rod* / Barre de pulsion fléxible	30 m (100')
Longitud total de cable / *Cable total length* / Longueur totale de câble	30 m (100')
Cámara INOX / *INOX camera* / Boitier INOX	Ø 26 mm (1")
Maleta / *Case* / Malette	53,5 x 22 x 47,5 cm
Temperatura de trabajo / *Working temperature* / Température de travail	-28 °C-50 °C / -18º F -122º F
Bolígrafo USB 1 Gb con puntero láser / *1 Gb pendrive with laser pointer* / Stylo USB 1 Gb avec pointe laser	●

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

MASTERVISION ECO

COD.	V	CAP. (mm)		Kg
60063	110 V- 240 V (50-60 Hz)	Ø 40-Ø 200	30	12

CE 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Monitor / *Monitor* / Moniteur	320 x 960 Pixel 7" TFT color
Campo visual / *Field of view* / Champ visuel	60°
Profundidad visual / *Depth of view* / Profondeur visuelle	400 mm
Sensor de luminosidad / *Illumination sensor* / Senseur de luminosité	COLOR CCD
Tensión de entrada / *Input voltage* / Voltage d'alimentation	100-240 V
Salida de vídeo / *Video output* / Sortie de video	●
Cámara estanca / *Waterproof camera* / Boitier étanche	IP X8
Baterías / *Batteries* / Piles	12V DC 1800 mA
Inspección de tubos / *Pipe inspection* / Inspection de tubes	Ø 40-Ø 200 mm
Barra de empuje flexible / *Flexible push rod* / Barre de pulsion fléxible	30 m (100')
Longitud total de cable / *Cable total length* / Longueur totale de câble	30 m (100')
Cámara INOX / *INOX camera* / Boitier INOX	Ø 26 mm (1")
Maleta / *Case* / Malette	53,5 x 22 x 47,5 cm
Temperatura de trabajo / *Working temperature* / Température de travail	-28 °C-50 °C / -18º F -122º F
Fuente de luz blanca / *White light source* / Source de lumière blanche	8 LED

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ZUBEHÖR* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	L (m)
60057	Carrete de cable / *Cable reel* / Enrouleur de câbles	30



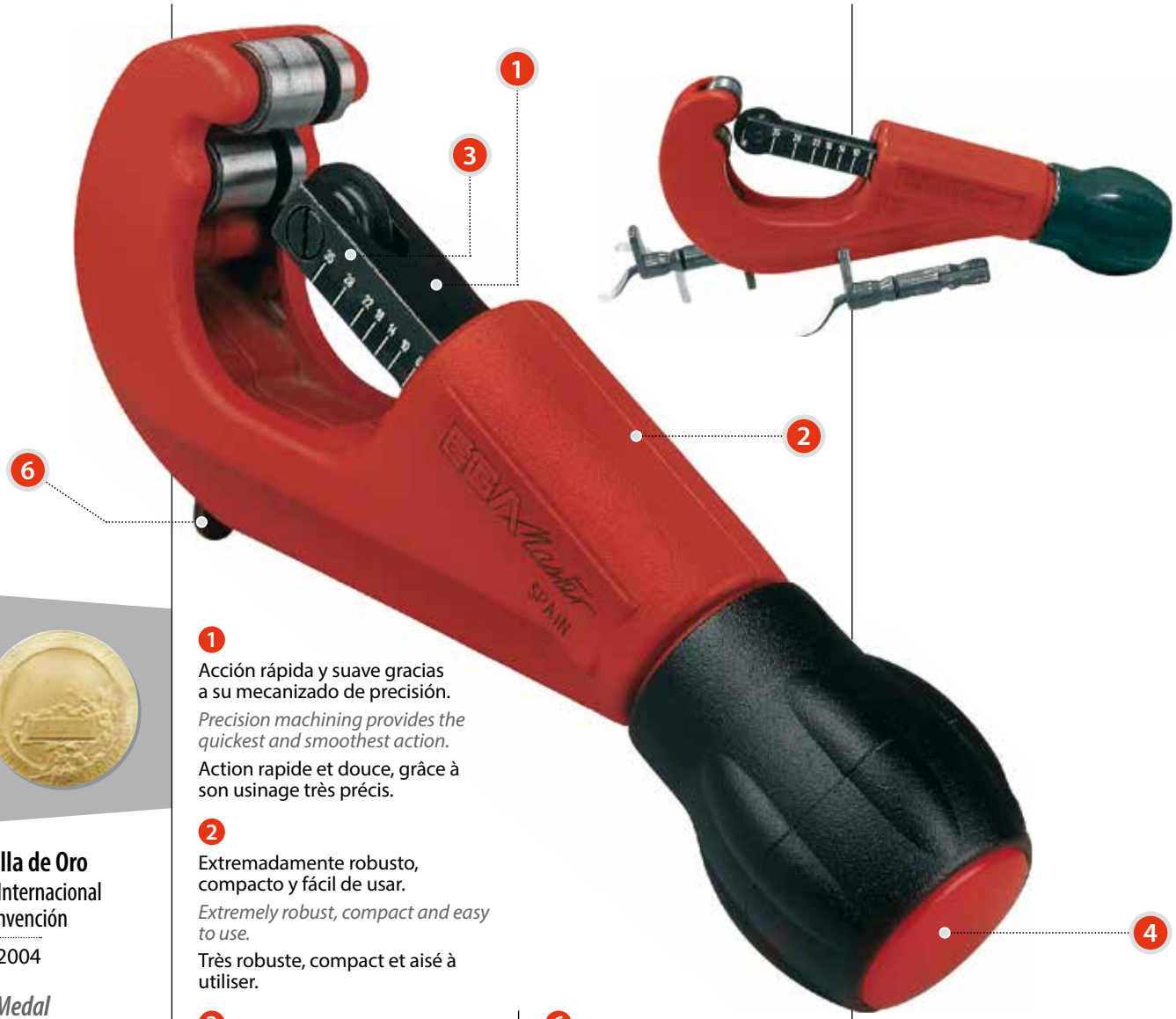
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

21

HERRAMIENTA PARA COBRE
TOOLS FOR COPPER
OUTILLAGE POUR LE CUIVRE
WERKZEUGE FÜR KUPFER
UTENSILI PER RAME
FERRAMENTAS PARA COBRE
ИНСТРУМЕНТ ДЛЯ МЕДИ



21 CORTATUBOS UNIQUE
UNIQUE TUBE CUTTER
COUPE-TUBES UNIQUE





Medalla de Oro
Salón Internacional de la Invención
París 2004

Gold Medal
International Inventors Competition
Paris 2004

Medaille d'Or
Salon International de l'Invention
Paris 2004

1
Acción rápida y suave gracias a su mecanizado de precisión.
Precision machining provides the quickest and smoothest action.
Action rapide et douce, grâce à son usinage très précis.

2
Extremadamente robusto, compacto y fácil de usar.
Extremely robust, compact and easy to use.
Très robuste, compact et aisé à utiliser.

3
Escala graduada marcada en láser para facilitar el posicionamiento.
Laser marked graduated scale to facilitate working action.
Echelle graduée, marquée au laser, pour faciliter le positionnement.

4
Cuchilla de repuesto incluida en el pomo.
Extra cutting wheel at the knob.
Molette de rechange, incluse dans le manche.

5
Puede cortar tubos de cobre, acero inoxidable y plástico con las cuchillas correspondientes.
Able to cut copper, inox and plastic pipes with the proper cutting wheels.
Il peut couper du cuivre, de l'Inox et du plastique avec les molettes correspondantes.

6
Escariador extraíble puede trabajar montado en el cortatubos o de forma independiente.
Extractable reamer can work assembled in the tubing cutter or independently.
L'alésoir extractif peut travailler assemblé au coupe-tubes ou de manière indépendante.

7
Modelo registrado:
Registered model:
Modèle enregistré:
MI.S.146.561





CORTATUBOS / *TUBE CUTTER* / COUPE-TUBES / *KUPFER ROHRABSCHNEIDER* / TAGLIATUBI / *CORTA TUBOS* / ТРУБОРЕЗ

SERIE CU = COBRE / *COPPER* / CUIVRE / *KUPFER* / RAME / *COBRE* / МЕДЬ

MINI

COD.		O.D. mm	g				
63097	CU	3-22	135	20	●	63110	20



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Reforzado / *Reinforced* / Renforcé

MINI 30

COD.		O.D. mm	g				
63168	CU	3-30	210	10	●	63086	20

Modelo registrado / *Registered model* / Modèle enregistré



CLASSIC 32

COD.		O.D. mm	g				
63170	CU	3-32	300	1	●	63110	20



TELESCOPIC 32

COD.		O.D. mm	g				
63105	CU	3-32	290	1	●	63110	20



UNIQUE

COD.		O.D. mm	g				
63119	CU	6-42	550	8	●	63111	10

Modelo registrado / *Registered model* / Modèle enregistré



AUTOMATIC 50

COD.		O.D. mm	g				
63363	CU	6-50	450	1	●	63720	10



TELESCOPIC 70

COD.		O.D. mm	g				
60359	CU	6-70	1100	1	●	60265	10



AUTOMATIC 127

COD.		O.D. mm	g				
63174	CU	50-127	1950	1	●	64106	10



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

KIT 3 PCS.

COD.	PCS.
69465	3

PCS.	COD. PCS.
1	63097
	63170
	63119



EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

SERIE CU = COBRE / *COPPER* / CUIVRE / *KUPFER* / RAME / *COBRE* / МЕДЬ

20 PCS.

COD.	PCS.
55567	20

PCS.	COD. PCS.	O.D. mm
8	63170	Ø32 mm
4	63105	
8	63119	Ø42 mm



ESCARIADORES / *REAMERS* / ALESOIR / *ENTGRATER* / SBAVATORI / *ESCARIADOR* / ЗЕНКОВКА

COD.		g			47 mm	26 mm
63371	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	90	20	●	64008	64447
63375	Latón, Fundición / *Brass, Cast iron* / Laiton, Fonte				64446	64448



COD.		g			47 mm
63370	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	50	20	●	64008
63374	Latón, Fundición / *Brass, Cast iron* / Laiton, Fonte				64446



COD.		g			47 mm
63368	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	10	20	●	64008
63372	Latón, Fundición / *Brass, Cast iron* / Laiton, Fonte				64446



COD.		Descripción / *Description* / Description	L (mm)	
64008	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	Cuchilla / *Blade* / Lame	47	6
64446	Latón, Fundición / *Brass, Cast iron* / Laiton, Fonte			



COD.		Descripción / *Description* / Description	L (mm)	
64447	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	Cuchilla / *Blade* / Lame	26	20
64448	Latón, Fundición / *Brass, Cast iron* / Laiton, Fonte			

COD.		O.D. mm	O.D. inch	g		
63958	Cu, Acero, Plástico, Inox, Latón, Aluminio / *Cu, Steel, Plastic, Inox, Brass, Aluminum* / Cu, Acier, Plastique, Inox, Laiton, Aluminium	8-35	5/16-1.3/8	250	1	●
63959		10-54	1/2-2.1/8	500		



COD.		g	O.D. mm		
63085	Cu, Latón, Aluminio / *Cu, Brass, Aluminum* / Cu, Laiton, Aluminium	235	40	10	●



ESCARIADOR DE CHAFLANES / *CHAMFERBIT* / EBAVUREUR Á CHANFREINS / *ABSCHRÄGER* / SBAVATORE PER SMUSSARE / *ESCARIADOR DE CHANFROS* / ЗЕНКОВКА С РУКОЯТКОЙ

COD.		MAX mm	Crestas / *Crests* / Crête	g	
63776	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	12,4	3	100	6
63777		25		120	



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS (M2)

FRESA CÓNICA / *CONIC MILLING TOOL* / FRAISE CONIQUE / *SCHAFTFRÄSER KONISCH* / FRESA CONICA / *FRESA CÓNICA* / КОНИЧЕСКАЯ ЗЕНКОВКА С РУКОЯТКОЙ

COD.		MAX mm	Crestas / *Crests* / Crête	g	
63778	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	10-34	6	150	6



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS

ESCARIADOR CÓNICO / *TAPER REAMER* / EBAVUREUR CONIQUE / *HANDREIBAHLEN* / SBAVATORE CONICO / *ESCARIADOR CÓNICO* / ЛЕНТОЧНАЯ ЗЕНКОВКА

COD.		MAX mm	Crestas / *Crests* / Crête	g	
63779	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	3-12	6	100	6
63780		10-25	8	120	



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	HSS

RASQUETA / *SCRAPER* / RACLOIR / *ENTGRATER* / RASCHIETTO / *ESPÁTULA* / ШАБЕР

COD.		g			
63376	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	60	20	●	64449



COD.		Válido para / *Valid for* / Valable pour	L (mm)	
64449	Cu, Acero, Plástico, Inox / *Cu, Steel, Plastic, Inox* / Cu, Acier, Plastique, Inox	63376	120	20



CEPILLOS PARA LIMPIEZA DE COBRE / *COPPER CLEANING BRUSHES* / BROSSE DE NETTOYAGE POUR CUIVRE / *KUPFER - REINIGUNGSBÜRSTE* / SPAZZOLE PER RAME / *ESCOVAS PARA LIMPIESA DE COBRE* / ЩЕТКИ ДЛЯ ЗАЧИСТКИ МЕДИ

COD.	CAP. Ø (inch)		g		
63206	1/2-3/4	INT./ EXT.	30	6	●



COD.	CAP. Ø (inch)		g		
63208	1/2	INT.	5	6	●



PARA TUBO DE COBRE RECOCIDO Y ALUMINIO / *FOR SOFT COPPER & ALUMINIUM TUBING* / POUR TUBE EN CUIVRE RECUIT ET ALUMINIUM / *FÜR WEICHES KUPFER UND ALUMINIUM* / PER TUBIRICOTTI E ALLUMINIO / *PARA TUBO DE COBRE RECOZIDO E ALUMINIO* / ДЛЯ МЯГКИХ МЕДНЫХ И АЛЮМИНИЕВЫХ ТРУБ

CURVATUBOS DE CARRACA / *RATCHET TUBE BENDER* / CINTREUSE ARBALÈTE / *EINHAND-BIEGGERÄT* / CURVATUBI A CRICCO / *CURVADORA DE ROQUETE* / АРБАЛЕТНЫЙ ТРУБОГИБ

KITS

COD.	O.D. (mm)	O.D. (inch)			Incluye / *Includes* / Inclus
68165	12 (68130) - 15 (68132) -18 (68134) -22 (68135)	-			
68166	10 (68129), 12 68130), 14 68131), 18 68134), 22 68135)				
68167	10 (68129), 12 (68130), 15 (68132), 18 (68134), 22 (68135)		-	-	
68168	10 (68129), 12 (68130), 16 (68133), 18 (68134), 22 (68135)				
68169	12 (68130), 15 (68132), 18 (68134), 22 (68135)				68118
68170	10 (68129), 12 (68130), 14 (68131), 18 (68134), 22 (68135)	-			
68171	10 (68129), 12 (68130), 15 (68132), 18 (68134), 22 (68135)		63170	63085	
68172	10 (68129), 12 (68130), 16, (68133) 18 (68134), 22 (68135)				
68173	-	3/8 (68136), 1/2 (68137), 5/8 (68138), 3/4 (68139), 7/8 (68140)			



COD.	g
68118	1650



MM

COD.	O.D. mm
68128	8
68129	10
68130	12
68131	14
68132	15
68133	16
68134	18
68135	22



INCH

COD.	O.D. inch
68136	3/8
68137	1/2
68138	5/8
68139	3/4
68140	7/8



KIT MULTICAPA / *KIT MULTILAYER* / KIT MULTICOUCHES / *BIEGEGERÄT SET* / KIT MULTISTRATO / *KIT MULTICAPA* / НАБОР ДЛЯ МЕТАЛЛОПЛАСТИКА


COBRE RECOCIDO
SOFT COPPER
CUIVRE RECUIT


COBRE RECUBIERTO
COVERED COPPER
CUIVRE PLASTIFIE

MULTICAPA
MULTILAYER
MULTICOUCHES

COD.	O.D. (mm)			Incluye / *Includes* / Inclus
68162	16 (68133), 18 (68134), 20 (68139)	-	-	68118
68161		63170	63085	
68228	16 (68133), 18 (68134), 22 (68135)	-	-	
68227		63170	63085	



MUELLES CURVATUBOS / *SPRING TUBE BENDERS* / RESSORT À CINTRER / *KUPFERROHR-AUSSENBIEGEFEDERN* / MOLLE CURVATUBI / *MOLAS CURVA TUBOS* / ПРУЖИННЫЕ ТРУБОГИБЫ



COD.	O.D. mm	O.D. inch	g		
68041	6	-	55	15	●
68048	-	1/4	75		
68042	8	5/16	70		
68049	-	3/8	110		
68043	10	-	100		
68050	-	7/16	115		
68044	12	-	110		
68051	-	1/2	155		
68045	14	-	145		
68046	15		180		
68047	16	5/8	195		
68054	18	-			
68056	-	3/4	200		
68055	22	-	230		

TENAZA CURVATUBOS / *TUBE BENDER* / PINCE À CINTRER / *ZWEIHANDBIEGER* / PINZA CURVATUBI / *CURVADORA PARA TUBOS* / ТРУБОГИБ



COD.	O.D. mm		R (mm)	Kg	
68144	10	0-180°	26	0,3	1
68145	12		30	0,6	
68146	14		34	0,9	
68147	15		38	1,4	
68148	16		40	1,7	
68149	18		45	2,1	

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Aluminio / *Aluminum* / Aluminium



COD.	O.D. mm	O.D. inch		R (mm)	g		
68010	6	-	0-180°	17	500	1	●
68005	-	1/4					
68011	8	5/16		30	600		
68006	-	3/8			900		
68012	10	-		46			
68013	12				950		
68008	-	1/2			1600		
68014	14	-		17			
68015	15			30	1700		
68016	16	5/8		46	2200		

COD.	O.D. mm	O.D. inch		R (mm)	g		
68110	-	1/8-3/16-1/4	0-90°	10	140	1	●
68111	6-8-10	1/4-5/16-3/8	0-180°	20	450		



ABOCINADORES / *FLARING TOOLS* / APPAREIL À BATTRE LES COLLETS / *BÖRDELGERÄT* / FLANGIATUBI / *ABOCARDADORES* / РАЗВАЛЬЦОВКИ

KIT ABOCINADOR CONO EXCÉNTRICO CON CARRACA / *ECCENTRIC CONE FLARING TOOL KIT WITH RATCHET* / KIT DUDGEONNIERE EXCENTRIQUE À CLIQUET / *EXZENTRISCH BÖRDELGERÄT SATZ MIT RATSCHE* / KIT FLANGIATUBI A FRIZIONE CON CRICCHETTO / *KIT ABOCARDADOR CONE EXCÊNTRICO COM ROQUETE* / ВАЛЬЦОВКА ДЛЯ ТРУБ С ЭКСЦЕНТРИКОВЫМ ТРЕЩЕТОЧНЫМ МЕХАНИЗМОМ

COD.	O.D. mm	O.D. inch	90°	Kg	
57610		1/4, 3/8, 1/2, 5/8, 3/4		1,3	
57611	-	1/4, 5/16, 3/8, 1/2, 5/8, 3/4		1,4	
57612		1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4		1,5	
57613	6, 8, 10, 12, 15			1,3	
57614	6, 8, 10, 12, 16, 18	-	●	1,4	1
57615	6, 8, 10, 12, 14, 15, 16, 18			1,5	
57616	6, 8, 10, 12, 15	1/4, 3/8, 1/2, 5/8, 3/4		1,9	
57617	6, 8, 10, 12, 16, 18	1/4, 5/16, 3/8, 1/2, 5/8, 3/4		2,0	
57618	6, 8, 10, 12, 14, 15, 16, 18	1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4		2,2	



ABOCINADOR CONO EXCÉNTRICO CON CARRACA / *ECCENTRIC CONE FLARING TOOL WITH RATCHET* / DUDGEONNIERE EXCENTRIQUE À CLIQUET / *TAUMEL-BÖRDELGERÄT MIT RATSCHE* / FLANGIATUBI CON CRICCHETTO / *ABOCARDADOR CONE EXCÊNTRICO COM ROQUETE* / РАЗВАЛЬЦОВКА С ЭКСЦЕНТРИЧЕСКИМ КОНУСОМ С ТРЕЩЕТКОЙ

COD.	90°	Kg	
57603	●	0,8	1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Aluminio / *Aluminum* / Aluminium



REGLA PARA ABOCINAR / *RATCHET FLARING TOOL* / RÈGLE À DUDGEONNER / *MATRIZE FÜR BÖRDELGERÄT* / SLITTA PER FLANGIATUBI / *RÉGUA PARA ABOCARDADOR* / ВАЛЬЦОВКА ДЛЯ ТРУБ

COD.	O.D. mm	O.D. inch	90°	g	
57604		1/4, 3/8, 1/2, 5/8, 3/4		530	
57605	-	1/4, 5/16, 3/8, 1/2, 5/8, 3/4		600	
57606		1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4	●	680	1
57607	6, 8, 10, 12, 15			530	
57608	6, 8, 10, 12, 16, 18	-		600	
57609	6, 8, 10, 12, 14, 15, 16, 18			680	



ABOCINADOR CONO EXCÉNTRICO / *ECCENTRIC CONE FLARING TOOL* / DUDGEONNIERE EXCENTRIQUE / *TAUMEL-BÖRDELGERÄT* / FLANGIATUBI CONO ECCENTRICO / *ABOCARDADOR CONE EXCÊNTRICO* / РАЗВАЛЬЦОВКА С ЭКСЦЕНТРИЧЕСКИМ КОНУСОМ

COD.	90°	Kg	
68092	●	0,8	1



ABOCINADOR DE TORRETA / *COMPACT FLARING TOOL* / DUDGEONNIERE COMPACTE / *KOMPAKT BÖRDELGERÄT, AUFKLAPPBAR* / FLANGIATUBI A TORRETTA / *ABOCARDADOR DE TORRETA* / КОМПАКТНАЯ РАЗВАЛЬЦОВКА

COD.	O.D. mm	O.D. inch	90°	Kg	
68017	-	3/16-1/4-5/16-3/8-1/2-5/8	●	1,0	1
68018	6-8-10-12-14-15	-			



ABOCINADOR / *FLARING TOOL* / APPAREIL À BATTRE LES COLLETS / *BÖRDELGERÄT* / FLANGIATUBI / *ABOCARDADOR* / РАЗВАЛЬЦОВКИ

COD.	O.D. mm	O.D. inch	90°	g	
68001	-	3/16-1/4-5/16-3/8-7/16-1/2-5/8	●	950	1
68003	4-4,75-6-8-10-12-14	-			



EXPANDIDORES / *EXPANDING TOOLS* / PINCES À EMBOITURE / *EXPANDER* / ESPANSORI / *EXPANDIDORES* / МУФТИРУЮЩИЕ ИНСТРУМЕНТЫ

EXPANKIT

COD.	O.D. mm	O.D. inch			Incluye / *Includes* / Inclus	Kg	
68204	12-15-22-28					3,0	
68205	12-14-18-22	-					
68206	12-15-18-22						
68207		1/2-5/8-3/4-1	3-32 mm (63170)	Ø 40 mm (63085)			
68209	-	3/8-1/2-5/8-3/4-7/8			68175	3,1	1
68220		1/2-3/4-1				3,0	
68221	12-14-16-18-22					2,9	
68223	10-12-14-16-18	-	-			2,8	
68224	12-14-16-18			-		2,7	
68225	12-14-16-18-22					2,8	



COD.		Kg		
68175	1	1,3	1	●



COD.	O.D. mm	g		
68177	10	125		
68178	12	130		
68179	14	135		
68180	15	140		
68181	16			
68182	18	145	8	●
68184	22	150		
68186	28	270		
68188	35	400		
68189	42	430		



COD.	O.D. inch	g		
68190	3/8	125		
68191	1/2	130		
68192	5/8	135		
68193	3/4	140		
68194	7/8			
68195	1	160	8	●
68196	1.1/8	270		
68198	1.3/8	400		
68200	1.5/8	480		



SWAGING KIT

COD.	90°			Kg	
68060	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4"	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	1/8-1.1/4" (63105)	2,8	1



KIT FRIGORISTA / *KIT REFRIGERATION* / KIT FRIGORISTE / *KIT KÜHLUNG* / KIT FRIGORISTI / *KIT FRIGORISTA* / НАБОР ДЛЯ ХОЛОДИЛЬЩИКА

COD.	90°			Kg	
68052	4 - 4,75 - 6 - 8 -10 - 12 - 14 mm (68003)	10 (68043), 12 (68045)-14 (68047)-16 (68044) mm	3-32 mm (63170)	2,3	1
68053	3/16", 1/4", 5/16", 3/8", 1/2", 5/8" (68001)	5/16" (68042), 3/8" (68049), 5/8" (68047), 1/2" (68051)	1/8"-1.1/8" (63170)		



PEINE PARA ALETAS 6 EN 1 / *6 IN 1 FIN COMB* / PEIGNES POUR LAMES 6 EN 1 / *6 IN 1 MESSKAM* / PETTINI PER ALETTE 6 IN 1 / *PENTES DE ALHETAS 6 EM 1* / 6 В 1 ГРЕБЕНЬ ДЛЯ ЛЬНА

COD.		g	
63751	8-9-10-12-14-15	70	1



PEINE PARA ALETAS METÁLICO / *STAINLESS STEEL FIN COMB* / PEIGNES POUR LAMES MÉTALLIQUES / *MESSKAMM ROSTFREI* / PETTINI PER ALETTE IN METALLO / *PENTES DE ALHETAS METALICOS* / ГРЕБЕНЬ ДЛЯ ЛЬНА ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

COD.	g	
63752	30	6



TENAZA GRIP PINZATUBOS / *PINCH OFF GRIP PLIER* / PINCE ÉTAU POUR TUBES / *SCHNEIDGRIPZANGE* / PINZA GRIP PER TUBI / *ALICATES DE GRIFE DE SELAR PARA REFRIGERAÇÃO* / КЛЕЩИ С ПЛАВНОЙ РЕГУЛИРОВКОЙ

COD.	L (inch)	O.D. mm	O.D. inch	g		
63753	7	8,0	5/16	330	6	●



LLAVE DE CHICHARRA / *RATCHET WRENCH* / PINCE À CLIQUET / *RATSCHENSCHLÜSSEL* / CHIAVE A CRICCO / *CHAVES DE ROQUETE* / ТРЕЩЕТКА

COD.	AF inch	g		
63754	1/4, 3/8, 3/16, 5/16	95	12	●



COD.	AF inch	AF inch	g		
63755	1/4, 3/16	1/2, 9/16	160	12	●



ENSANCHADORES DE GOLPE / *SWAGING PUNCHES* / CHASSES GOUPILLES À EMBOITURE / *KLEMM DURCHSCHLAG* / CALIBRATORE PER TUBI / *PUNÇÕES PARA ABOCARDAR* / ПРОБОЙНИКИ

SET

COD.	O.D. inch	g	
63756	1/4, 5/16, 3/8, 1/2, 5/8	550	6



ENSANCHADOR DE GOLPE 3 EN 1 / *3 IN 1 SWAGING PUNCH* / CHASSES GOUPILLES À EMBOITURE 3 EN 1 / *3 IN 1 KLEMM DURCHSCHLAG* / CALIBRATORI PER TUBI 3 IN 1 / *PUNÇÕES PARA ABOCARDAR 3 EM 1* / 3 В 1 ПРОБОЙНИКИ

COD.	O.D. inch	g		
63757	1/2, 5/8, 7/8	550	6	●



ENSANCHADOR DE GOLPE 5 EN 1 / *5 IN 1 SWAGING PUNCH* / CHASSES GOUPILLES À EMBOITURE 5 EN 1 / *5 IN 1 KLEMM DURCHSCHLAG* / CALIBRATORI PER TUBI 5 IN 1 / *PUNÇÕES PARA ABOCARDAR 5 EM 1* / 5 В 1 ПРОБОЙНИКИ

COD.	O.D. inch	g		
63758	1/4, 5/16, 3/8, 1/2, 5/8	280	6	●



PINZA CORTACAPILARES / *CAPILLARY TUBE CUTTER* / PINCE COUPE CAPILAIRES / *MIKROSTRIPPER ZANGE* / PINZA TAGLIACAPILLARI / *ALICATES CORTA CAPILARES* / ТРУБОРЕЗ ДЛЯ КАПИЛЛЯРНЫХ ТРУБОК

COD.	O.D. mm	g		
63759	1-3	85	6	●



PARA LAVABO / *BASIN TOOLS* / OUTILS LAVABO / *WERKZEUG FÜR WASCHBECKEN* / UTENSILI PER LAVABI / *FERRAMENTA PARA LAVABO* / ИНСТРУМЕНТЫ ДЛЯ РАКОВИН, РАДИАТОРОВ

LLAVE PARA RADIADORES / *RADIATOR SPUD WRENCH* / CLÉ DE MONTAGE / *SPEZIAL RATSCHE FÜR HEIZKÖRPER* / CHIAVE DI MONTAGGIO / *CHAVE DE MONTAGEM* / РАДИАТОРНЫЙ КЛЮЧ

COD.
61168

COD.
61169



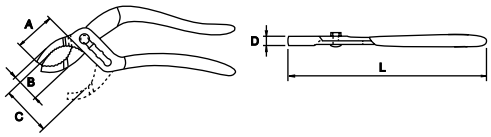
KIT

COD.	g	
61167	490	1

COD. PCS.	O.D. inch
61168	3/8-1/2-3/4-1
61169	



TENAZA DE SIFÓN / *SYPHON PLIER* / PINCE SANIGRIP / *SIPHONZANGE* / PINZA PER SIFONI / *ALICATE DE SIFÃO* / КЛЕЩИ ДЛЯ СИФОНОВ



COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	g		
62136	10	45	36	60	15	300	6	●

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fundas blandas / *Soft sleeves* / Mâchoires de protection en plastique molle



KIT REPARADOR DE GRIFOS / *VALVE RESEATER* / KIT PLOMBIER / *WASSERHAHN-FRÄSGERÄT* / KIT APPARECHI PER RUBINETTI / *KIT REPARADOR DE TORNEIRAS* / НАБОР ДЛЯ ПРИТИРКИ КРАНОВ

COD.		g		
68059	10-12-13-14-15-16	380	1	●



COD.		g		
68058	10-12-13-14-15-16	400	1	●



LLAVES DE LAVABO / *BASIN WRENCHES* / CLÉS LAVABO / *STANDHAHNMUTTERNSCHLÜSSEL* / CHIAVI PER LAVABI / *CHAVES DE LAVABO* / КЛЮЧ ДЛЯ РАКОВИН

STANDARD

COD.	O.D. mm	L (mm)	g		
61008	10-32	288	490	6	●



TELESCOPIC

COD.	O.D. mm	L (mm)	g		
61009	10-32	460	700	6	●



COD.	O.D. mm	L (mm)	g		
61000	15-32	240	500	6	●



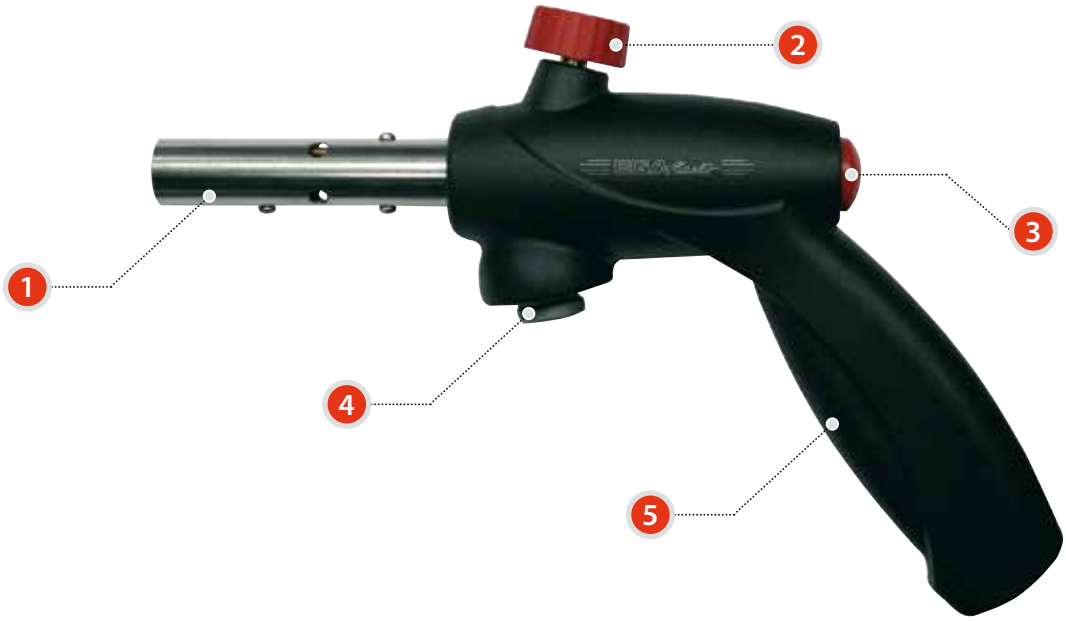
COD.	O.D. inch	L (mm)	g		
61325	1-1.1/4	240	300	6	●



22

SOLDADURA
SOLDERING
SOUDURE
SCHWEISSEN
SALDATURA
SOLDADURA
ПАЙКА





1

Excelente resistencia a altas temperaturas llegando incluso hasta 1750 °C.

Excellent resistance to high temperatures, reaching even 1750°C.

Excellente résistance aux hautes températures, supportant jusqu'á 1750°C.

2

El regulador de gas permite modificar las dimensiones de la llama.

The gas regulator allows the adjustment of the flame dimensions.

Le régulateur de gaz permet la variation des flammes.

3

Auto-encendido piezoléctrico para evitar el uso de agentes externos.

Piezoelectric self-ignition to avoid using external agents.

Auto-allumage piézolectrique pour éviter l'utilisation d'agents extérieurs.

4

Disponible para cartuchos estándar con rosca 7/16".

Available for standard cartidges with 7/16" thread.

Disponible pour des cartouches standards avec filetage de 7/16".

5

Agarre ergonómico para un uso cómodo y eficaz.

Ergonomic handle for a comfortable and effective use.

Prise ergonomique pour une utilisation commode et efficace.



Con abundantes modelos de sopletes con encendido piezoléctrico para adaptarse a los distintos tipos de uso.

Several models of torches with piezoelectric ignition for all different proffesional uses.

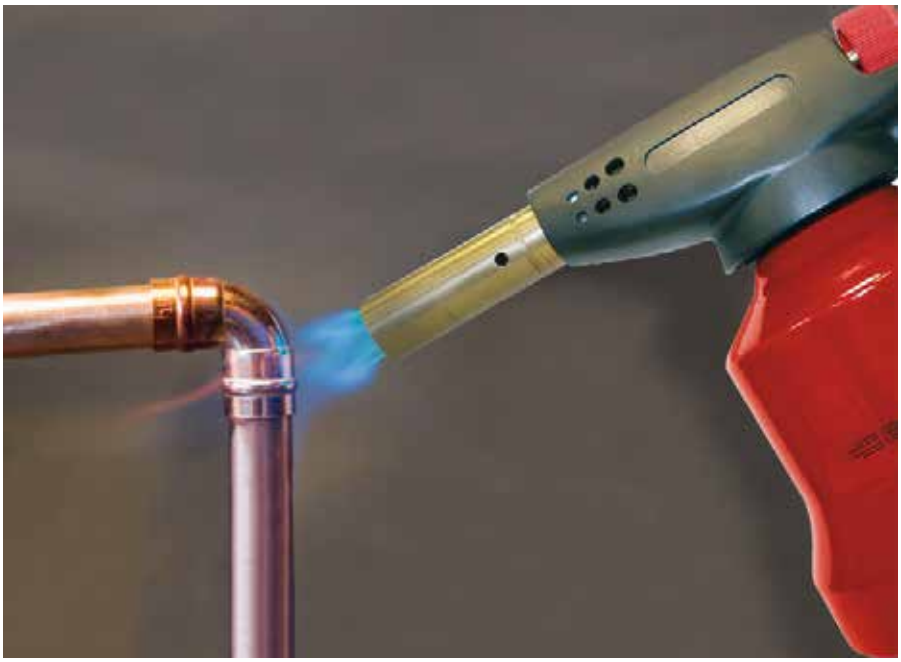
Avec d'abondants modéles de chalumeaux dotés d'un allumage piézolectrique pour tout type d'usage.



Existen diversas soluciones para trabajos en los que no sea posible el acceso de bombonas.

There are several solutions for jobs in which the use of gas cylinders is not possible.

Il existe plusieurs solutions de travail pour les accés impossible avec des bombones.



CANDILEJA / BLOWLAMP / CHALUMEAU / GAS-LÖTBRENNER / LAMPADA PER SALDARE / SOPRADOR / ГОРЕЛКА

COD.	Piezoeléctrico / Piezoelectric / Piezoelectrique	360°		g	
63219	●	●	●	750	1



CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Suministrado sin cartucho de gas / Supplied without gas cartridges / Fourni sans cartouche de gaz

ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tmax. (°C)	1100

SOLDADOR DE ESTAÑO / TIN SOLDERING IRON / SOUDAGE À L´ETAIN / LÖTKOLBEN / SALDATOIO DELLA LATTA / DE SOLDAR A ESTANHO / ПАЙКА

COD.	g		
63235	310	6	1



ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tmax. (°C)	1450

SOPLETES / TORCHES / CHALUMEAUX / LÖTGERÄT / TORCIA / MAÇARICOS / ГОРЕЛКА

SOPLETES PIEZOELÉCTRICOS / PIEZOELECTRIC TORCHES / CHALUMEAUX PIEZOELECTRIQUES / ELEKTRISCHES LÖTGERÄT / TORCIA PIEZOELETTRICO / MAÇARICOS ELÉCTRICOS / ЬЕЗОЭЛЕКТРИЧЕСКАЯ ГОРЕЛКА

COD.	Piezoeléctrico / Piezoelectric / Piezoelectrique	360°			g		
63232	●	●	●	7/16	320	6	1



ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tmax. (°C)	1000-1250



COD.	Piezoeléctrico / Piezoelectric / Piezoelectrique	360°			g		
63234	●	●	●	7/16	160	6	1



ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tmax. (°C)	1000-1250



ACCESORIOS / SPARE PARTS / RECHANGES / ZUBEHÖR / ACCESSORI / ACESSORIOS / ЗАПАСНЫЕ ЧАСТИ

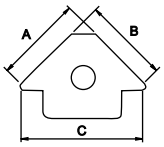
COD.	L (mm)	g	
63242	200	200	1



360° Permite trabajar en posición invertida / Also for overhead operation / Permet travailler en position inverse

Regulador del caudal / Flow regulator / Régulateur du flux

ESCUADRA MAGNÉTICA PARA SOLDADURA / *MAGNETIC WELDING SQUARE* / EQUERRE MAGNETIQUE POUR SOUDURE / *MAGNETISCHE SCHWEISSWINKELHAKEN* / SQUADRA MAGNETICA PER SOLDATORI / *ESQUADRO MAGNÉTICO PARA SOLDADURA* / ЗОНА ДЛЯ СВАРКИ МАГНИТНАЯ



COD.	A (mm)	B (mm)	C (mm)	Grosor (mm) / *Thickness (mm)* / Épaisseur (mm)	Kg	
65766	85	85	120	15	0,5	6

MAGNET



CEPILLOS / *BRUSHES* / BROSSES / *BÜRSTE* / SPAZZOLE / *ESCOVAS* / ЩЕТКИ

CEPILLO UNIVERSAL / *UNIVERSAL BRUSH* / BROSSE UNIVERSELLE / *UNIVERSALE BRÜSTE* / SPAZZOLE UNIVERSALI / *ESCOVA UNIVERSAL* / УНИВЕРСАЛЬНАЯ ЩЕТКА

COD.	MAT.	L (mm)	g	
61578	Acero latonado / *Brassed steel* / Acier laitonné	250	100	3



CEPILLO SOLDADURA / *SOLDERING BRUSH* / BROSSE DE SOUDURE / *LÖTBÜRSTE* / SPAZZOLE PER SALDATORI / *ESCOVA SOLDADURA* / ЩЕТКА СВАРЩИКА

COD.	N.º filas / *Rows* / Rangées	MAT.	L (mm)	g	
61570	3	Acero inoxidable / *Stainless steel* / Acier inoxydable	290	100	3
61572	5			120	



CEPILLO SOLDADURA CON MANGO DE PLÁSTICO / *PLASTIC HANDLE SOLDERING BRUSH* / BROSSE DE SOUDURE AVEC MANCHE PLASTIQUE / *LÖTBRÜSTE MIT KUNSTSTOFF GRIFF* / SPAZZOLE PER SALDATORI CON MANICO IN PLASTICA / *ESCOVA SOLDADURA COM CABO PLÁSTICO* / ЩЕТКА СВАРЩИКА С ПЛАСТИКОВОЙ РУЧКОЙ

COD.	N.º filas / *Rows* / Rangées	MAT.	L (mm)	g	
61579	4	Acero inoxidable / *Stainless steel* / Acier inoxydable	280	120	3



COD.	N.º filas / *Rows* / Rangées	MAT.	L (mm)	g	
61580	4	Acero latonado / *Brassed steel* / Acier laitonné	280	120	3



COD.	N.º filas / *Rows* / Rangées	MAT.	L (mm)	g	
61581	4	Latón / *Brass* / Laiton	280	120	3





23

HERRAMIENTA PARA PLÁSTICO
TOOLS FOR PLASTIC
OUTILLAGE POUR PLASTIQUE
WERKZEUGE FÜR PLASTIK
UTENSILI PER PLASTICA
FERRAMENTAS PARA PLÁSTICO
ИНСТРУМЕНТЫ ДЛЯ ПЛАСТИКА





Medalla de Plata
Salón Internacional de la Invención
París 2004

Silver Medal
International Inventors Competition
Paris 2004

Medaille d'Argent
Salon International de l'Invention
Paris 2004

El especial diseño patentado de cuchilla y la geometría precisa del ángulo de ataque hacen del cortatubos Piraina de EGA Master el más versátil para cortar tubos de PE, PP, PB, VPE, PVDF, PEX, Multicapa e incluso de PVC rígido sin riesgo a que el tubo se fracture en pedazos.

The special patented design of the blade and the accurate geometry of the attack angle, make the EGA Master Piraina® plastic pipe cutter the most versatile tool to cut PE, PP, PB, VPE, PVDF, PEX, Multilayer pipes, even rigid PVC pipes, without risk of pipe breaking.

Le dessin original breveté de la lame et la géométrie précise de l'angle d'attaque, font du coupe tube Piraina de EGA Master, l'outil le plus versatile pour couper des tubes en PE, PP, PB, VPE, PVDF, PEX, Multicouches et aussi le PVC rigide, sans risque de le fendre ou de le casser.

El único cortatubos que puede cortar, además, tubos de Kevlar (SAE 100 R8).
The only pipe cutter also able to cut Kevlar pipes (SAE 100 R8).
L'unique coupe tubes capable de couper des tubes en Kevlar (SAE 100 R8) aussie.



Esencial para profesionales con las más altas exigencias.
Essential for demanding professionals.
Essentiel pour les professionnels les plus exigeants.

Por todo ello fue merecedor de la **Medalla de Plata** en el Salón Internacional de la Invención, Concours Lepine, París, mayo 2004.

*Due to these reasons, it won the **Silver Medal** in the prestigious International Inventors Competition in Paris, may 2004.*

Pour ces raisons, il fut récompensé de la **Médaille d'Argent**, au Salon International de l'Innovation, Concours Lépine, Paris, mai 2004.



Geometría de precisión
Precise geometry
Géométrie de précision



Kevlar



PVC rígido
Rigid PVC
PVC rigide

CORTATUBOS PARA TUBO DE PLÁSTICO / *PLASTIC PIPE CUTTER* / COUPE-TUBE PLASTIQUE / *KUNSTSTOFFROHRSCHERE* / CESOIA PER TUBI DI PLASTICA / *TESOURA PARA TUBO DE PLASTICO* / ТРУБОРЕЗ ДЛЯ ПЛАСТИКА

PIRAINA®

COD.	O.D. mm	O.D. inch	g			V
63205	42	1.5/8	550	6	●	64045
63204						64039



Modelo registrado / *Registered model* / Modèle enregistré

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Válido para / *Valid for* / Valable pour		
	63205	KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER
	63204	PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER

COD.	O.D. mm	O.D. inch	g			V
63846	51	2	475	6	●	64751
63847	64	2.1/2	550			64752



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER

PVC

COD.	O.D. mm	O.D. inch	g			
63199	35	1.3/8	175	6	●	64688



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	PB, PEX, MULTILAYER

STANDARD

COD.	O.D. mm	O.D. inch	g			
63200	42	1.5/8	250	6	●	64003



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	PE, PP, PB, VPE, PVDF, MLP, PPR, PEX, MULTILAYER

COD.	O.D. mm	O.D. inch	g			
63933	63	2.1/2	1200	1	●	63940



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	PE, PP, PB, VPE, PVDF, MLP, PPR, PEX, MULTILAYER

CORTATUBOS AUTOMÁTICO PARA TUBO DE PLÁSTICO / *AUTOMATIC PLASTIC PIPE CUTTER* / COUPE-TUBE PLASTIQUE AUTOMATIQUE / *AUTOMATIK-KUNSTSTOFFROHRSCHERE* / TAGLIATUBI AUTOMATICO PER TUBI DI PLASTICA / *CORTA TUBOS DE PLASTICO* / АВТОМАТИЧЕСКИЙ ТРУБОРЕЗ ДЛЯ ПЛАСТИКА

COD.	O.D. mm	O.D. inch	g			
63201	35	1.3/8	550	1	●	64004



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER

COD.	O.D. mm	O.D. inch	g			
63202	42	1.5/8	700	1	●	64034



Modelo registrado / *Registered model* / Modèle enregistré

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Válido para / *Valid for* / Valable pour	KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER

UNIQUE

COD.	O.D. mm	O.D. inch	MAT.	g				
63079	6-35	1/4-1.3/8		500	1			
63120	6-42	1/4-1.5/8	PLASTIC	550	8	●	63112	10
63189	6-45	1/4-1.3/4		600	1			



AUTOMATIC 50

COD.	O.D. mm	O.D. inch	MAT.	g				
63365	6-50	1/4-2	PLASTIC	450	1	●	63722	10



AUTOMATIC 67

COD.	O.D. mm	O.D. inch	MAT.	g				
63108	6-67	1/4-2.5/8	PLASTIC	750	1	●	63081	10



AUTOMATIC 127

COD.	O.D. mm	O.D. inch	MAT.	g				
63173	50-127	2-5	PLASTIC	1950	1	●	64105	10



ESCARIADOR EXTERIOR PARA TUBO DE PLÁSTICO / *EXTERNAL REAMER FOR PLASTIC PIPE* / EBAVUREUR À TUBE / *ANFASGERÄT FÜR KUNSTSTOFFROHRE* / SBAVATORE ESTERNI PER TUBO DI PLASTICA / *ESCARIADOR EXTERIOR PARA TUBO DE PLÁSTICO* / ВНЕШНЯЯ РАЗВЕРТКА ДЛЯ ПЛАСТИКОВЫХ ТРУБ

COD.	O.D. mm	O.D. inch	Kg		
67977	25-160	1-6.5/16	0,8	1	67979
67978	40-315	1.3/8-12.3/8	1,4		67980



SOLDADOR TUBO DE PLÁSTICO / *PLASTIC PIPE WELDER* / APPAREIL Á SOUDER / *MUFFENSCHWEISSGERÄT* / POLIFUSORE / *SOLDADOR DE TUBO PLÁSTICO* / ПАЯЛЬНИК ДЛЯ ПЛАСТИКОВЫХ ТРУБ

SOLDAMATIC DIGITAL 800 / *DIGITAL SOLDAMATIC 800* / SOLDAMATIC DIGITAL 800 / *DIGITALES SOLDIERAPPARAT 800* / POLIFUSORE DIGITALE 800 / *SOLDAMATIC DIGITAL 800* / ЦИФРОВОЙ ПАЯЛЬНИК SOLDAMATIC 800

COD.	O.D. mm	W	V	Kg	
62884	20-63	800	110-130V(50-60Hz)	1,8	1

CE | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	PE, PB, PPR
Temperatura de trabajo / *Working temperature* / Température de travail	200-290 ºC



SOLDAMATIC DIGITAL 800 CON VASOS 20, 25, 32 / *DIGITAL SOLDAMATIC 800 WITH SOCKETS 20,25,32* / SOLDAMATIC DIGITAL 800 AVEC DOUILLE 20,25,32 / *DIGITALES SOLDIERAPPARAT 800 MIT KÖPFE 20,25,32* / POLIFUSORE DIGITALE 800 CON BUSSOLE 20,25,32 / *SOLDAMATIC DIGITAL 800 COM MATRIZES 20,25,32* / ЦИФРОВОЙ ПАЯЛЬНИК SOLDAMATIC 800 С РОЗЕТКАМИ 20,25,32

COD.	O.D. mm	Vasos incluidos / *Included Sockets* / Douilles incluses	W	V	Kg	
62886	20-63	20-25-32	800	110-130V(50-60Hz)	2,4	1

CE | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	PE, PB, PPR
Temperatura de trabajo / *Working temperature* / Température de travail	200-290ºC



SOLDAMATIC DIGITAL 1200 / *DIGITAL SOLDAMATIC 1200* / SOLDAMATIC DIGITAL 1200 / *DIGITALES SOLDIERAPPARAT 1200* / POLIFUSORE DIGITALE 1200 / *SOLDAMATIC DIGITAL 1200* / ЦИФРОВОЙ ПАЯЛЬНИК SOLDAMATIC 1200

COD.	O.D. mm	W	V	Kg	
62889	20-125	1200	220-240V(50-60Hz)	2,5	1
62888			110-130V(50-60Hz)		

CE | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	PE, PB, PPR
Temperatura de trabajo / *Working temperature* / Température de travail	200-290 ºC



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

SOLDAMATIC DIGITAL 1200 CON VASOS 75, 90, 110 / *DIGITAL SOLDAMATIC 1200 WITH SOCKETS 75, 90, 110* / SOLDAMATIC DIGITAL 1200 AVEC DOUILLE 75, 90, 110 / *DIGITALES SOLDIERAPPARAT 1200 MIT KÖPFE 75,90,110* / POLIFUSORE DIGITALE 1200 CON BUSSOLE 75, 90, 110 / *SOLDAMATIC DIGITAL 1200 COM MATRIZES 75,90, 110* / ЦИФРОВОЙ ПАЯЛЬНИК SOLDAMATIC 1200 С РОЗЕТКАМИ 75, 90, 110

COD.	O.D. mm	Vasos incluidos / *Included Sockets* / Douilles incluses	W	V	Kg	
62891	20-125	75-90-110	1200	220-240V(50-60Hz)	5,0	1
62890				110-130V(50-60Hz)		

CE 12M





ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Válido para / *Valid for* / Valable pour	PE, PB, PPR
Temperatura de trabajo / *Working temperature* / Température de travail	200-290 °C

VASOS / *SOCKETS* / DOUILLE / *STECKSCHLÜSSEL* / BUSTA / *CABEÇA MOLDE* / РОЗЕТКИ

COD.	O.D. mm	g	
62892	20	75	
62893	25	115	
62894	32	175	
62895	40	370	
62896	50	420	
62897	63	550	1
62898	75	400	
62899	90	600	
62900	110	1000	
62901	125	1300	





12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

24

HERRAMIENTA PARA MADERA
TOOLS FOR WOOD
OUTILLAGE POUR LE BOIS
WERKZEUGE FÜR HOLZ
UTENSILI PER LEGNO
FERRAMENTAS PARA MADEIRA
ИНСТРУМЕНТ ДЛЯ ДЕРЕВА



FORMONES / *FIRMER CHISELS* / CISEAUX À BOIS / *STECHBEITEL* / SCALPELLI / *FORMOES* / СТАМЕСКИ

Hoja de acero especial, rectificada / *Precision machined steel blade* / En acier special trempé et poli / *Geschlieffene stechbeitel aus spezialstahl* / Lama-inacciao specialo rettificata / *Lâmina de aço especial rectificada* / Стальная режущая часть сверхточной обработки

TITACROM® BIMAT

COD.	mm	g		
67169	6	130		
67170	8	135		
67171	10	140		
67172	12	145		
67173	14	150		
67174	15	155		
67175	16	160	12	•
67176	18	170		
67177	20	175		
67178	22	180		
67179	25	190		
67180	30	200		
67181	32	210		



TITACROM® BIMAT | DIN 5139

EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *DISPLAY* / ESPOSITORI / *EXPOSIÇAO INDIVIDUAL* / СТЕНДЫ

TITACROM® BIMAT

60 PCS.

COD.	PCS.
55665	60

PCS.	COD. PCS.	mm
6	67169	6
	67170	8
	67171	10
	67172	12
	67174	15
	67176	18
	67177	20
	67178	22
	67179	25
	67180	30



KITS

TITACROM® BIMAT

4 PCS.

COD.	PCS.
69481	4

PCS.	COD. PCS.	mm
1	67171	10
	67172	12
	67174	15
	67176	18

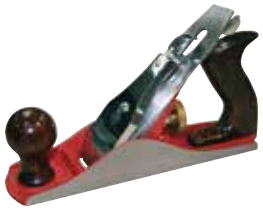




• Presentador individual / *Individual display* / Conditionnement unitaire

CEPILLOS / *JACK PLANES* / RABOTS / *SCHLICHTHOBEL* / PIALLA / *PLAINAS* / РУБАНКИ

COD.	L (mm)	g		
67052	350	2,0	1	64239

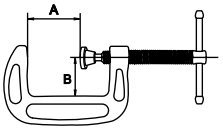


SARGENTOS / *CLAMPS* / SERRE-JOINTS / *ZWINGEN* / MORSETTI SERRAGIUNTI / *GRAMPOS* / СТРУБЦИНЫ

MOD. G

COD.	A max (mm)	B (mm)	g		Kgf *
69570	50	30	195	6	120
69571	75	52	700		150
69572	100	60	900	4	255
69574	150	65	1600	3	355
69575	200	83	1900		400





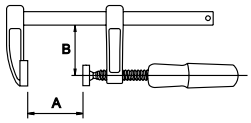
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Kgf *: fuerza de amarre / *Kgf *: fastening force* / Kgf *: force de serrage

MOD. F

COD.	A max (mm)	B (mm)	g		Kgf *
69580	150	50	450	6	225
69581	200		600		
69582		80	1000		360
69583	250		1150		
69585	300	120	1600	2	600
69586	400		1800		
69588	600		2200		
69589	800		2700		
69590	1000		3000		





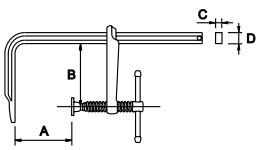
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Kgf *: fuerza de amarre / *Kgf *: fastening force* / Kgf *: force de serrage

FORJADO / *FORGED* / FORGÉ / *GESCHMIEDET* / FORGIATO / *FORJADO* / ЗАКАЛЕННАЯ

COD.	A max (mm)	B (mm)	C (mm)	D (mm)	g		Kgf *
69961	250	80	6	15,5	650	6	255
69965		100	9,5	19	900		300
69967	400				1200	2	
69968	500				1600		
69970	250	120	10	21,5	1100		400
69972	400				1400		
69975	800				1900		
69977	1200				2900		





CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Kgf *: fuerza de amarre / *Kgf *: fastening force* / Kgf *: force de serrage

PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

CENTRAL HIDROELÉCTRICA DATENGXIA / DATENGXIA HYDROPOWER STATION / CENTRALE HYDROÉLECTRIQUE DATENGXIA

CON EGAWARE / WITH EGAWARE / AVEC EGAWARE

CHINA / CHINE







25

CORTE
CUTTING
OUTILS COUPANTS
SCHNEIDWERKZEUG
ARCHETTI
CORTE
РЕЗКА



25 CORTAVARILLAS
BOLT CUTTERS
COUPE-BOULONS

Los cortavarillas EGA Master están perfectamente diseñados y fabricados para cortar varillas cilíndricas, varillas de encofrador, mallas de alambre, cables, pernos, etc.

***EGA Master** bolt cutters are perfectly designed and manufactured for cutting rod, bolts, concrete from ties, cable and wires.*

Les coupe-boulons EGA Master sont parfaitement conçus et fabriqués pour la coupe des tiges, des boulons, des câbles et des fils.

Regulación central / *Central regulation* / Réglage central



Regulación lateral / *Lateral regulation* / Régulation latérale



Mangos forjados / *Forged handles* / Les bras forgés



1

Sistema multiplicador de par de corte.

Cutting leverage multiplying system.

Accroissement de la coupe par le système multiplicateur.

2

El diseño especial reforzado de cabeza permite cortar varillas, pernos, etc. a muy poca distancia de la superficie desde la que sobresalen. El juego de cuchillas está fabricada en cromo-molibdeno, dándole una mayor resistencia y durabilidad gracias a la dureza 62 HRC.

Its strong & specially designed head permits cutting bolts and rods at a very small distance from the surface where they stick out from. Cutting-blades are made in Chrome-Molibdenum, providing a bigger resistance and durability due to their 62 HRC hardness.

Les mâchoires sont robustes et spécialement concues pour couper au ras du mur. Les taillants sont en Chrome Molibdéne d'une dureté de 62 HRC, ce qui confère une plus grande résistance et longévité aux mâchoires.

3

Gran capacidad de corte.

Great cutting capacity.

Capacité de coupe trés importante.

4

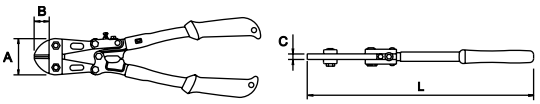
Mangos ergonómicos y confortables.

Ergonomic and comfortable handles.

Manches ergonomiques et confortables.

CORTAVARILLAS / *BOLT CUTTERS* / COUPE-BOULONS / *BOLZENSCHNEIDER* / TAGLIABULLONI / *CORTA VARÃO* / АРМАТУРНЫЕ НОЖНИЦЫ

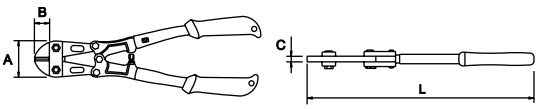
A



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	CAP 50 kg/mm² 140 kg/mm²	Kg		
62193	14	350	60	26	7,0	7-5	1,1	6	64096
62194	18	450	70	29	8,0	8-6	1,5	2	64097
62195	24	600	85	33	9,5	10-8	2,4		64098
62196	30	750	95	36	11	13-10	3,7		64099
62197	36	900	110	39	13	16-12	6,0	1	64100
62198	42	1050	120	43	14	19-14	8,0		64101
62199	48	1200	155	60	17	22-16	14		64700



B



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	CAP 50 kg/mm² 140 kg/mm²	Kg		
62201	14	350	60	26	7,0	7-5	1,1	6	64056
62202	18	450	70	29	8,0	8-6	1,5	2	64057
62203	24	600	85	33	9,5	10-8	2,4		64058
62204	30	750	95	36	11	13-10	3,7	1	64059
62205	36	900	110	39	13	16-12	6,0		64060
62206	42	1050	120	43	14	19-14	8,0		64061



KIT 9 PCS.

COD.	PCS.	
62191	9	A

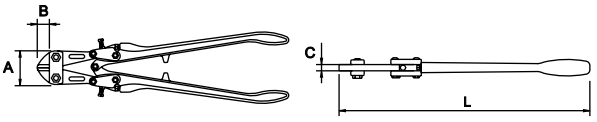
PCS.	COD. PCS.	
2	62193	14"-350 mm
	62194	18"-450 mm
	62195	24"-600 mm
	62196	30"-750 mm
1	62197	36"-900 mm



COD.	PCS.	
62190	9	B

PCS.	COD. PCS.	
2	62201	14"-350 mm
	62202	18"-450 mm
	62203	24"-600 mm
	62204	30"-750 mm
1	62205	36"-900 mm

MANGOS FORJADOS / *FORGED HANDLES* / MANCHES FORGÉS / *STAHL GESCHMIEDET* / MANICI FORGIHTI / *CABOS FORJADOS* / КОВАННЫЕ РУКОЯТКИ



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	CAP 50 kg/mm² 140 kg/mm²	Kg		
62785	14	350	60	26	7	7-5	1,3		64453
62786	18	450	70	32	8	8-6	1,8		64454
62787	24	600	85	34	9,5	10-8	3,2	1	64455
62788	30	750	95	39	11	13-10	4,5		64456
62789	36	900	110	43	13	16-12	7,0		64457



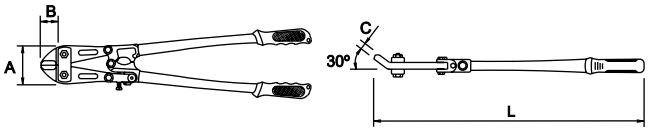
KIT 9 PCS.

COD.	PCS.
62192	9

PCS.	COD. PCS.	
2	62785	14"-350 mm
	62786	18"-450 mm
	62787	24"-600 mm
	62788	30"-750 mm
1	62789	36"-900 mm



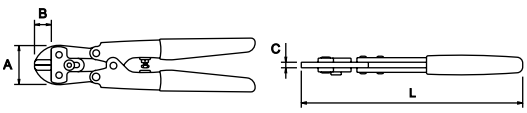
CORTAVARILLAS FILO ANGULAR / *ANGULAR EDGE BOLT CUTTERS* / COUPE BOULON MACHOIRE COURBE / *ECKRAND BOLZENSCHNEIDER* / TAGLIABULLONI FILO ANGOLARE / *CORTA VARÃO DE FIO ANGULAR* / АРМАТУРНЫЕ НОЖНИЦЫ С РЕГУЛИРОВКОЙ



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	CAP 50 kg/mm² 140 kg/mm²	Kg		
62813	18	450	70	29	8	8-6	1,8	1	64689
62814	24	600	85	33	9,5	10-8	2,6		64690



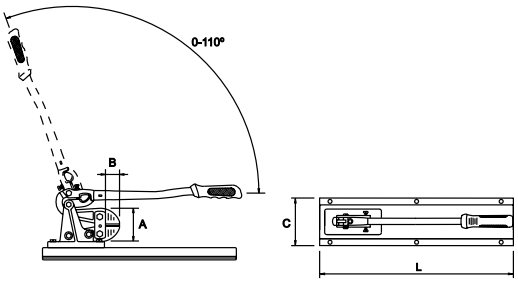
CORTAVARILLAS / *BOLT CUTTERS* / COUPE-BOULONS / *BOLZENSCHNEIDER* / TAGLIABULLONI / *CORTA VARÃO* / АРМАТУРНЫЕ НОЖНИЦЫ



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	CAP 140 kg/mm²	Kg		
62200	8	200	39	16	4,5	3	0,3	6	●



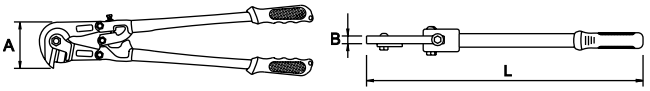
CORTAVARILLAS DE MESA / *BENCH TYPE BOLT CUTTER* / COUPE-BOULONS SUR PLATEAU / *TISCHBOLZENSCHNEIDER* / TAGLIABULLONI DA BANCO / *CORTA VARÃO DE BANCADA* / ВЕРСТАЧНЫЕ АРМАТУРНЫЕ НОЖНИЦЫ





COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	CAP 50 kg/mm² 140 kg/mm²	Kg		
62513	24	600	85	34	135	10-8	5,5	1	64334

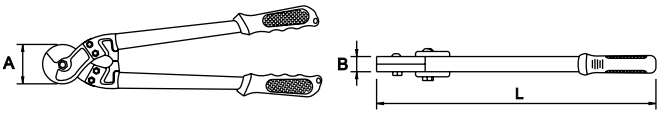
CORTAVARILLAS BOCA PELÍCANO / *PELICAN BOLT CUTTER* / COUPE-BOULONS "BEC PELICAN" / *BOLZENSCHNEIDER MAULSCHLÜSSEL* / TAGLIABULLONI / *TESOURA CORTA VARÃO BOCA PELICANO* / АРМАТУРНЫЕ НОЖНИЦЫ «ПЕЛИКАН»





COD.	L (inch)	L (mm)	A (mm)	B (mm)	CAP 50 kg/mm² 140 kg/mm²	Kg		
62514	24	600	100	9,5	9-7	2,7	1	64335

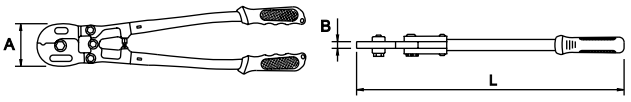
CORTACABLES PARA CU-AL / *CU-AL CABLE CUTTERS* / COUPE CÂBLES POUR CU/AL / *STAHLDRAHT SCHNEIDER FÜR CU/AL* / TAGLIACAVI PER CU/AL / *CORTACABOS PARA CU/AL* / КАБЕЛЬНЫЕ НОЖНИЦЫ





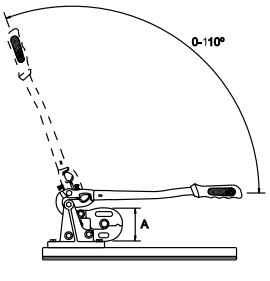
COD.	L (inch)	L (mm)	A (mm)	B (mm)	CAP 50 kg/mm²	Kg		
62515	18	450	65	8,0	12	1,7	1	64331
62516	32	800	90	9,0	16	3,6		64332

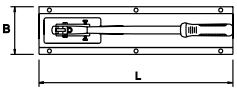
CORTACABLES DE ACERO REFORZADO / *H.D. WIRE ROPE CUTTER* / COUPE CABLES EN ACIER RENFORCÉ / *VERSTÄRKTER STAHLDRAHT BOLZENSCHNEIDER* / CESOIA PER CAVI / *TESOURA CORTA CABOS DE AÇO REFORÇADO* / УСИЛЕННЫЕ КАБЕЛЕРЕЗЫ





COD.	L (inch)	L (mm)	A (mm)	B (mm)	CAP 50 kg/mm² 140 kg/mm²	Kg		
62517	24	600	90	9,5	14-10	2,4		64328
62518	36	900	105	13	18-12	4,7	1	64329
62519	42	1050	120	15	22-13	8,0		64330

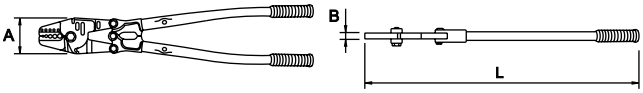




COD.	L (inch)	L (mm)	A (mm)	B (mm)	CAP 50 kg/mm² 140 kg/mm²	Kg		
62520	24	600	90	135	10-8	5,5	1	64328

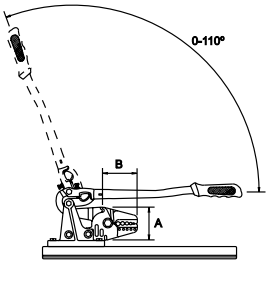


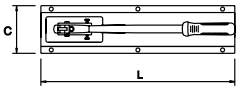
TENAZA DE ENGASTAR / *SWAGING TOOL* / PINCE À SERTIR / *KABELKLEMMZANGE* / PINZA PER CAPICORDA / *TURQUES DE ENGASTAR* / ОПРЕССОВОЧНЫЙ ИНСТРУМЕНТ



COD.	L (inch)	L (mm)	A (mm)	B (mm)	CAP mm	Kg		
62521	24	600	85	12	1,5-5	2,5	1	64333







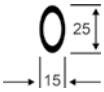
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	CAP mm	Kg		
62522	24	600	85	80	135	1,5-5	6,0	1	64333



ARCO DE SIERRA / *HACK SAW* / MONTURE DE SCIE À METAUX / *METALLSÄGEBOGEN* / ARCHETTI / *ARCOS DE SERRA* / НОЖОВКА

KRONOS

0º & 45º & 90º



COD.	inch	mm	g	
63742	12	300	900	3

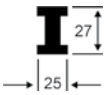


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Aluminio / *Aluminum* / Aluminium

APOLO II

0º & 45º & 90º



COD.	inch	mm	g	
63781	12	300	750	3

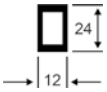


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Aluminio / *Aluminum* / Aluminium

HÉRCULES

0º & 45º & 90º



COD.	inch	mm	g	
63748	12	300	600	3

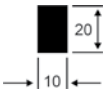


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Aluminio / *Aluminum* / Aluminium

TITÁN

0º & 90º



COD.	inch	mm	g	
63745	12	300	450	6

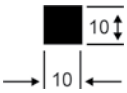


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero / *Steel* / Acier

MINIPROF

90º



COD.	inch	mm	g	
63299	6	150	165	6



HOJAS DE SIERRA / *HACK SAW BLADES* / LAMES DE SCIES / *METALLSÄGEBLÄTTER* / LAME PER SEGHETTI / *FOLHA DE SERRA* / ПОЛОТНА ДЛЯ НОЖОВКИ

COD.	L (inch)	TPI	Kg	
64433	12	14	1,9	100
64434		18		
64435		24		
64436		32		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero al carbono / *Carbon steel* / Acier en carbonne

COD.	L (inch)	TPI	Kg	
64437	12	14	1,9	100
64438		18		
64439		24		
64440		32		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

HSS-Bimetal

Irrompible / *Unbreakable* / Indéchirablé

COD.	L (inch)	TPI	Kg	
64441	12	14	1,9	100
64442		18		
64443		24		
64444		32		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

HSS-Bimetal (cobalt)

Irrompible / *Unbreakable* / Indéchirablé

ACERO ESPECIAL TEMPLADO / *HARDENED SPECIAL STEEL* / ACIER TREMPÉ SPÉCIAL / *GEHÄRTET SPEZIAL STAHL* / ACCIAIO SPECIALE TEMPRATO / *AÇO ESPECIAL TEMPERADO* / СТЕЦИАЛЬНО ЗАКАЛЕННАЯ СТАЛЬ

COD.	L (inch)	TPI	g	
63771	6	24	30	6



TIJERAS ARTICULADAS Y CORTACHAPA / *TIN SNIPS* / CISEAUX ARTICULÉES ET POUR TOLE / *BLECHSCHERE* / CESOIE ARTICOLATI PER LAMIERE / *TESOURAS ARTICULADAS E CORTA-CHAPAS* / НОЖНИЦЫ ДЛЯ РЕЗКИ ЛИСТОВОГО МЕТАЛЛА

TIJERAS ARTICULADAS / *AVIATION TIN SNIPS* / CISAILLE ARTICULÉE / *BLECHSCHERE* / CESOIE A DOPPIA LEVA / *TESOURAS ARTICULADAS* / НОЖНИЦЫ ДЛЯ ЛИСТОВОГО МЕТАЛЛА

COD.	L (mm)	L (inch)	CAP mm	g		
62169	250	10	1,2	380	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Derecha / *Right* / Droite

COD.	L (mm)	L (inch)	CAP mm	g		
62170	250	10	1,2	380	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Recto / *Straight* / Droit

COD.	L (mm)	L (inch)	CAP mm	g		
62171	250	10	1,2	380	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Izquierda / *Left* / Gauche

TIJERAS ARTICULADAS REFORZADAS / *REINFORCED AVIATION TIN SNIPS* / CISAILLE ARTICULEE RENFORCÉE / *VERSTÄRKTE BLECHSCHERE* / CESOIE A DOPPIA LEVA RINFORZATA / *TESOURAS ARTICULADAS REFORÇADAS* / УСИЛЕННЫЕ НОЖНИЦЫ ДЛЯ ЛИСТОВОГО МЕТАЛЛА

COD.	L (mm)	L (inch)	CAP mm	g		
62188	250	10	1,2	470	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Derecha / *Right* / Droite

COD.	L (mm)	L (inch)	CAP mm	g		
62189	250	10	1,2	470	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Izquierda / *Left* / Gauche

TIJERAS PARA CHAPA / *TIN SNIPS* / CISAILLES À TOLE / *BLECHSCHEREN* / CESOIE PER LAMIERA / *TESOURA PARA CHAPA* / НОЖНИЦЫ ДЛЯ ЛИСТОВОГО МЕТАЛЛА

COD.	L (inch)	CAP mm	g		
62232	8	0,5	350	6	●
62159	10	1	550		
62233	12	1,2	700	4	-
62234	14		900		



CORTADORES / *CUTTERS* / CUTTERS / *MESSER* / CUTTERS / *CORTADORES* / РЕЗАКИ

COD.	mm	g			
69501	0,6	110	12	●	64005



COD.	mm	g			
69502	0,6	35	12	●	64005



COD.		g			
63874	0,5	135	10	●	63868



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Carga automática con 7 cuchillas / *Automatic load with 7 blades* / Charge automatique avec 7 lames

CORTADORES DE SEGURIDAD CON CUCHILLA AUTO-RETRÁCTIL / *SAFETY CUTTER WITH AUTO-RETRACTABLE BLADE* / CUTTER DE SÉCURITÉ AVEC LAME AUTO-RÉTRACTABLE / *SICHERHEITSMESSER MIT AUTOMATISCH EINZIEHBARER KLINGE* / CUTTERS DI SICUREZZA CON LAMA AUTOMATICA - RETRAIBILE / *CORTADORES DE SEGURANÇA COM LÂMINA AUTO-RETRACTIL* / БЕЗОПАСНЫЙ НОЖ С АВТОМАТИЧЕСКИ УБИРАЕМЫМ ЛЕЗВИЕМ

COD.	mm	g			
63876	0,6	140	12	●	64005



COD.	mm	g			
63877	0,6	130	12	●	64005



COD.	mm	g			
63878	0,6	40	12	●	64005



CUCHILLA TRAPEZOIDAL / *TRAPEZOIDAL BLADE* / LAME TRAPEZOÏDALE / *TRAPEZKLINGE* / LAMA TRAPEZIOIDALE / *LÂMINA TRAPEZOIDAL* / ТРАПЕЦЕВИДНОЕ ЛЕЗВИЕ

COD.	L x W x H (mm)	g
64005	60 x 19 x 0,6	5

CUCHILLA TIPO GANCHO / *HOOK TYPE BLADE* / LAME CROCHET / *HAKENKLINGE* / LAMA TIPO GANCIO / *LÂMINA TIPO GANCHO* / ЛЕЗВИЕ КРЮЧКОВОГО ТИПА

COD.	L x W x H (mm)	g
63869	50 x 19 x 0,65	5



CUCHILLA / *BLADE* / LAME / *KLINGE* / LAMA / *LÂMINA* / ЛЕЗВИЕ

COD.	L x W x H (mm)	g	
63868	108 x 18 x 0,5	40	5



EXPOSITOR / *DISPLAY* / PRESENTOIR / *STÄNDER* / ESPOSITORE / *DISPLAY STAND* / СТЕНДЫ

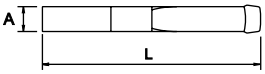
42 PCS.

COD.	PCS.
55569	42

PCS.	COD. PCS.
10	63876
16	63877
	63878



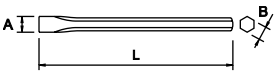
CINCEL CHAPISTA / *EXTRA FLAT COLD CHISEL* / BURIN DE CARROSSIER / *SCHLITZMEISSEL* / SCALPELLO A FREDDO PIATTO / *ESCOPRO FINO* / СВЕРХ ПЛОСКОЕ ЗУБИЛО



COD.	L (mm)	A (mm)	g		
63472	204	27	240	6	●

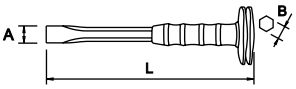


CINCEL / *FLAT CHISEL* / CISEAUX DE MAÇON / *FLACHMEISSEL* / SCALPELLI PER MURATORI / *ESCOPRO* / ПЛОСКОЕ ЗУБИЛО



COD.	L (mm)	A (mm)	B (mm)	g	
63309	200	23	16	300	6
63311	300	24		480	
63315		25	18	600	
63316	350	26		700	
63320	400	27	20	950	
63321	500	28		1200	

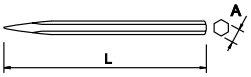




COD.	L (mm)	A (mm)	B (mm)	g	
63326	200	23	16	450	6
63328	300	24		650	
63332		25	18	750	
63333	350	26		850	
63337	400	27	20	1100	
63338	500	28		1350	

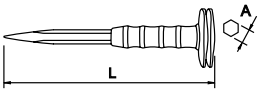


PUNTERO / *POINTED CHISEL* / BROCHE / *SPITZMEISSEL* / SCALPELLI PER MURATORI / *PONTEIRO* / КОНУСНОЕ ЗУБИЛО



COD.	L (mm)	A (mm)	g	
63339	200	16	300	6
63341	300		480	
63343	350	18	700	
63344	400		800	
63346	500	20	1200	

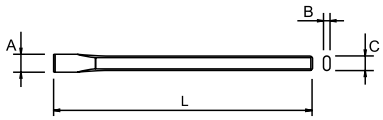




COD.	L (mm)	A (mm)	g	
63347	200	16	450	6
63348	250		550	
63349	300		650	
63351	350	18	850	
63352	400		950	
63353		20	1100	
63354	500		1350	

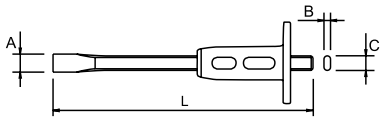


CINCEL MECÁNICO / *FLAT COLD CHISEL* / BURIN MÉCANICIEN / *FLACHMEIßEL* / SCALPELLO PER MECCANICO / *ESCOPRO MECÂNICO* / ПЛОСКОЕ ЗУБИЛО



COD.	L (mm)	A (mm)	B (mm)	C (mm)	g	
62847	100	12	7 ,0	11	65	12
62848	125	15	9 ,0	14	115	
62849	150	18	11	17	220	
62850	200	21	12	20	280	6
62851		24			290	
62853	250	25			320	
62854		28	13	23	460	
62855	300	26			480	
62856		29			500	
62857	400	30		26	550	
62858	500					

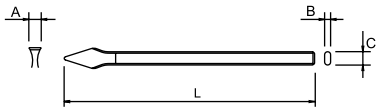




COD.	L (mm)	A (mm)	B (mm)	C (mm)	g	
62862	200	21	12	20	330	6
62863		24			340	
62864	225				350	
62865	250	25			370	
62866		28	13	23	500	
62867	300	26			550	
62868		29				
62870	500	30		26	600	

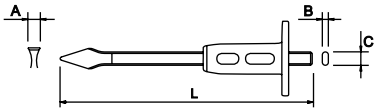


BURIL PLANO / *CROSSCUT CHISEL* / BÉDANE PLATE / *KREUZSCHNITT MEIßEL* / BULINO PIATTO / *BURIL PLANO* / ЗУБИЛО ДЛЯ ВЫРУБКИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	g	
62871	125	5,0	9,0	14	90	6
62872	150	6,0	10	16	150	
62873	175	7,0	11	17	240	
62874	200	8,0	12	20	280	
62875	250	9,0	13	23	300	
62876	300				310	

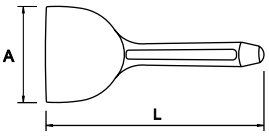




COD.	L (mm)	A (mm)	B (mm)	C (mm)	g	
62880	200	8,0	12	20	330	6
62881	250	9,0	13	23	350	
62882	300				360	

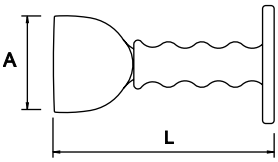


CINCEL PARA LADRILLOS / *BOLSTER CHISEL* / CISEAUX À BRIQUES / *FUGENMEISSEL* / SCALPELLI DA PIASTRELLISTA / *ESCOPRO PARA LADRILHOS* / ЛОПАТОЧНОЕ ЗУБИЛО



COD.	L (mm)	A (mm)	g	
63181	220	60	450	6
63182	240	75	700	
63191		100	750	





COD.	L (mm)	A (mm)	g	
63183	220	60	410	5
63184	240	75	750	
63192		100	800	



SETS

CINCELES, BOTADORES Y GRANETES / *CHISELS AND PUNCHES* / BURINS, CHASSE-GOUPILLES ET CHASSE-CLOUS / *MEIßEL UND DURCHSCHLÄGE* / SCALPELLI E PUNZONI / *ESCOPROS, SACA-TROÇOS E PUNÇÕES* / ЗУБИЛА И ПРОБОЙНИКИ

6 PCS.

COD.	PCS.	g
69953	6	700



PCS.	COD. PCS.	Descripción / *Description* / Description	
1	62847	Cincel mecánico / *Flat cold chisel*	12 x 11 x 100 mm
	62848		15 x 14 x 125 mm
	63398	Botador cilíndrico / *Pin punch*	6 x 10 x 150 mm
	63396		4 x 8 x 150 mm
	63416	Botador cónico / *Taper punch*	3 x 10 x 125 mm
	63436	Granete / *Center punch*	3 x 8 x 100 mm

COD.	PCS.	g
69954	6	700



PCS.	COD. PCS.	Descripción / *Description* / Description	
1	62847	Cincel mecánico / *Flat cold chisel*	12 x 11 x 100 mm
	62848		15 x 14 x 125 mm
	62871	Buril plano / *Crosscut chisel*	5 x 14 x 125 mm
	63396	Botador cilíndrico / *Pin punch*	4 x 8 x 150 mm
	63416	Botador cónico / *Taper punch*	3 x 10 x 125 mm
	63436	Granete / *Center punch*	3 x 8 x 100 mm

CINCELES / *CHISELS* / BURINS / *MEISSELN* / SCALPELLI / *ESCOPROS* / ЗУБИЛА

50 PCS.

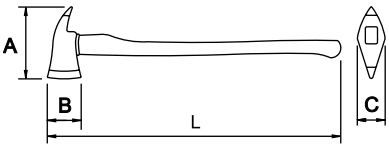
COD.	PCS.	Kg
55566	50	20



PCS.	COD. PCS.	Descripción / *Description* / Description	
5	62849	Cincel mecánico / *Flat cold chisel*	18 x 17 x 150 mm
	62850		21 x 20 x 200 mm
	62854		28 x 23 x 250 mm
	62857		30 x 26 x 400 mm
	62873	Buril plano / *Crosscut chisel*	7 x 17 x 175 mm
	62874		8 x 20 x 200 mm
	62875		9 x 23 x 250 mm
	63339	Puntero / *Point chisel*	16 x 200 mm
	63341		16 x 300 mm
	63344		18 x 400 mm

HACHAS / *AXES* / HACHES / *ÄXTE* / ASCIA / *MACHADOS* / ТОПОРЫ

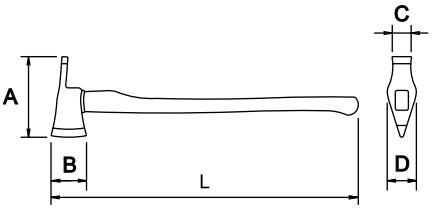
HACHA BOMBERO / *FIREMAN TYPE AXE* / HACHE POUR POMPIERS / *FEUERWEHRAXT* / ASCIA TIPO PER POMPIERI / *MACHADO DE BOMBEIRO* / ТОПОР ПОЖАРНОГО ТИПА



COD.	L (mm)	A (mm)	B (mm)	C (mm)	Kg	
67240	910	250	105	32	2,3	6



HACHA AZADA / *HOE AXE* / HACHE HOUE / *WIEDEHOPFHACKE* / ASCIA A ZAPPA / *MACHADO ENXADA* / ТОПОР МОТЫГА



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
67243	910	310	110	80	29	2,8	6



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

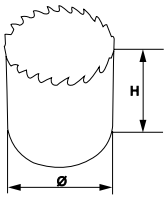


SIERRAS DE CORONA BIMETAL / *BI-METAL HOLE SAWS* / SCIES CLOCHES BI-MÉTAL / *BIMETALL LOCHSÄGE* / SEGHE A TAZZA BI-METAL / *SERRAS CRANEANAS BI-METÁLICAS* / БИМЕТАЛЛИЧЕСКИЕ КОРОНКИ

HSS BI-METAL

4/6 TPI





COD.	O.D. mm	O.D. inch	H (mm)	R.P.M. Acero dulce / *R.P.M. Mild steel* / R.P.M. Acier doux	R.P.M. Inox	R.P.M. Fundición / *R.P.M. Casting* / R.P.M. Fonte	R.P.M. Aluminio / *R.P.M. Aluminium* / R.P.M. Aluminium	R.P.M. Latón / *R.P.M. Brass* / R.P.M. Laiton	R.P.M. Madera / *R.P.M. Wood* / R.P.M. Bois
64550	14	9/16	54	620	300	400	900	790	3000
64551	16	5/8		545	260	360	810	735	
64552	17	11/16		510	250	340	770	690	
64553	19	3/4	50	460	220	300	685	620	
64664	20	-		430	210	290	650	590	
64554	21	13/16		415	200	275	620	560	
64555	22	7/8		395	190	260	590	535	
64556	24	15/16		360	175	240	540	490	
64557	25	1		350		235	525	470	2750
64558	27	1.1/16		320	160	215	480	435	
64559	28	-		310	150	205	450	405	
64560	29	1.1/8		300	145	200	430	390	
64561	30	1.13/16		290	140	190	410	370	
64562	32	1.1/4		270	130	180	390	355	2400
64563	33	1.5/16		265	125	175	370	335	
64564	35	1.3/8		250	120	165	350	320	
64565	37	1.7/16		235	115	155	340	310	
64566	38	1.1/2		230	110	150	325	295	2100
64567	40	1.9/16		215	105	145	315	285	
64568	41	1.5/8		210	100	140	300	275	
64569	43	1.11/16		200	95	135	295	270	
64570	44	1.3/4		195		130	280	255	
64571	46	1.13/16		190	90	125	270	245	
64572	48	1.7/8		180		120	255	230	
64573	51	2		170	85	115	245	220	2000
64574	52	2.1/16		165	80	110	240	215	
64575	54	2.1/8		160	75	105	230	205	
64576	57	2.1/4		150		100	220	200	
64577	59	2.5/16		145	70		215	195	
64578	60	2.3/8		140		95	205	185	
64579	64	2.1/2		135	65	90	200	180	1800
64580	65	2.9/16					195	175	
64581	67	2.5/8		130	60	85	190	170	
64582	70	2.3/4		125			185	165	
64583	73	2.7/8	44	120	55	80	180	160	1500
64584	76	3		115			170	150	
64585	79	3.1/8		110		75	165	145	
64586	83	3.1/4		105	50		155	140	
64587	86	3.3/8		100		70	150	135	
64588	89	3.1/2		95	45	65	145	130	1200
64589	92	3.5/8					140	125	
64590	95	3.3/4		90		60	135	120	
64591	98	3.7/8		88			130		
64592	102	4		85	40	55	125	110	1000
64593	105	4.1/8		83			120		
64594	108	4.1/4		80					
64595	110	4.5/16		78	35	50	115	105	
64596	114	4.1/2		76					
64597	121	4.3/4		72		45	110	100	800
64598	127	5		68			100	90	
64599	140	5.1/2		62	30	40	90	85	700
64600	152	6		55	25	30	85	75	

HUSILLO / *ARBOR* / VÉRIN / *HALTER* / SUPPORTO / *FUSO* / ОПРАВКА

COD.	O.D. mm	O.D. inch	AF mm	AF inch	
64601	14-30	9/16-1.13/16	9,52	3/8	1
64602	32-152	1.1/4-6	11,1	7/16	



CONECTOR ADAPTADOR ROSCA / *THREAD CONNECTION ADAPTER* / CONNECTEUR ADAPTATEUR DE FILETAGE / *ADAPTER FÜR GEWINDE* / ADDATTATORE CONNETTORE PER FILIERA / *ADAPTADOR DE ROSCA* / РЕЗЬБОВОЙ АДАПТОР

COD.	g		
64612	20	10	●



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF mm	AF inch	L (mm)	g		
64613	11,1	7/16	300	290	10	●



BROCA / *DRILL* / MÈCHE / *BOHRER* / PUNTE / *BROCA* / СВЕРЛО

COD.	L (mm)	O.D. mm	g		
64614	75	6,3	15	10	●



JUEGOS DE CORONA BIMETAL / *BI-METAL HOLE SAW SETS* / JEUX DE SCIES CLOCHES BI-MÉTAL / *BI-METALL LOCHSÄGE SÄTZE* / SET DI SEGA A TAZZA BIMETALLICA / *JOGOS DE BROCAS CRANEANAS* / КОМПЛЕКТЫ ВРЕЗНЫХ БИМЕТАЛЛИЧЕСКИХ КОРОНОК

9 PCS.

COD.	PCS.	g	
57655	9	1250	1

PCS.	Composición / *Composition* / Composition		
6	64550, 64554, 64559, 64565, 64571, 64578	14-21-28-37-46-60 mm | 9/16-13/16-1.7/64-1.7/16-1.13/16-2.3/8 inch	
2	64601, 64602	-	
1	64612		



COD.	PCS.	g	
57656	9	1200	1

PCS.	Composición / *Composition* / Composition		
6	64552, 64554, 64559, 64565, 64568, 64576	17-21-28-37-41-57 mm | 11/16-13/16-1.7/64-1.7/16-1.5/8-2.1/4 inch	
2	64601, 64602	-	
1	64612		

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Code / Código 8552B
Management System
ISO 9001:2015
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COD.	PCS.	g	
57657	9	1200	1

PCS.	Composición / *Composition* / Composition		
6	64554, 64557, 64562, 64565, 64571, 64574	21-25-32-37-46-52 mm | 13/16-1-1.1/4-1.7/16-1.13/16-2.1/16 inch	
2	64601, 64602	-	
1	64612		

COD.	PCS.	g	
57658	9	1250	1

PCS.	Composición / *Composition* / Composition		
6	64554, 64559, 64565, 64568, 64576, 64580	21-28-37-41-57-65 mm | 13/16-1.7/64-1.7/16-1.5/8-2.1/4-2.9/16 inch	
2	64601, 64602	-	
1	64612		

COD.	PCS.	g	
64615	9	1200	1

PCS.	Composición / *Composition* / Composition		
6	64553, 64555, 64564, 64566, 64570, 64581	19-22-35-38-44-67 mm | 3/4-7/8-1.3/8-1.1/2-1.3/4-2.5/8 inch	
2	64601, 64602	-	
1	64612		

COD.	PCS.	g	
64651	9	900	1

PCS.	Composición / *Composition* / Composition		
6	64551, 64554, 64557, 64562, 64567, 64573	16-21-25-32-40-51 mm | 5/8-13/16-1-1.1/4-1.9/16-2 inch	
2	64601, 64602	-	
1	64612		

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10 PCS.



COD.	PCS.	g		
57533	10	1550	1	

PCS.	Composición / *Composition* / Composition		
7	64550, 64552, 64557, 64562, 64568, 64574, 64578	14-17-25-32-41-52-60 mm | 9/16-11/16-1-1.1/4-1.5/8-2.1/16-2.3/8 inch	
2	64601, 64602	-	
1	64612		

12 PCS.

COD.	PCS.	g		
57532	12	1800	1	

PCS.	Composición / *Composition* / Composition		
8	64550, 64552, 64557, 64562, 64565, 64571, 64574, 64580	14-17-25-32-37-46-52-65 mm | 9/16-11/16-1.1/64-1.17/64-1.7/16-1.13/16-2.1/16-2.9/16 inch	
2	64601, 64602	-	
1	64612		
	64613		

COD.	PCS.	g		
57534	12	1900	1	

PCS.	Composición / *Composition* / Composition		
8	64552, 64554, 64559, 64562, 64568, 64571, 64576, 64580	17-21-28-32-41-46-57-65 mm | 11/16-13/16-1.7/64-1.1/4-1.5/8-1.13/16-2.1/4-2.9/16 inch	
2	64601, 64602	-	
1	64612		
	64613		

14 PCS.

COD.	PCS.	g		
64616	14	2100	1	

PCS.	Composición / *Composition* / Composition		
10	64553, 64555, 64560, 64564, 64566, 64570, 64573, 64576, 64579, 64581	19-22-29-35-38-44-51-57-64-67 mm | 3/4-7/8-1.1/8-1.3/8-1.3/4-2-2.1/4-2.1/2-2.5/8 inch	
2	64601, 64602	-	
1	64612		
	64613		

BROCA ESCALONADA / *STEP DRILL* / MÈCHE ÉCHELONNÉE / *SPIRALBOHRER* / PUNTA SCANALATA / *BROCA ESCALONADA* / СТУПЕНЧАТОЕ СВЕРЛО

COD.	O.D. mm	g		
64617	4-12	25		
64618	4-20	60	1	●
64619	4-30	180		



SET

3 PCS.

COD.	PCS.	g	
64620	3	300	1

PCS.	COD. PCS.	
1	64617	Ø 4-12 mm
	64618	Ø 4-20 mm
	64619	Ø 4-30 mm



SACABOCADOS / *HOLLOW PUNCHES* / EMPORTE PIÈCES / *HENKELLOCHEISEN* / SACABOCADOS / *SACA BOCADOS* / ВЫРУБАТЕЛИ ПРОКЛАДОК

COD.	O.D. mm	L (mm)	g	
64671	5	27	15	10
64672	6			
64673	8		20	
64674	10		25	
64675	12,5		30	
64676	16		40	
64677	20		50	
64678	25		60	
64679	32		80	



COD.	O.D. mm	g	
64680	5-32	250	1





SET

10 PCS.

COD.	PCS.	g	
64670	10	900	1

Composición / *Composition* / Composition	
64671, 64672, 64673, 64674, 64675, 64676, 64677, 64678, 64679, 64680	5-6-8-10-12,5-16-20 25 32 mm



PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

AERnnova

AERNNOVA - SECTOR AERONÁUTICO / AERNNOVA - AEROSPACE SECTOR / AERNNOVA -SECTEUR AÉRONAUTIQUE

LINEA MONTAJE AIRBUS A350 / AIRBUS A350 ASSEMBLY LINE / LIGNE DE MONTAGE AIRBUS A350

ESPAÑA / SPAIN / ESPAGNE







26

MARTILLOS
HAMMERS
MARTEAUX
HÄMMER
MARTELLI
MARTELOS
МОЛОТКИ И КУВАЛДЫ

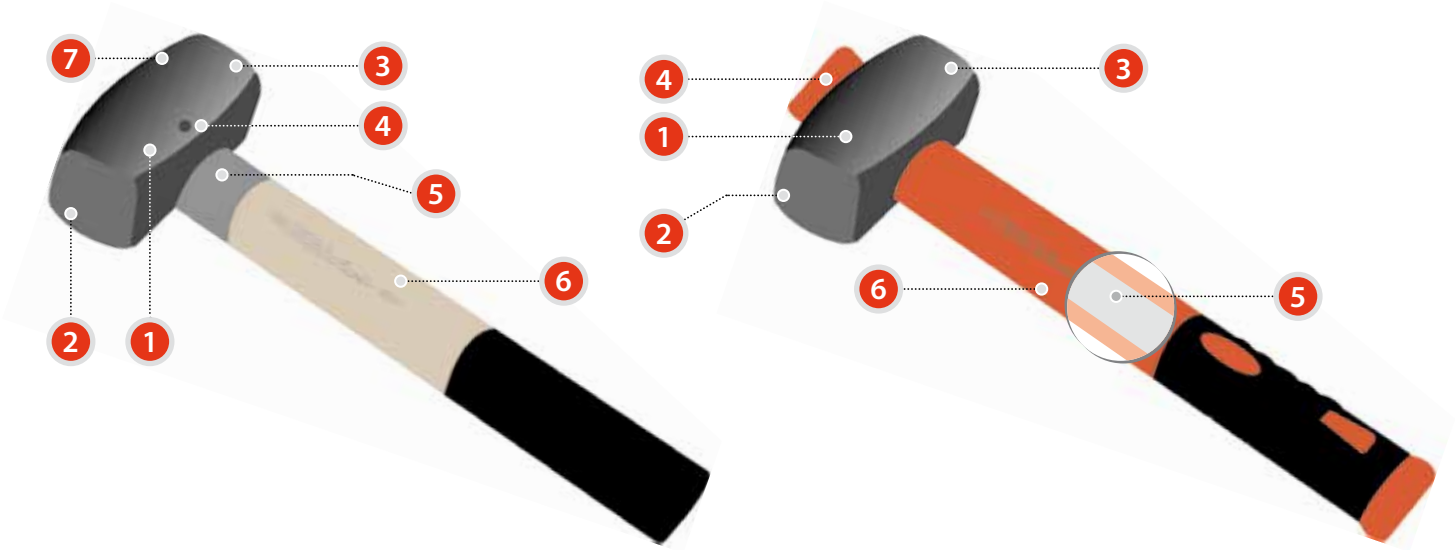


26 MARTILLOS *HAMMERS* MARTEAUX

EGA Master ha renovado su gama de martillos con mango de madera y fibra de vidrio para satisfacer la demanda de los usuarios más profesionales. La fijación de la cabeza-mango está reforzada en ambos tipos de martillos, de modo que la cabeza nunca saldrá despedida. Los materiales empleados durante su fabricación garantizan un uso duradero. Por todo ello, lo martillos EGA Master son garantía de calidad en usos industriales.

***EGA Master** has renewed its range of wooden and fiberglass handles to satisfy the demand from the most professional user. The handle-head fixation is reinforced in both handle types, completely avoiding the disattachment of the head from the handle. Their manufacturing materials guarantee a durable use. For these reasons, **EGA Master** handles are a quality guarantee for industrial uses.*

EGA Master a renouvelé sa gamme de marteaux avec un manche en bois et en fibre pour satisfaire la demande des usagers les plus professionnels. La fixation de la tête-manche est renforcée dans les deux types de marteau, d'un mode que la tête ne sera pas détachée. Les matières utilisées dans leur fabrication garantissent l'usage durable des mêmes. Pour toutes ces raisons, les marteaux EGA Master sont une garantie de qualité des utilisations industrielles.



1
Acero especial de alta resistencia.
High resistance special steel.
Acier spécial de haute résistance.

2
50-58HRC en cara de golpeo (ISO 15601).
50-58HRC in impact area (ISO 15601).
50-58HRC sur les faces de frappe (ISO 15601).

3
Acabado gris martelé.
Grey hammer tone finishing.
Finition gris martelé.

4
Pasador de fijación y seguridad o mango cónico para unión perfecta mango-cabeza.
Safety pin or conical go-through handle for perfect fixation handle-head.
Goupille de fixation securisée ou emmenchement conique pour une union parfaite manche-tête.

5
Pieza de refuerzo para evitar la rotura del mango en su punto crítico.
Reinforced piece to avoid the breakage of the handle in its critical zone.
Pièce de renfort afin d'éviter la rupture du manche au point critique.

6
Mango de madera de alta calidad.
High quality wooden handle.
Manche en bois de haute qualité.

7
Cuña cónica para mejorar la distribución de presión.
Conical wedge to improve the pressure distrution.
Coin pour une meilleure répartition de la force de frappe.

1
Acero especial de alta resistencia.
High resistance special steel.
Acier spécial de haute résistance.

2
50-58HRC en cara de golpeo (ISO 15601).
50-58HRC in hitting face (ISO 15601).
50-58HRC sur les faces de frappe (ISO 15601).

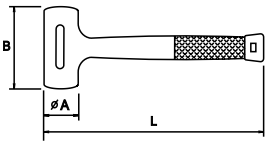
3
Acabado gris martelé.
Grey hammer tone.
Finition gris martelé.

4
Mango cónico pasante o pasador de fijación y seguridad para unión perfecta con la cabeza.
Conical go-through handle or safety pin for perfect fixation to the head.
Emmenchement conique ou goupille de fixation securisée pour une meilleure fixation de la tête de la massette.

5
Fibra de vidrio ultra-resistente.
Ultra-resistant fiberglass.
Fibre en verre ultra-résistante.

6
Exterior del mango en PP y TPR: firmeza y adherencia.
Handle outer zone in PP and TPR: strength and adherence.
Extérieur du manche en PP & TPR pour une plus grande dureté et une meilleure adhérence.

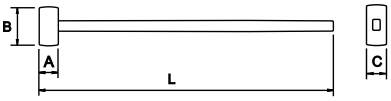
ANTIRREBOTE / *DEAD BLOW HAMMER* / MARTEAU ANTI REBOND / *HAMMER RÜCKSCHLAGFREI* / MARTELLO ANTIRIMBALZO / *MARTELO SEM RICOCHETE* / МОТЛОТОК БЕЗ ОТСКОКА



COD.	Lb	L (mm)	Ø A (mm)	B (mm)		
69748	0,5	275	40	80	6	●
69750	1,5	325	50	110		
69752	3	360	60	130		
69753	4	425	65	140	3	-
69754	5	430	70	150		



MAZA CUADRADA TIPO ALEMÁN / *GERMAN TYPE STONING HAMMER* / MASSE CARREE TYPE ALLEMAND / *STEINSLEGGER* / MAZZA MOD ALEMAN / *MARRETA QUADRADA MOD. ALEMAN* / КУВАЛДА НЕМЕЦКИЙ ТИП ДЛЯ КАМНЯ

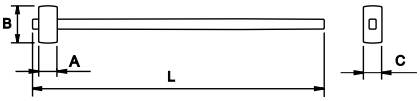


COD.	Kg	L (mm)	A (mm)	B (mm)	C (mm)	
69640	3	900	56	135	56	1
69641	4		61	145	64	
69642	5		68	151	68	
69643	6		70	165	70	
69648	8		83	180	83	
69655	10		86	200	86	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



COD.	Kg	L (mm)	A (mm)	B (mm)	C (mm)	
69644	3	900	56	135	56	1
69645	4		61	145	64	
69646	5		68	151	68	
69647	6		70	165	70	
69649	9		83	180	83	
69677	10		86	200	86	

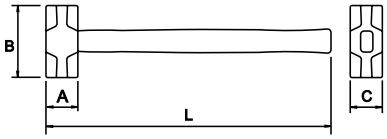


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

• Consultar con EGA Master la selección del mango / *Consult with EGA Master the selection of the handle* / Á consulter avec EGA Master la sélection de manches

MAZA DE CARAS OCTOGONALES / *SLEDGE HAMMER* / MASSE OCTOGONALE / *STEINSLEGGER* / MAZZA OTTOGONALE / *MARRETA OCTOGONAL* / КУВАЛДА КУЗНЕЧНАЯ

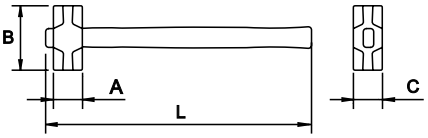


COD.	Lb	L (mm)	A (mm)	B (mm)	C (mm)	
69650	4	400	51	136	48	4
69651	6	900	54	146	51	1
69652	8		58	161	59	
69653	10		64	173	62	
69654	12		66	180	66	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



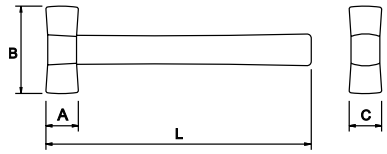
COD.	Lb	L (mm)	A (mm)	B (mm)	C (mm)	
68530	4	400	51	136	48	1
68532	8	900	58	161	59	
68533	10		64	173	62	
68534	12		66	180	66	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MACETA MOD. ESPAÑOL / *SPANISH TYPE MALLET* / MASSETTE ESPAGNOLE / *FÄUSTEL* / MAZZETA MOD. SPAGNOLO / *MARRETA MOD. ESPANHOL* / КУВАЛДА ИСПАНСКИЙ ТИП ДЛЯ КАМНЯ

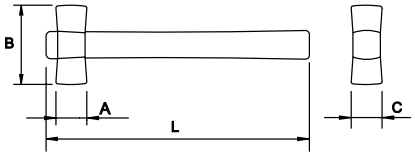


COD.	Kg	L (mm)	A (mm)	B (mm)	C (mm)		
69659	0,7	260	33	105	33	6	●
69660	1	280	37	129	37		-
69661	1,4		41	138	43		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



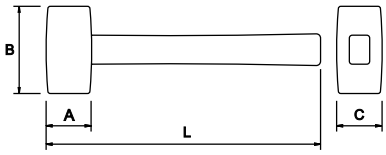
COD.	Kg	L (mm)	A (mm)	B (mm)	C (mm)		
69662	0,7	255	33	105	33	6	●
69663	1	280	37	129	37	4	-
69664	1,4		41	138	43		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MACETA CUADRADA TIPO ALEMÁN / *GERMAN TYPE MALLET* / MASSETTE TYPE ALLEMAND / *FÄUSTEL* / MAZZETA / *MARRETA* / КУВАЛДА НЕМЕЦКИЙ ТИП ДЛЯ КАМНЯ

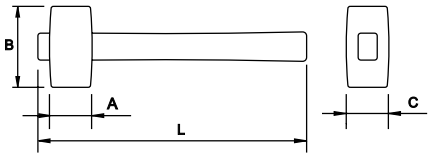


COD.	Kg	L (mm)	A (mm)	B (mm)	C (mm)	
69665	0,8	260	41	95	40	4
69605	1					
69607	1,5	280	42	99	43	2



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



COD.	Kg	L (mm)	A (mm)	B (mm)	C (mm)	
69666	0,8	260	41	95	40	4
69667	1					
69669	1,5	290	42	99	43	2



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

• Consultar con EGA Master la selección del mango / *Consult with EGA Master the selection of the handle* / Á consulter avec EGA Master la sélection de manches

MACETA MODELO INGLÉS / *BRITISH TYPE MALLET* / MASSETTE TYPE ANGLAIS / *FÄUSTEL* / MAZZETA MOD. INGLES / *MARRETA MOD. INGLES* / КУВАЛДА БРИТАНСКИЙ ТИП ДЛЯ КАМНЯ

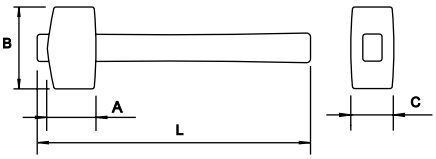


COD.	Lb	L (mm)	A (mm)	B (mm)	C (mm)	
69672	3	280	46	104	45	4



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



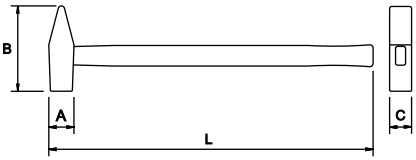
COD.	Lb	L (mm)	A (mm)	B (mm)	C (mm)	
69673	2,5	280	45	92	45	1
69674	3		46	104		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO ALEMÁN / *GERMAN TYPE MACHINIST'S HAMMER* / MARTEAU DE MECANICIEN / *SCHLOSSERHAMMER, DEUTSCHE FORM* / MARTELLO TEDESCO / *MARTELO TIPO ALEMÃO* / СЛЕСАРНЫЙ МОЛОТОК НЕМЕЦКИЙ ТИП

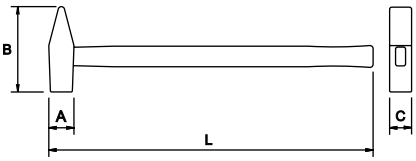


COD.	g	L (mm)	A (mm)	B (mm)	C (mm)		
69618	200	275	20	96	21	6	●
69619	300	305	23	103	23		
69620	400		27	118	28		
69621	500	325					
69622	600		29	123	31		
69675	800	340	33	128	32		
69676	1000	355	37	135	37		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



COD.	g	L (mm)	A (mm)	B (mm)	C (mm)		
69731	200	255	20	96	21	6	●
69732	300	275	23	103	23		
69733	400		27	118	28		
69734	500	300					

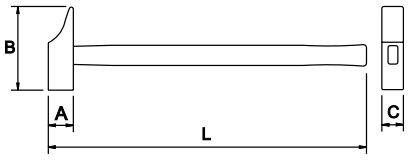


COD.	g	L (mm)	A (mm)	B (mm)	C (mm)		
69735	600	300	29	123	31		
69736	800	350	33	128	32	6	●
69737	1000		37	135	37		

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO DE EBANISTA / *JOINER'S HAMMER* / MARTEAU DE MENUISIER / *HOLZSCHNITZERHAMMER* / MARTELLO FALEGNAME / *MARTELO DE PENA* / СТОЛЯРНЫЙ МОЛОТОК

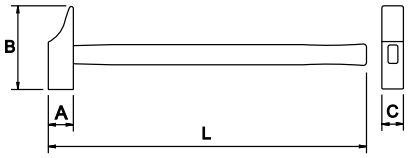


COD.	g	L (mm)	A (mm)	B (mm)	C (mm)		
69601	150	270	18	88	17	6	●
69602	200		20	93	19		
69603	250		22	97	23		
69604	350	300	25	107	24		
69681	450		28	116	27		
69682	550	310	30	121	29		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



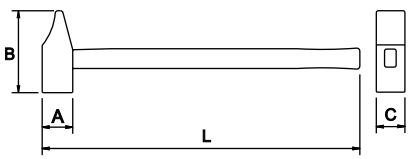
COD.	g	L (mm)	A (mm)	B (mm)	C (mm)		
69684	150	250	18	88	17	6	●
69685	200		20	93	19		
69686	250	278	22	97	23		
69687	350		25	107	24		
69688	450		28	116	27		
69689	550		30	121	29		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO RIVOIR / *FRENCH TYPE MACHINIST'S HAMMER* / MARTEAU RIVOIR / *RIVOIR HAMMER* / MARTELLO RIVOIR / *MARTELO PENA TIPO RIVOIR* / СЛЕСАРНЫЙ МОЛОТОК ФРАНЦУЗСКИЙ ТИП



COD.	g	L (mm)	A (mm)	B (mm)	C (mm)		
69691	250	280	25	96	25	6	●
69692	375	300	30		30		
69693	675	350	35	102	35		

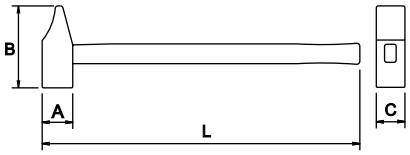


• Consultar con EGA Master la selección del mango / *Consult with EGA Master the selection of the handle* / Á consulter avec EGA Master la sélection de manches

COD.	g	L (mm)	A (mm)	B (mm)	C (mm)		
69694	900	350	40	116	40	6	●
69695	1100		45	124	45		

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



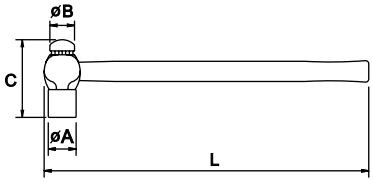
COD.	g	L (mm)	A (mm)	B (mm)	C (mm)		
69738	250	270	25	96	25	6	●
69739	375	300	30		30		
69740	675		35	102	35		
69741	900	350	40	116	40		
69756	1100		45	124	45		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO DE BOLA / *BALL PEIN HAMMER* / MARTEAU À BOULE / *SCHLOSSERHAMMER, ENGLISCHE FORM* / MARTELLO A PALLA / *MARTELO DE BOLA* / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

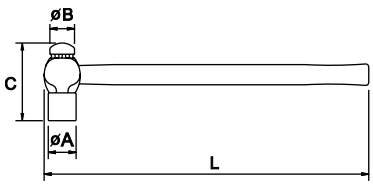


COD.	g	Mod.	L (mm)	Ø A (mm)	Ø B (mm)	C (mm)		
69612	250	A	280	23	22	80	1	●
69613	350	B	300	30	27	94		
69614	500	C	320		28	104		
69616	700	E	340	32	30	118		
69617	1000	F	370	39	32	127		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



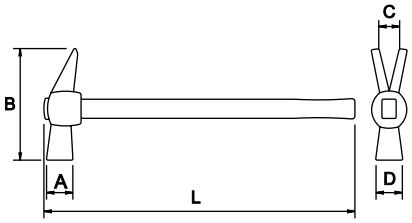
COD.	g	Mod.	L (mm)	Ø A (mm)	Ø B (mm)	C (mm)		
69704	250	A	270	23	22	80	1	●
69705	350	B	300	30	27	94		
69706	500	C			28	104		
69758	600	D	340	32	30	118		
69707	700	E						
69708	1000	F		39	32	127		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO DE ENCOFRADOR / *SPANISH TYPE CLAW HAMMER* / MARTEAU DE COFFREUR / *KLAUENHAMMER* / MARTELLO CARPENTIERE / *MARTELO DE COFRADOR* / МОЛОТОК-ГВОЗДОДЕР ИСПАНСКИЙ ТИП

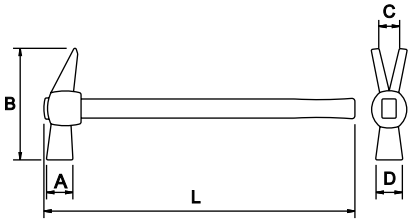


COD.	g	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)		
69711	300	380	23	129	8	26	6	●
69712	400	400	29	141	12	29		
69713	500			142				



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



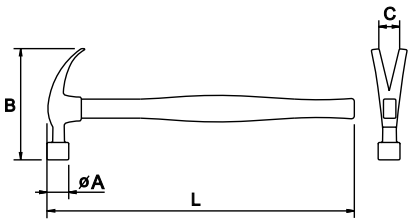
COD.	g	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)		
69715	300	385	23	129	8	26	6	●
69716	400		29	141	12	29		
69717	500			142				



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO DE UÑA / *CLAW HAMMER* / MARTEAU DE CHARPENTIER / *KLAUENHAMMER* / MARTELLO CARPENTIERE / *MARTELO DE UNHA* / МОЛОТОК-ГВОЗДОДЕР



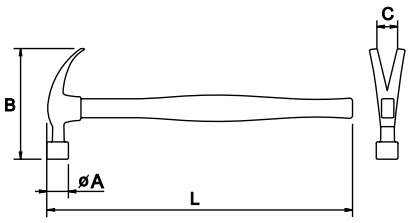
COD.	g	L (mm)	Ø A (mm)	B (mm)	C (mm)		
69742	600	330	34	145	7	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

• Consultar con EGA Master la selección del mango / *Consult with EGA Master the selection of the handle* / Á consulter avec EGA Master la sélection de manches

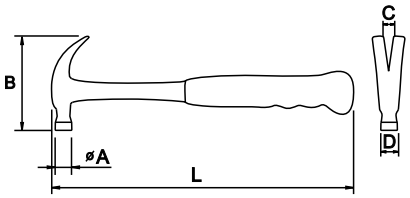


COD.	g	L (mm)	Ø A (mm)	B (mm)	C (mm)		
69719	550	330	30	138	7	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre



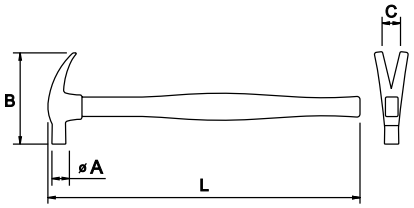
COD.	Oz.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)		
69680	16	338	29	130	8	29	6	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Mango forjado / *Forged handle* / Manche forgée

MARTILLO DE UÑA MODELO AMERICANO / *AMERICAN CLAW HAMMER* / MARTEAU DE CHARPENTIER MODÈLE AMÉRICAIN / *KLAUENHAMMER* / MARTELLO CARPENTIERE / *MARTELO DE UNHA MOD. AMERICANO* / МОЛОТОК-ГВОЗДОДЕР АМЕРИКАНСКИЙ ТИП

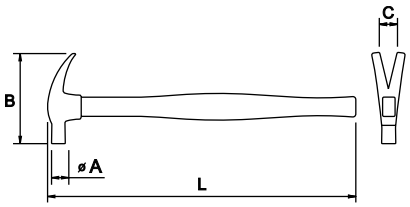


COD.	g	L (mm)	Ø A (mm)	B (mm)	C (mm)		
69679	250	280	21	102			
69608	350	300	23	111	6		
69609	450		25	128		6	●
69610	525	320	27	132	7		
69611	600		29	136	9		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



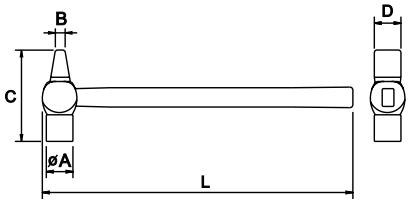
COD.	g	L (mm)	Ø A (mm)	B (mm)	C (mm)		
69743	250	300	21	102	6	6	●
69744	350		23	111			
69745	450	330	25	128			
69746	525		27	132	7		
69747	600	380	29	136	9		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO MECÁNICO DE PEÑA / *ENGINEER'S CROSS PEIN HAMMER* / MARTEAU À GARNIR / *SCHLOSSERHAMMER* / MECCANICO CON PENNA / *MECÂNICO DE PENA* / МОЛОТОК-ГВОЗДОДЕР КВАДРАТНЫЙ



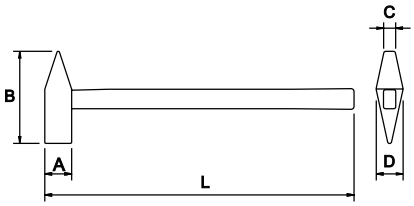
COD.	g	L (mm)	Ø A (mm)	B (mm)	C (mm)	D (mm)		
69700	200	300	20	5	104	22	6	●
69701	250		22	6	117	26		
69702	350	320	25		118			



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

PICO DE CALDERERO / *CHIPPING HAMMER* / PIOCHE DE CHAUDRONNIER / *KESSELSTEINHAMMER* / PICCONE DA BATTIRAME / *PICADEIRA DE CALDEIREIRO* / МОЛОТОК ВЫРУБНОЙ



COD.	g	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)		
69678	500	320	27	150	27	27	6	●

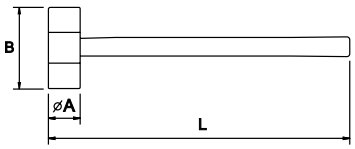


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

• Consultar con EGA Master la selección del mango / *Consult with EGA Master the selection of the handle* / Á consulter avec EGA Master la sélection de manches

MACETA DE NYLON / *NYLON MALLET* / MARTEAU NYLON / *NYLON- HAMMER* / MARTELLO DI NYLON / *MARTELO DE NYLON* / НЕЙЛОНОВЫЙ МОЛОТОК



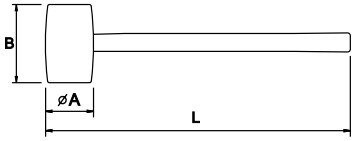
COD.	g	L (mm)	A (mm)	B (mm)				
55325	235	290	26	80	6	●	85426	84210
55326	340	310	30	85			85427	84211
55327	490	315	35	95			85428	84212



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA DE GOMA / *BLACK RUBBER MALLET* / MARTEAU EN CAOUTCHOUC / *GUMMI-HAMMER* / MAZZUOLA DI GOMMA / *MAÇO DE BORRACHA* / РЕЗИНОВЫЙ МОЛОТОК



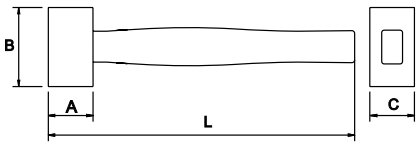
COD.	g	L (mm)	Ø A (mm)	B (mm)		
69520	340	320	60	100	2	●
69521	450	340	65	115		
69726	900	350	80	125		-



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA DE COBRE / *SQUARE COPPER MALLET* / MASSETTE CUIVRE / *KUPFERHAMMER* / MAZZETTA DI RAME / *MARRETA DE COBRE* / КВОДРАТНАЯ МЕДНАЯ КУВАЛДА



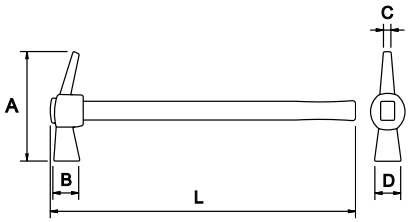
COD.	g	O.D. mm	L (mm)	A (mm)	B (mm)	C (mm)		
69728	500	30	240	26	77	29	6	●
69729	1000	35	260	36	88	39	4	
69730	1500	40	280	41	99	43		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

PICOS / *PICKS* / PIOCHES / *MAURER-HAMMER* / PICCONI / *PICADEIRA* / КИРКИ

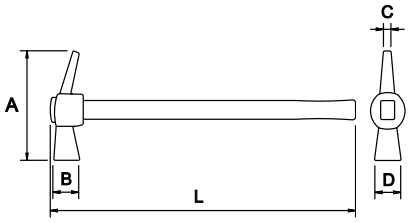


COD.	g	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)		
69759	400	380	229	39	5	34	6	●
69760	500		260	41	6	35		

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



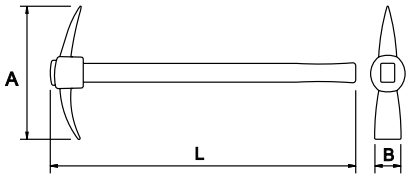


COD.	g	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)		
69762	400	385	229	39	5	34	6	●
69761	500		237	41	6	35		

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre





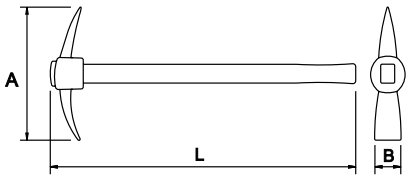
COD.	g	L (mm)	A (mm)	B (mm)	
69765	500	380	240	38	6

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



• Consultar con EGA Master la selección del mango / *Consult with EGA Master the selection of the handle* / Á consulter avec EGA Master la sélection de manches

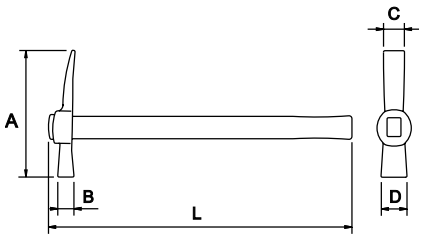


COD.	g	L (mm)	A (mm)	B (mm)	
69766	400	385	236	36	6
69767	500		240	38	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

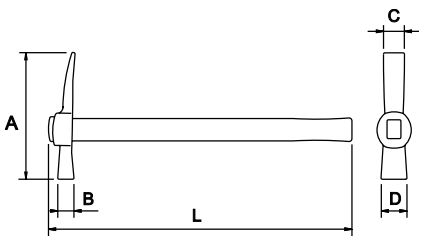


COD.	g	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	
69770	400	380	237	10	10	36	6
69771	500		197	24	35	25	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



COD.	g	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	
69772	400	385	237	10	10	36	6

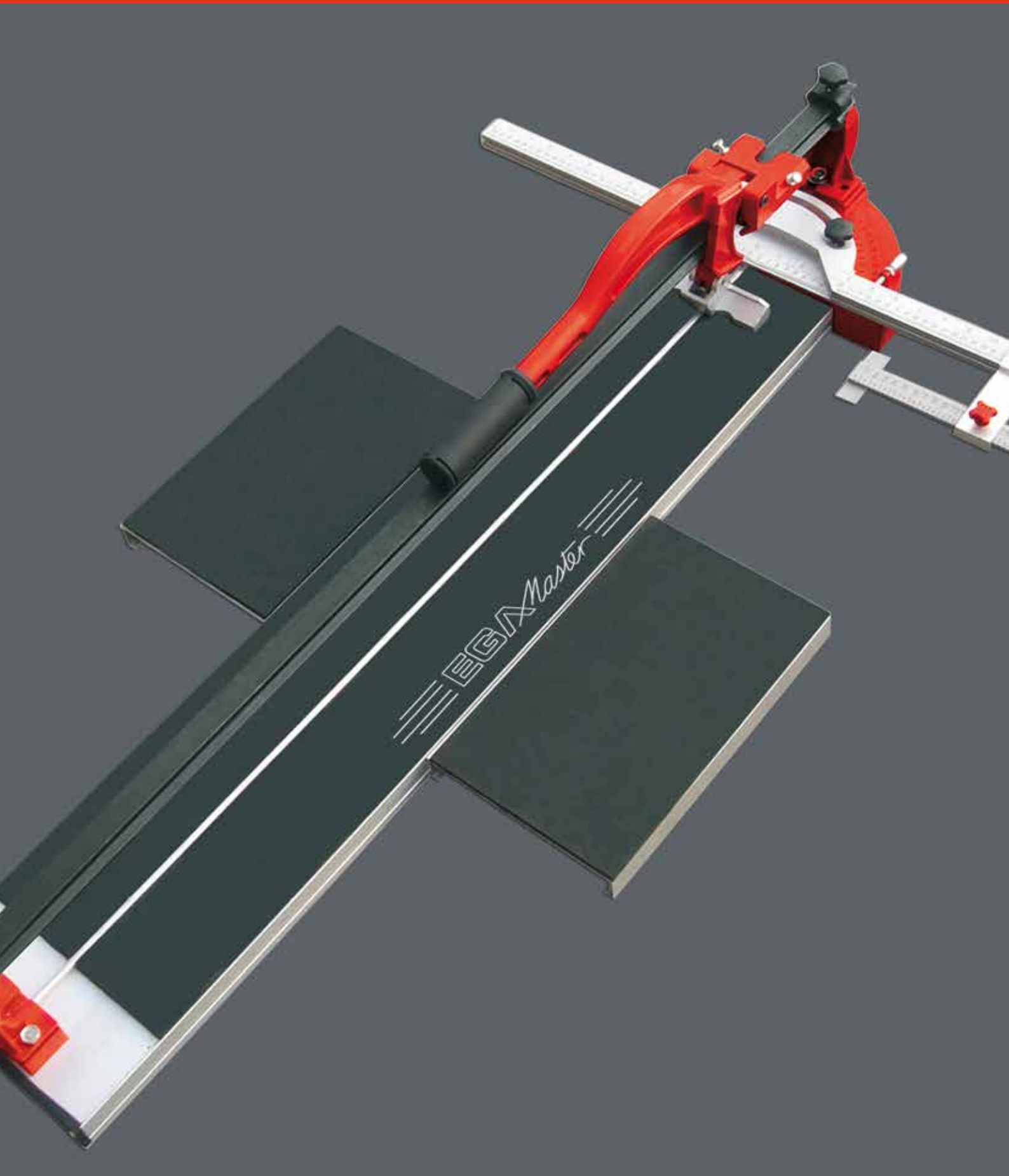


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

27

CONSTRUCCIÓN
CONSTRUCTION
CONSTRUCTION
BAUWESEN
COSTRUZIONI
CONSTRUCÇÃO
СТРОИТЕЛЬСТВО



EGA Master ofrece una amplia gama de cortaazulejos manuales diseñados para cortes rectos, angulares o circulares de cerámicas hasta 120 cm de ancho.

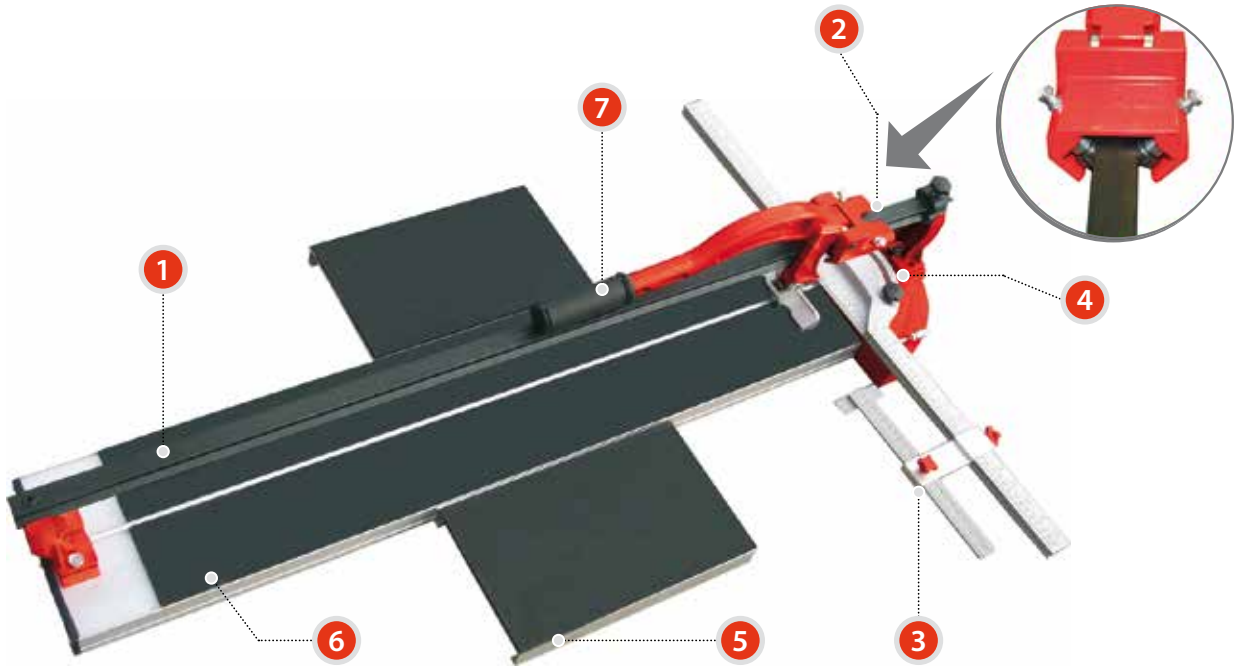
Todos ellos están equipados con guías tubulares o macizas para lograr un corte más preciso y profesional y provistos de una bolsa de nylon para facilitar su transporte.

***EGA Master** offers a wide range of tile cutters designed for straight, angular and circular ceramic cuts up to 120cm wide.*

All of them equipped with tubular or solid guides for accurate and professional cuts, and provided with a nylon bag for their easy transport.

EGA Master offre une grande gamme de coupe carreaux manuels concus pour des coupes droites, angulaires ou circulaires pour des dimensions maximum de 120 cm.

Tous sont équipés de guides tubulaires ou pleins pour obtenir une coupe plus précise et professionnelle, et présentés dans une poche en nylon pour faciliter le transport.



1

Única guía maciza de acero para una mejor visión de rayado y corte.

One solid steel guide for better view of the scrapping and cutting process.

Un guide solide en acier pour une meilleure vue du marquage et une meilleure coupe.

2

Rodamientos ajustables para un corte más preciso.

Adjustable bearings for accurate cutting.

Roulements ajustables pour une meilleure coupe.

3

Tope lateral para realizar cortes repetitivos rectos y a 45°.

Side stop for repetitive straight and 45° cutting.

Câle latérale pour faire des coupes droites et à 45° répétitives.

4

Conjunto de escuadra giratoria con escala métrica y sistema de medición angular para cortes rectos de 0° a 45°.

Swivel square set with metric scale and angular measuring system for 0° to 45° straight cutting.

Système d'équerre rotative avec une graduation métrique pour des coupes de 0° à 45°.

5

Base de aluminio con soportes laterales para un mejor apoyo de cerámicas de gran tamaño.

Aluminium base with movable large extension pads to stand larger ceramic sizes.

Base en aluminium avec des supports latéraux pour un meilleur appui de céramiques de grandes dimensions.

6

Base con efecto amortiguante para lograr cortes con máxima precisión.

Cushion effect base to get highest accuracy cuts.

Base avec effet amortisseur pour obtenir des coupes de grande précision.

7

Mango ergonómico para un fácil agarre y un uso confortable.

Ergonomic handle for easy gripping and comfortable use.

Manche ergonomique pour une meilleure prise et un usage facile.

8

Diseñado para realizar cortes rectos y angulares de cerámicas hasta 120 cm.

Designed for straight and angular ceramic cutting up to 120cm.

Concus pour réaliser des coupes droites ou angulaires de céramiques de 120 cm.

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

CORTAAZULEJOS MANUALES / *HAND TILE CUTTERS* / COUPE CARREAUX MANUELS / *MANUELLER KACHELSCHNEIDER* / TAGLIAPIASTRELLE / *CORTA AZULEIJOS MANUAIS* / РУЧНОЙ ПЛИТКОРЕЗ

CLASSIC

COD.	cm	mm		Kg	
63922	40	4-12	●	4,0	63943 (Ø 22 x 6 x 2 mm)



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

- Guías tubulares de acero cromadas y rectificadas / *Rectified and chromed steel tubular guides* / Guides rectifiés en acier chromé
- Con separador móvil / *Adjustable breaking system* / Avec séparateur mobile
- Base con efecto amortiguante / *Base with cushion effect* / Base avec effet amortisseur
- Visión directa de rayado y corte / *Direct view of scrapping and cutting process* / Vue directe du marquage et du processus de coupe
- Tope lateral para realizar cortes repetitivos rectos y a 45° / *Side limit for repetitive straight and 45 °cuts* / Câle latérale pour des coupes droites répétitives et des coupes à 45°
- Cuchilla de carburo de tungsteno (WIDIA) / *Tungsten carbide cutting wheel (WIDIA)* / Lame en carbure de tungstène (WIDIA)

COD.	cm	mm	mm		Kg	
63924	40	4-12	30-80	●	5,0	63943 (Ø 22 x 6 x 2 mm)



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

- Guías tubulares de acero cromadas y rectificadas / *Rectified and chromed steel tubular guides* / Guides rectifiés en acier chromé
- Con separador móvil / *Adjustable breaking system* / Avec séparateur mobile
- Base con efecto amortiguante / *Base with cushion effect* / Base avec effet amortisseur
- Visión directa de rayado y corte / *Direct view of scrapping and cutting process* / Vue directe du marquage et du processus de coupe
- Cuchilla de carburo de tungsteno (WIDIA) / *Tungsten carbide cutting wheel (WIDIA)* / Lame en carbure de tungstène (WIDIA)
- Tope lateral para realizar cortes repetitivos rectos / *Side limit for repetitive straight cuts* / Câle latérale pour des coupes droites répétitives
- Sistema de medición angular para cortes rectos de 0 a 45° / *Angular measuring system for 0 to 45° straight cutting* / Système de mesure angulaire pour des coupes droites de 0° à 45°
- Taladro para cortes circulares / *Drill hole for circular cutting* / Mèche pour des coupes circulaires

MASTER

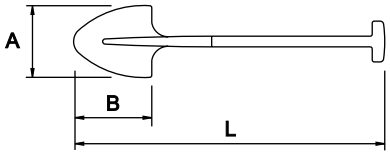
COD.	cm	mm		Kg	
63934	60	≤ 16	●	14	63947 (Ø 20 x 14 x 6 mm)
63936	80			16	
63937	90			17	
63938	100			18	
63939	120			20	



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

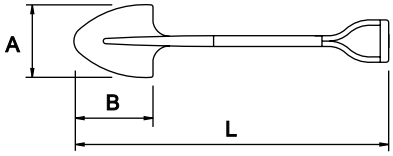
- Con separador móvil / *Adjustable breaking system* / Avec séparateur mobile
- Base con efecto amortiguante / *Base with cushion effect* / Base avec effet amortisseur
- Visión directa de rayado y corte / *Direct view of scrapping and cutting process* / Vue directe du marquage et du processus de coupe
- Tope lateral para realizar cortes repetitivos rectos y a 45° / *Side limit for repetitive straight and 45 °cuts* / Câle latérale pour des coupes droites répétitives et des coupes à 45°
- Guía maciza de acero cromada y rectificada / *Rectified and chromed steel solid guides* / Guide robuste en acier chromé et rectifié
- Conjunto de escuadra giratoria con escala métrica y sistema de medición angular para cortes rectos de 0 a 45° / *Swivel square set with metric scale and angular measuring system for 0 to 45° straight cutting* / Systéme d'équerre giratoire avec graduation métrique et système de mesure d'angle pour des coupes droites de 0° à 45°
- Base de aluminio con soportes laterales moviles para un mejor apoyo de azulejos de gran tamaño / *Aluminum base with movable large extension pads for support of the larger tile sizes* / Base aluminum avec des support latéraux pour un meilleur appui des céramiques de grande dimension
- Cuchilla de carburo de tungsteno (WIDIA) recubierta de nitruro de titanio (TiN) / *Titanio (TiN) coated tungsten carbide (WIDIA) cutting wheel* / Lame en carbure de tungstène (WIDIA) recouverte de nitrure de titane (TIN)

PALAS / *SHOVELS* / PELLES / *SCHAUFELN* / PALE / *PAS* / ЛОПАТКОУЛАВЛИВАТЕЛИ



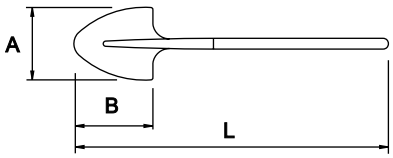
COD.	L (mm)	A (mm)	B (mm)	Kg	
67185	1030	265	325	1,9	6
67186		285	335		





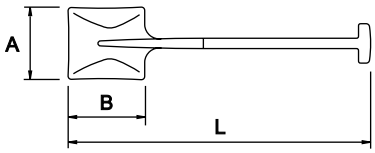
COD.	L (mm)	A (mm)	B (mm)	Kg	
67187	1020	265	325	1,9	6
67188		285	335		





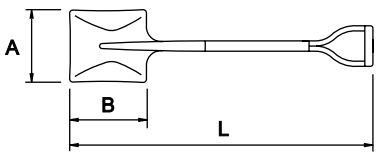
COD.	L (mm)	A (mm)	B (mm)	Kg	
67189	1400	265	325	1,9	6





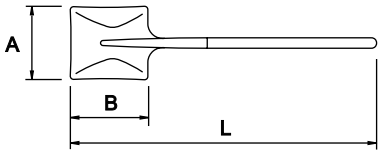
COD.	L (mm)	A (mm)	B (mm)	Kg	
67196	1020	250	325	1,8	6
67197		265	340	1,9	





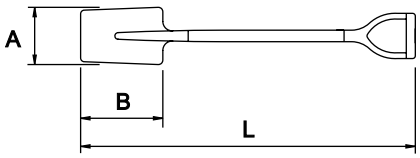
COD.	L (mm)	A (mm)	B (mm)	Kg	
67198	1020	250	325	2,1	6
67199		265	340		





COD.	L (mm)	A (mm)	B (mm)	Kg	
67200	1400	250	325	2,0	6

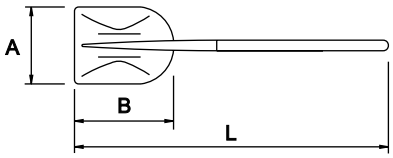




COD.	L (mm)	A (mm)	B (mm)	Kg	
67216	955	160	260	1,7	6

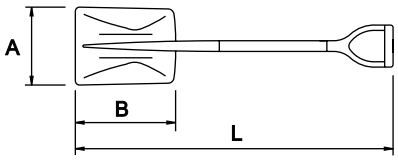


ALUMINIO / *ALUMINIUM* / ALUMINIUM / *ALUMINIUM* / ALLUMINIO / *ALUMÍNIO* / АЛЮМИНИЙ



COD.	L (mm)	A (mm)	B (mm)	Kg	
67209	1620	345	390	1,6	6





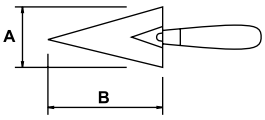
COD.	L (mm)	A (mm)	B (mm)	Kg	
67212	990	260	305	0,9	6



PALETAS / *BRICKLAYERS* / TRUELLES ET COUTEAUX / *MAURERKELLEN* / CAZZUOLE / *COLHERES* / МАСТЕРКИ

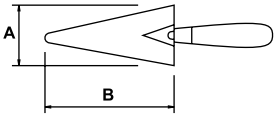
HOJA DE ACERO ESPECIAL, PULIDA Y TEMPLADA. MANGO BARNIZADO / *ALLOY STEEL BLADE, POLISHED AND HARDENED. VARNISHED HANDLE* / ACIER SPECIAL DOUBLEMENT POLI ET TREMPE. MANCHE VERNIE / *KLINGE AUS SPEZIALSTAHL, PLANGESCHLIFFEN. POLIERT UND GEHÄRTET* / ACCIAO SPECIALE LAMA PULITA IMPUGNATURA VERNICIATA / *FOLHA DE AÇO ESPECIAL POLIDA E TEMPERADA. CABO ENVERNIZADO* / ПЛАСТИНА ИЗ СТАЛЬНОГО СПЛАВА, ДВОЙНАЯ ПОЛИРОВКА И ЗАКАЛКА, ЛАКИРОВАННАЯ РУКОЯТКА

STANDARD



COD.	A (mm)	B (mm)	g		
67000	50	105	120	6	●
67001	70	130	135		

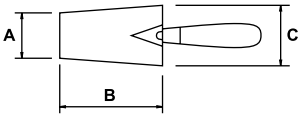




COD.	A (mm)	B (mm)	g		
67002	70	130	135	6	●



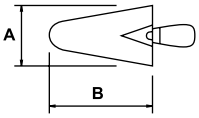
MOD. NORTE / *MOD. NORTH* / MOD. NORD / *MOD. NORDEN* / MOD. NORD / *MOD. NORTE* / МАСТЕРОК МОДЕЛЬ "СЕВЕР"



COD.	A (mm)	B (mm)	C (mm)	g		
67004	87	180	115	340	6	●



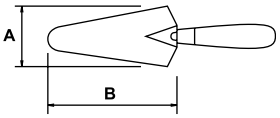
MOD. CATALÁN / *MOD. CATALAN* / MOD. CATALAN / *MOD. CATALAN* / MOD. CATALANO / *MOD. CATALÃO* / МАСТЕРОК МОДЕЛЬ "КАТАЛАНСКИЙ"



COD.	A (mm)	B (mm)	g		
67006	115	160	310	6	●
67005	122	170	320		



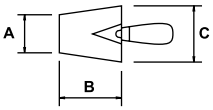
MOD. MADRID / *MOD. MADRID* / MOD. MADRID / *MOD. MADRID* / MOD. MADRID / *MOD. MADRID* / МАСТЕРОК МОДЕЛЬ "МАДРИД"



COD.	A (mm)	B (mm)	g		
67007	70	150	150	6	●
67008	85	165	175		
67010	105	200	245		
67019	115	230	290		



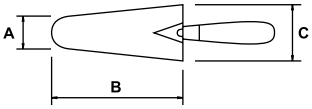
MOD. ALICATADOR / *MOD. TILER* / MOD. CARRELEUR / *MOD. FLIESENLEGER* / MOD. GALIZIANO / *MOD.LADRILHADOR* / MOD. ALICATADOR



COD.	A (mm)	B (mm)	C (mm)	g		
67012	65	120	120	280	6	●



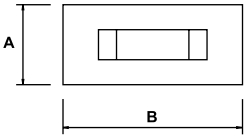
MOD. PORTUGAL / *MOD. PORTUGAL* / MOD. PORTUGAL / *MOD. PORTUGAL* / MOD. PORTOGALLO / *MOD. PORTUGAL* / МАСТЕРОК МОДЕЛЬ "ПОРТУГАЛИЯ"



COD.	A (mm)	B (mm)	C (mm)	g		
67015	56	220	120	390	6	●
67014	60	250	130	480		

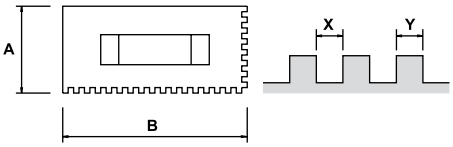


LLANAS / *TROWELS* / TRUELLE / *KELLEN* / FRATTONI / *TALOCHAS* / ГЛАДИЛКА



COD.	A (mm)	B (mm)	g		
67016	150	300	500	5	●

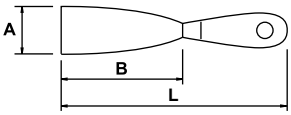




COD.	A (mm)	B (mm)	g		
67018	150	300	500	5	●



ESPÁTULAS / *SCRAPERS* / SPATULE / *SCHABER* / SPATOLE / *ESPÁTULAS* / ШПАТЕЛЬ



COD.	L (mm)	A (mm)	B (mm)	g		
67020	230	30	115	65	12	●
67021		40	120			
67022		50				
67023	240	60	125	75		
67024		70				
67025	245	80	135	85		
67026		90				
67027	255	100	140	90		



KIT 64 PCS.

COD.	PCS.
67029	64

PCS.	COD. PCS.
8	67020
	67021
	67022
	67023
	67024
	67025
	67026
	67027



PALANCA BOCA CURVA / *PRY BAR* / PINCE À TALON COURBE / *BRECHSTANGE, GESCHLOSSER* / LEVA UNGHIA CHIUSA / *ALAVANCA BOCA CURVA* / КРЮК

COD.	L (inch)	L (mm)	Kg	
67202	6	150	0,1	6
67203	12	300	0,2	
67204	16	405	0,5	
67205	20	490	0,8	



KIT 4 PCS.

COD.	PCS.	Kg	
67206	4	1,6	1

Composición / *Composition* / Composition
67202, 67203, 67204, 67205

PALANCA DE ENCOFRADOR / *WRECKING BAR* / PINCE À DECOFFRER / *NAGELEISEN* / LEVERINO CARPENTIERE / *ALAVANCAS DE ENCOFRADOR* / МОНТИРОВКА



COD.	L (inch)	mm	g
63261	12	14	250
63262	18	16	700
63263	24		1400
63264	30	18	2000
63265	36		2400
63266	42	19	2750
63267	48		3100

PERFORADORAS / *DRILLS* / CAROTTEUSE À BETON / *BOHRGERÄTE* / PERFORATORE / *PERFURADORAS* / КОРОНКИ

PERFOMATIC - 102



COD.	CAP. Ø	W	V	CONEX.	R.P.M.	Kg
60228	12-102	1500	220-240 V (50-60 Hz)	1/2" BSP - 1.1/4" UNC *	950-2100	22
60229			110-130 V (50-60 Hz)			

CE | 12M | *: 1/2" Hembra - 1.1/4" Macho / *1/2" Female - 1.1/4" Male* / 1/2" Femelle - 1.1/4" Male

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

SSR: Sistema de arranque suave / *SSR: Soft start system* / SSR: Système doux de démarrage

PRCD: Incluido (para evitar picos de tensión) / *PRCD: Included (to avoid voltage picks)* / PRCD: Inclue ((pour éviter des pics de tension)

PERFOMATIC - 205



COD.	CAP. Ø	W	V	CONEX.	R.P.M.	L			Kg
60230	12-205	2400	220-240 V / 50-60 Hz	1/2" BSP - 1.1/4" UNC *	600	●	-	-	41
60231						-	●		
60232						●	-	●	
60233						-	●		
60234						●	-	-	
60235			110-130 V / 50-60 Hz			-	●		
60236						●	-	●	
60237						-	●		

CE | 12M | *: 1/2" Hembra - 1.1/4" Macho / *1/2" Female - 1.1/4" Male* / 1/2" Femelle - 1.1/4" Male

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

PRCD: Incluido (para evitar picos de tensión) / *PRCD: Included (to avoid voltage picks)* / PRCD: Inclue ((pour éviter des pics de tension)

L Soporte fijo / *Fixed bracket* / Support fixe

Soporte reclinable 90º / *90º reclinable bracket* / Support inclinable 90º

Ventosa / *Vacuum base* / Ventouse

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

PERFOMATIC - 255

COD.	CAP. Ø	W	V	CONEX.	R.P.M.	L			Kg
60239	12-255	2600	220-240 V / 50-60 Hz	1/2" BSP - 1.1/4" UNC *	460-900	-	●	-	45
60240							-	●	
60241							●		
60242			110-130 V / 50-60 Hz			●	-	-	
60243						-	●		
60244						●	-	●	
60245						-	●		

CE | 12M | *: 1/2" Hembra - 1.1/4" Macho / *1/2" Female - 1.1/4" Male* / 1/2" Femelle - 1.1/4" Male

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

PRCD: Incluido (para evitar picos de tensión) / *PRCD: Included (to avoid voltage picks)* / PRCD: Inclue ((pour éviter des pics de tension)



PERFOMATIC - 300

COD.	CAP. Ø	W	V	CONEX.	R.P.M.	L			Kg
60246	12-300	3300	220-240 V / 50-60 Hz	1/2" BSP - 1.1/4" UNC *	460-900	●	-	-	50
60247						-	●		
60248						●	-	●	
60249						-	●		
60250			110-130 V / 50-60 Hz			●	-	-	
60251						-	●		
60252						●	-	●	
60253						-	●		

CE | 12M | *: 1/2" Hembra - 1.1/4" Macho / *1/2" Female - 1.1/4" Male* / 1/2" Femelle - 1.1/4" Male

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

PRCD: Incluido (para evitar picos de tensión) / *PRCD: Included (to avoid voltage picks)* / PRCD: Inclue ((pour éviter des pics de tension)



L **Soporte fijo** / *Fixed bracket* / **Support fixe**

Soporte reclinable 90º / *90º reclinable bracket* / **Support inclinable 90º**

Ventosa / *Vacuum base* / **Ventouse**

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

BROCA DE HORMIGÓN, SEGMENTOS DE DIAMANTE SINTERIZADOS / *SINTERED DIAMOND DRILLS FOR REINFORCED CONCRETE DRILLS* / COURONNES AVEC INTEGRATION DES SEGMENTS DIAMANTES POUR LE FORAGE DE BETONS ARMES / *DIAMANT-BOHRKRONEN FÜR STAHL UND BETON* / CORONA PER CEMENTO ARMATO, PUNTA DIAMANTATA SINTERIZZATA / *BROCA PARA CIMENTO ARMADO, SEGMENTOS DE DIAMANTE SINTERIZADOS* / АЛМАЗНЫЕ КОРОНКИ ДЛЯ СВЕРЛЕНИЯ ЖЕЛЕЗОБЕТОНА

PARA CORTE HÚMEDO / *FOR WET CUT* / FORAGE À L'EAU / *ZUM NASSBOHREN* / PER TAGLIO AD ACQUA / *PARA CORTE HUMIDO* / ДЛЯ МОКРОГО СВЕРЛЕНИЯ



COD.	O.D. mm	L (mm)	CONEX.
64366	32	360	1.1/4" UNC - Hembra / *1.1/4" UNC - Female* / 1.1/4" UNC - Femelle
64367	44		
64368	53		
64369	63		
64370	71		
64371	83		
64372	89		
64373	102		
64375	120		
64376	127		
64377	132		
64378	150		
64379	159		
64380	166		
64381	180		
64382	202		
64383	220		
64384	244		
64385	300		
57100	32	450	
57101	44		
57102	53		
57103	63		
57104	71		
57105	83		
57106	89		
57107	102		
57108	110		
57109	120		
57110	127		
57111	132		
57112	150		
57113	159		
57114	166		
57115	180		
57116	202		
57117	220		
57118	244		
57119	300		



COD.	O.D. mm	L (mm)	CONEX.
64355	12	120	1/2" BSP - Macho / *1/2" BSP - Male* / 1/2" BSP - Male
64356	18	220	
64357	26	320	
64358	32		
64359	44		
64360	53		
64361	63		
64362	71		
64363	83		
64364	89		
64365	102		

PARA CORTE SECO / *FOR DRY CUT* / FORAGE À SEC / *ZUM TROCKENBOHREN* / PER TAGLIO ASCIUTO / *PARA CORTE SECO* / ДЛЯ СУХОГО СВЕРЛЕНИЯ



COD.	O.D. mm	L (mm)	CONEX.
64386	32	300	1/2" BSP - Macho / *1/2" BSP - Male* / 1/2" BSP - Male
64387	44		
64388	53		
64389	63		
64390	71		
64392	89		
64393	102		
64394	110		
64395	120		
64396	132		
64397	150		

SOPORTE FIJO / *FIXED BRACKET* / SUPPORT FIXE / *STÄNDER* / SUPPORTO FISSO / *SUPORTE FIXO* / СТАНИНА ДЛЯ СВЕРЛЕНИЯ



COD.	Para máquinas / *For machines* / Pour machines	Kg
64398	PERFOMATIC-205 / PERFOMATIC-255 / PERFOMATIC-300	22

SOPORTE RECLINABLE 90º / *90º RECLINABLE BRACKET* / SUPPORT INCLINABLE 90º / *STÄNDER 90º SCHWENKBAR* / SUPPORTO INCLINABILE 90º / *SUPORTE 90º INCLINAVEL* / СТАНИНА ДЛЯ СВЕРЛЕНИЯ ПОД УГЛОМ



COD.	Para máquinas / *For machines* / Pour machines	Kg
64399	PERFOMATIC-205 / PERFOMATIC-255 / PERFOMATIC-300	35

VENTOSA / *VACUUM BASE* / VENTOUSE / *VAKUUM SOCKEL* / VENTOSA / *VENTOSA* / ВАКУУМНАЯ ПЛИТА

KIT VENTOSA + BOMBA / *KIT VACUUM BASE + PUMP* / KIT VENTOUSE + POMPE / *SATZ VAKUUM SOCKEL + PUMPE* / KIT VENTOSA + POMPA / *KIT VENTOSA + BOMBA* / ВАКУУМНАЯ ПЛИТА В КОМПЛЕКТЕ С ВАКУУМНЫМ НАСОСОМ



COD.	Para máquinas / *For machines* / Pour machines	Kg
64400	PERFOMATIC-102 / PERFOMATIC-205 / PERFOMATIC-255 / PERFOMATIC-300	6,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	64409	VENTOSA / *VACUUM BASE*
	64410	BOMBA / *PUMP*

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

VENTOSA / *VACUUM BASE* / VENTOUSE / *VAKUUM SOCKEL* / VENTOSA / *VENTOSA* / ВАКУУМНАЯ ПЛИТА

COD.
64409



BOMBA / *PUMP* / POMPE / *PUMPE* / POMPA / *BOMBA* / ВАКУУМНЫЙ НАСОС

COD.
64410

12M



EXTENSIÓN / *EXTENSION* / EXTENSION / *VERLÄNGERUNG* / ESTENSORE / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	CONEX.	O.D. mm	L (mm)	Para máquinas / *For machines* / Pour machines	Kg
64406	1.1/4" UNC	40	150	PERFOMATIC-102 / PERFOMATIC-205 / PERFOMATIC-255 / PERFOMATIC-300	1,0
64407			210		1,3
64414	1/2" BSP	30	200		0,8



MANGO / *HANDLE* / MANCHE / *GRIFF* / MANICO / *PUNHO* / РУКОЯТКА

COD.	Para máquinas / *For machines* / Pour machines	Kg
64408	PERFOMATIC-102	0,7



CONECTOR ADAPTADOR ROSCA / *THREAD CONNECTION ADAPTOR* / CONNECTEUR ADAPTATEUR DE FILETAGE / *ADAPTOR VERBINDUNGSADAPTER FUR GEWINDE* / ADATTATORE CONNETTORE FILETTATO / *ADAPTADOR DE ROSCA* / РЕЗЬБОВОЙ ПЕРЕХОДНИК

COD.	CONEX.	Kg
64426	1.1/4" UNC (hembra) - 1/2" BSP (hembra) / *1.1/4" UNC (female) - 1/2" BSP (female)* / 1.1/4" UNC (femelle) - 1/2" BSP (femelle)	0,4





12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

MÁQUINAS DE CORTE / *CUTTING MACHINES* / MACHINES DE COUPE / *SCHNEIDMASCHINEN* / MACCHINE DA TAGLIO / *MACCHINA TAGLIATRICE* / МАШИНЫ ДЛЯ РУБКИ АРМАТУРЫ

CORTAVARILLAS ELECTROHIDRÁULICO / *ELECTROHYDRAULIC REBAR CUTTERS* / COUPE BOULON ELECTRO-HYDRAULIQUE / *ELEKTRO-HYDRAULISCHER STAHLDRAHTSCHNEIDER* / TAGLIABULLONI ELETTRICO / *TESOURA CORTA VARÃO ELECTRO HIDRAULICA* / ЭЛЕКТРОГИДРАВЛИЧЕСКИЕ РУБЩИКИ АРМАТУРЫ

REBARMATIC - 22

ANTES / *BEFORE* / AVANT



DESPUÉS / *AFTER* / APRÈS



COD.	V	CAP. (mm)	W	Kg	
60271	220-240V (50-60Hz)	Ø4- Ø22	850	12	64178
60273	110-130V (50-60hZ)				

CE | 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Capacidad (mm) / *Capacity (mm)* / Capacité (mm)	4-22
Velocidad de corte / *Cutting speed* / Vitesse de coupe	3 sg (22mm)
Sistema electrohidráulico / *Electrohydraulic system* / Système electrohydraulique	●
Tamaño estuche (mm) / *Case dimensions (mm)* / Dimension de l'étui (mm)	420x130x150
Estuche metálico / *Metallic case* / Étui métallique	●

SIERRA PARA LADRILLOS CON MESA / *BENCH BRICKS CUT-OFF MACHINE* / SCIE À BRIQUES AVEC TABLE / *TISCHKREISSÄGE FÜR BACKSTEIN* / MACCHINA DA TAGLIO CON BANCO / *SERRA PARA CORTAR MOSAICOS CON MESA* / НАСТОЛЬНАЯ ПИЛА ДЛЯ КИРПИЧА

COD.	O.D. mm	CAP. (mm)	V	W	R.P.M.	Kg
60257	355	255 x 406 x 127	110-130V (50-60Hz)	1650	3500	21

CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Refrigerada por agua / *Water-Cooled* / Refroidiseur d'eau

SIERRA PARA LADRILLOS / *BRICKS CUT-OFF SAW* / SCIE À BRIQUES / *KREISSÄGE FÜR BACKSTEIN* / MACCHINA DA TAGLIO / *SERRA PARA CORTAR MOSAICOS* / ПИЛА ДЛЯ ОТРЕЗКИ КИРПИЧЕЙ

COD.	O.D. mm	CAP. (mm)	V	W	R.P.M.	Kg
60258	355	255 x 406 x 127	220-240V (50-60Hz)	1650	3500	11
60259			110-130V (50-60Hz)			

CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Refrigerada por agua / *Water-Cooled* / Refroidiseur d'eau

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

28

MEDICIÓN Y DETECCIÓN
MEASURING AND DETECTION
MESURE ET DÉTECTION
MESSTECHNIK UND DETEKTION
MISURAZIONE E RILEVAMENTO
MEDIÇÃO E DETECÇÃO
ИЗМЕРЕНИЕ И ОПРЕДЕЛЕНИЕ



1

BIMAT *

Carcasa Bimaterial ABS + Elastómero resistente al choque y a la abrasión.
ABS + Elastomer antishock and antiabrasion bimaterial case.
Boîtier bimatière ABS + élastomère résistant aux chocs et à l'abrasion.

2

Sistema de bloqueo automático con rodillos. Desbloqueo mediante pulsación.
Automatic locking system with rollers. Unlock by pressing.
Système de verrouillage automatique à galets. Déverrouiller en appuyant.

2 STOPS *

Doble acción de bloqueo y freno para la máxima comodidad de utilización y seguridad.
Doble action safety blocking and braking for maximun comfort.
Système double-action de freinage et de blocage pour un meilleur confort d'utilisation.

3

Muelle de retorno extrafuerte con sistema de cambio de cinta RapidChange.
ExtraResistant returning spring equipped with Rapid Change quick blade-replacing system.
Ressort de rembobinage ultra-renforcé avec système de remplacement de ruban Ultra-rapide.

4

NYLON *

Recubrimiento de nylon MASTER 15 veces más resistente a la abrasión y a la oxidación. Antiadherente y antireflectante.
MASTER nylon coating , 15 times more resistant against abrasion and rust. Dirt anti-adherence and non-reflecting.
Revêtement de nylon MASTER 15 fois plus résistant à l'abrasion et à l'oxydation. Anti-adhérente et anti-réfléchissante.

URAR *

Recubrimiento 10 veces más resitente a la abrasión y a la oxidación. Antiadherente y antireflectante.
10 times more resistant against abrasion and rust. Dirt anti-adherence and non-reflecting.
Revêtement 10 fois plus résistant à l'abrasion et à l'oxydation. Anti-adhérente et anti-réfléchissante.

INOX *

Cinta y todos los componentes metálicos de acero inoxidable para trabajos ambientales de máxima humedad.
Tape and all metallic components made in Stainless Steel to work under the most humid environmental conditions.
Ruban et tous composants métalliques en acier inoxydable pour travaux en environnements humides.

Graduación continua y de fácil visión para entornos lejanos o poco iluminados.
Continous and easy-reading scale for long distances or low light enviroments.
Graduation continue et à visible à longue distance et avec peu de luminosité.

Cinta mate.
Matt tape.
Ruban mat.

Cintas de acero de 0,13 mm de espesor de la mayor calidad y resistencia a la flexión, recubiertas con las más avanzadas técnicas antireflexión, antiabrasión, antiadherencia y antioxidación.
Bending resistant and highest quality 0,13 mm thickness steel blades, equiped with the most advanced techniques in antireflection, antiabrasion, antiadherence and antirust coating.
Ruban en acier de 0,13 mm d'épaisseur première qualité de grande résistance, recouvert avec les meilleures techniques anti-réfléchissantes, anti-abrasion, anti-adhérence et anti-oxydation.

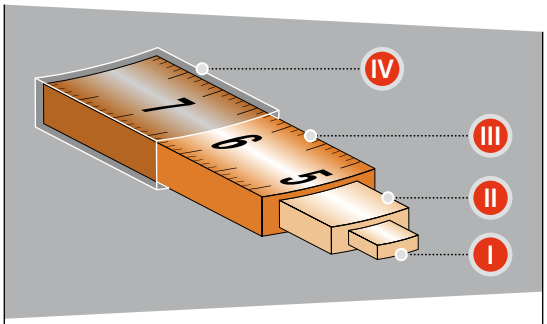


5

MAGNET *

Potente uña magnética.
Powerful Magnetic Hook.
Onglet magnetique puissant.

Uñas reforzadas antichoque en todos los modelos para los trabajos más exigentes.
Antishock reinforced hooks for the toughest jobs.
Crochets renforcés anti-chocs sur tous les modèles, pour les utilistions les plus exigeantes.



I

Hoja de acero templada: acero carbono o acero inoxidable.
Tempered steel spring blade: Carbon steel or Stainless steel.
Feuille d'acier tendre : acier-carbone ou acier inoxydable.

II

Pintura antiabrasiva: amarillo / plateado.
Anticorrosive painting: yellow / silver.
Peinture anti-corrosive : jaune / argent.

III

Estampación de graduación continua.
Continuous printed graduation.
Graduation continue pressée.

IV

Recubrimiento antiabrasivo transparente.
Anticorrosive transparent coating.
Revêtement anti-corrosion transparent.

* **Características adicionales específicas en cada modelo.**
Aditional specifications for each model.
Caractéristiques additionnelles spécifiques à chaque modèle.





Precisión *Accuracy* Precision	Long. / Tolerancia *Lenght / Tolerance* Long. / Tolerance ± mm								
	1 m	2m	3 m	5 m	8 m	10 m	20 m	30 m	50 m
Class II = 0,3 + 0,2 L	0,5	0,7	0,9	1,3	1,9	2,3	4,3	6,3	10,3
Class III = 0,6 + 0,4 L	1,0	1,4	1,8	2,6	3,8	4,6	8,6	12,6	20,6

FLEXÓMETROS / *MEASURING TAPES* / MÈTRES À RUBAN / *STAHLROLLBANDMASSE* / FLESSOMETRI / *FITAS METRICAS* / РУЛЕТКИ

INOX

COD.	L m	mm	CLIP			g		
65163	5	19	●	●	mm	210	12	●

INOX BMAT NYLON | Class II



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	MATT
15 veces más resistente a la abrasión y oxidación / *15 times more resistant against abrasion and rust* / 15 fois plus résistant contre l'abrasion et la rouille	NYLON
Todos los componentes metálicos de acero inoxidable / *All metallic components made in Stainless Steel* / Tous les composants métalliques faits en acier inoxydable	●

COD.	L m/ft	mm	CLIP			g		
65355	3/10	16	●	●	mm/inch	110	12	●
65356	5/16	19				210		

INOX BMAT NYLON | Class II

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	MATT
15 veces más resistente a la abrasión y oxidación / *15 times more resistant against abrasion and rust* / 15 fois plus résistant contre l'abrasion et la rouille	NYLON
Todos los componentes metálicos de acero inoxidable / *All metallic components made in Stainless Steel* / Tous les composants métalliques faits en acier inoxydable	●

ROBUST II

COD.	L m	mm	CLIP			m	m	g		
65164	3	19	●	●	mm	2	2,8	110	15	●
65165	5	25				2,4	3,7	225	12	
65166	8							420		

BMAT NYLON | Class II



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	MATT
15 veces más resistente a la abrasión y oxidación / *15 times more resistant against abrasion and rust* / 15 fois plus résistant contre l'abrasion et la rouille	NYLON

COD.	L m/ft	mm	CLIP			m	m	g		
65357	3/10	19	●	●	mm/inch	2	2,8	110	15	●
65358	5/16	25				2,4	3,7	225	12	
65359	8/26							420		

BMAT NYLON | Class II

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	MATT
15 veces más resistente a la abrasión y oxidación / *15 times more resistant against abrasion and rust* / 15 fois plus résistant contre l'abrasion et la rouille	NYLON

ROBUST II MAGNET

COD.	L m	mm		CLIP			m	m	g		
65167	5	25	●	●	●	mm	2,3	3,5	220	12	●

BMAT MAGNET NYLON | Class II



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	MATT
15 veces más resistente a la abrasión y oxidación / *15 times more resistant against abrasion and rust* / 15 fois plus résistant contre l'abrasion et la rouille	NYLON

COD.	L m/ft	mm		CLIP			m	m	g		
65360	5/16	25	●	●	●	mm/inch	2,3	3,5	220	12	●

BMAT MAGNET NYLON | Class II

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	MATT
15 veces más resistente a la abrasión y oxidación / *15 times more resistant against abrasion and rust* / 15 fois plus résistant contre l'abrasion et la rouille	NYLON

RALLYE II



COD.	L m	mm	CLIP			m	m	g		
65171	2	16	●	●	mm	1,6	1,9	105	20	●
65172	3							120		
65173	5	19				1,8	2,2	200	18	
65174	8	25				2,3	3,1	330	12	

BMAT URAR | Class II

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	MATT
10 veces más resistente a la abrasión y oxidación / *10 times more resistant against abrasion and rust* / 10 fois plus résistant contre l'abrasion et la rouille	URAR

COD.	L m/ft	mm	CLIP			m	m	g		
65361	2/6	16	●	●	mm/inch	1,6	1,9	105	20	●
65362	3/10							120		
65363	5/16	19				1,8	2,2	200	18	
65364	8/26	25				2,3	3,1	330	12	

BMAT URAR | Class II

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	MATT
10 veces más resistente a la abrasión y oxidación / *10 times more resistant against abrasion and rust* / 10 fois plus résistant contre l'abrasion et la rouille	URAR

CINTAS MÉTRICAS / *LONG MEASURING TAPES* / RUBAN DE MESURE / *STAHLBANDMASS MIT GRIFF* / BINDELLA / *FITAS METRICAS LONGAS* / ДЛИННЫЕ РУЛЕТКИ

MODELOS EN CARCASA BIMATERIAL ANTICHOQUE (BIMAT) EQUIPADOS CON SISTEMAS DE RECOGIDA RÁPIDA DE CINTA ANTIATASCO / *ANTISHOCK BIMATERIAL CASES (BIMAT) EQUIPPED WITH ANTI-BLOCKAGE FAST REWINDING SYSTEM* / **MODELES AVEC ANTI-CHOCS BI-MATIERE (BIMAT) EQUIPES D'UN SYSTEME DE REMBOBINAGE RAPIDE ANTI-BLOCAGE** / *ANTISHOCK ZWEI KOMPONENTE KOFFER (BIMAT) AUSGESTATTET MIT EINEN SCHNELLER AUFWICKLUNGSSYSTEMM MIT ANTI-BLOCKIERUNG* / **MODELLI IN ALLOGGIAMENTO BIMATERIALE ANTISHOCK (BIMAT) EQUIPAGGIATO CON SISTEMA DI RACCOLTA RAPIDA DEL NASTRO ANTI-INCEPPAMENTO** / *MODELOS EM CARCAÇA BIMATERIAL ANTI-CHOQUE (BIMAT), EQUIPADOS COM SISTEMA DE RECOLHA RÁPIDO DE FITA ANTI-BLOQUEIO* / **МОДЕЛИ С КОРПУСОМ ИЗ АНТИШОКОВОГО МАТЕРИАЛА (БИМАТ) ОБОРУДОВАННЫЕ ПРОТИВОЗАТОРНОЙ СИСТЕМОЙ ДЛЯ БЫСТРОГО СМАТЫВАНИИ ЛЕНТЫ**

CINTA DE ACERO / *STEEL TAPE* / RUBAN D'ACIER / *STAHLBANDMASS* / NASTRO IN ACCIAIO / *FITA METRICA DE AÇO* / СТАЛЬНАЯ ЛЕНТА



COD.	L m	mm		g		
65175	10	13	mm	440	5	●
65176	20			520		
65177	30			650		

BMAT | Class III

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Acabado / *Finishing* / Finition	Normal amarillo lacado / *Normal yellow lacquered* / Jaune normal laque

CINTA DE FIBRA DE VIDRIO / *FIBER GLASS TAPE* / RUBAN EN FIBRE DE VERRE / *BANDMASS GLASFASER* / NASTRO IN FIBRA DI VETRO / *FITA METRICA DE FIBRA DE VIDRO* / ФИБЕРГЛАССОВАЯ ЛЕНТА

COD.	L m	mm		g		
65178	10	13	mm	360	5	●
65179	20			400		
65180	30			440		
65181	50			750		



BMAT | Class III

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Acabado / *Finishing* / Finition	Fibra de vidrio / *Fiberglass* / Fibre de verre

COD.	L m/ft	mm		g		
65365	10/33	13	mm/inch	360	5	●
65367	30/100			440		
65368	50/165			750		

BMAT | Class III

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Acabado / *Finishing* / Finition	Fibra de vidrio / *Fiberglass* / Fibre de verre

SONDA / *TANK DIPPING TAPE* / SONDE / *TANKMASSBAND* / SONDE / *SONDA* / РУЛЕТКА ДЛЯ ЗАМЕРОВ ТАНКОВ

COD.	L m	mm		g		
65182	10	13	mm	500	1	●
65184	30			700		



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cinta para mediciones en inmersión en tanques oleaginosos / *Tank dipping tape for oleaginous tanks* / Rubans pour mesures immergées en réservoirs oléagineux

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Acabado / *Finishing* / Finition	Cinta negra / *Black tape* / Bande noire
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium

CINTA DE ACERO / *STEEL TAPE* / RUBAN D'ACIER / *STAHLBANDMASS* / NASTRO IN ACCIAIO / *FITA METRICA DE AÇO* / СТАЛЬНАЯ ЛЕНТА

COD.	L m	mm		g		
65185	10	13	mm	400	1	●
65186	20			500		
65187	30			600		
65188	50			700		



Class III

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Gama de cinta de tipo pistola ergonómica de fácil manejo / *Ergonomic Gun Type Long Tape* / Gamme de ruban revolver ergonomiques pour un usage facilité

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Acabado / *Finishing* / Finition	Normal amarillo lacado / *Normal yellow lacquered* / Jaune normal laque
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium

NIVELES / *SPIRIT LEVELS* / NIVEAUX / *WASSERWAAGEN* / LIVELLE / *NIVEIS* / ЖИДКОСТНОЙ УРОВЕНЬ

TUBULAR DE ALTA PRECISIÓN 0,5MM/M / *0,5MM/M HIGH ACCURACY SPIRIT LEVEL* / NIVEAU TUBULAIRE DE HAUTE PRECISION 0,5MM/M / *PROFI WASSERWAGEN 0,5MM/M AKKURAT* / LIVELLA TUBOLARE AD ALTA PRECISIONE 0,5MM/M / *NIVEL TUBULAR DE ALTA PRECISÃO 0,5MM/M* / ЖИДКОСТНЫЕ УРОВНИ ВЫСОКОЙ ТОЧНОСТИ 0,5MM/M



COD.	L (mm)		(mm/m)	g	
65191	300			200	
65192	400			240	
65193	500			300	
65194	600	3	0,5	360	6
65195	800			460	
65196	1000			550	
65197	1200			600	

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	0,5 mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●
Asas de fácil manejo / *Easy-use handles* / Anses pour maniement aise	●

TUBULAR MAGNÉTICO DE PRECISIÓN 1MM-M / *1MM-M ACCURACY MAGNETIC SPIRIT LEVEL* / NIVEAU TUBULAIRE DE PRECISION 1MM-M MAGNETIQUE / *MAGNETISCHE WASSERWAGEN 1MM-M ACCURAT* / LIVELLA MAGNETICA TUBOLARE DI PRECISIONE 1MM-M / *NIVEL TUBULAR DE PRECISÃO 1MM-M MAGNETICO* / МАГНИТНЫЕ ЖИДКОСТНЫЕ УРОВНИ С ТОЧНОСТЬЮ 1MM-M



COD.	L (mm)			(mm/m)	g	
65145	400				230	
65147	600				310	
65198	800				700	
65199	1000	●	3	1	900	6
65200	1200				1000	
65201	1500				1250	
65689	2000				1500	

MAGNET

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	1 mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●
Magnético para sujección a superficies metálicas / *Magnetic for fixing to metallic surfaces* / Magnetique pour accroche sur superficies metalliques	●

TUBULAR DE PRECISIÓN 1MM-M ESCALA GRADUADA / *GRADUATED SCALE 1MM-M ACCURACY SPIRIT LEVEL* / NIVEAU TUBULAIRE DE PRECISION 1MM-M ECHELLE GRADUEE / *GRADUAL WASSERWAGEN 1MM-M ACCURAT* / LIVELLA TUBOLARE DI PRECISIONE CON SCALA GRADUATA 1MM-M / *NIVEL TUBULAR DE PRECISÃO 1MM-M ESCALA GRADUADA* / ГРАДУИРОВАННАЯ ШКАЛА С ЖИДКОСТНЫМ УРОВНЕМ 1MM-M



COD.	L (mm)		(mm/m)	g	
65148	300			140	
65149	400			180	
65151	600	3	1	300	1
65152	700			340	
65153	800			400	
65154	1000			480	

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	1 mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●
Escala graduada / *Graduated scale base* / Echelle graduee	●

NIVEL TRAPEZOIDAL / *BRIDGE TYPE SPIRIT LEVEL* / NIVEAU TRAPEZOIDAL / *EINSOHLIGE WASSERWAGEN* / LIVELLA TRAPEZIOIDALE / *NÍVEL TRAPEZOIDAL* / МОСТОВОГО ТИПА



COD.	L (mm)		(mm/m)	g	
65155	400	2	1	250	6
65156	500			320	
65157	600			400	

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	1mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●



COD.	L (mm)			(mm/m)	g	
65293	400	●	2	1	250	6
65294	500				320	
65295	600				400	

MAGNET

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	1mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●

NIVEL TRAPEZOIDAL PROFESIONAL / *PROFESSIONAL BRIDGE TYPE SPIRIT LEVEL* / NIVEAU TRAPEZOIDAL PROFESSIONNEL / *PROFI EINSOHLIGE WASSERWAGEN* / LIVELLA TRAPEZIOIDALE PROFESSIONALE / *NÍVEL TRAPEZOIDAL PROFISSIONAL* / ПРОФЕССИОНАЛЬНЫЙ ПУЗЫРЬКОВЫЙ УРОВЕНЬ



COD.	L (mm)		(mm/m)	g	
57525	400	2	0,5	440	6
57526	500			560	

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	0,5 mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●



COD.	L (mm)		(mm/m)	g	
57527	600	3	0,5	650	6

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	0,5 mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●



COD.	L (mm)			(mm/m)	g	
57528	400	●	2	0,5	460	6
57529	500				580	

MAGNET

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	0,5 mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●

COD.	L (mm)			(mm/m)	g	
57530	600	●	3	0,5	670	6

MAGNET



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	0,5 mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Aluminio / *Aluminum* / Aluminium
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●

TORPEDO / *TORPEDO* / TORPILLE / *TORPEDO WASSERWAGEN* / LIVELLA TORPEDO / *NIVEL TORPEDO* / ТОРПЕДО

COD.	L (mm)			(mm/m)	g	
65158	220	●	3	1	110	6

MAGNET



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	1 mm/m
Material de la carcasa / *Housing material* / Matériel carcasse	Plástico / *Plastic* / Plastique
Burbujas antichoque / *Antischock vials* / Fioles antichocs	●

PLOMADA TRAZADORA / *CHALK LINE REEL* / CORDEAU RECHARGEABLE / *SCHLAGSCHNURROLLER* / GESSO TRACCIATORE / *LINHAS DE TRAÇAR* / МЕЛОВОЙ МАРКЕР

COD.	(mm/m)	g	
65203	15 m	370	3





COD.	g	
64418	115	3
64419	230	



BE SAFE...BE EFFICIENT

NIVELES LÁSER Y MEDIDORES / *LASER LEVELS AND MEASURERS* / NIVEAUX LASER ET MESURES / *LINIENLASER UND VERMESSUNG* / METRI E LIVELLE / *NÍVEIS LASER E MEDIDORES* / ЛАЗЕРНЫЕ ИЗМЕРИТЕЛИ И УРОВНИ

NIVEL LÁSER AUTONIVELANTE STANDARD / *STANDARD SELF-LEVELING LASER LEVEL* / NIVEAU LASER AUTO-RÉGLABLE STANDARD / *STANDARD SELBSTNIVILIERENDE LINIENLASER* / LIVELLA AUTOLIVELLANTE STANDARD / *NÍVEL LASER AUTONIVELANTE STANDARD* / СТАНДАРТНЫЙ САМОУСТАНАВЛИВАЮЩИЙСЯ УРОВЕНЬ

COD. **65514**

CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Proyección láser horizontal / *Horizontal laser line* / Laser horizontal	
Proyección láser vertical / *Vertical laser line* / Laser vertical	
Proyección cruceta / *Laser cross* / Lase en croix	
Base rotatoria graduada en sus 360° / *Rotatory base provides 360° angle reference points* / Base tournante graduée sur 360°	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fuente de alimentación / *Power supply* / Alimentation	2 x 1,5V AA DC
Autonomía / *Autonomy* / Autonomie	4 h cont.
Longitud de onda / *Laser wavelength* / Longueur d'onde	650 nm
Potencia del láser / *Output power* / Puissance du laser	< 1mW
Tipo de láser / *Laser class* / Type de laser	2
Precisión / *Accuracy* / Précision	0,5 mm/m
Distancia de trabajo / *Working distance* / Distance de travail	10 m
Sistema de aviso / *Warning system* / Systéme d'alerte	Luz parpadeante / *Flashing light* / Lumiére intermitante
Rango de autonivelación / *Self-leveling range* / Précision de l'autonivelage	± 3°
Temperatura de trabajo / *Working temperature* / Température de travail	0 °C - 40 °C
EQUIPADO CON / *EQUIPED WITH* / EQUIPE	
Maleta plástico / *Blow mould case* / Malette plastique	
Trípode aluminio 45-120 cm / *45-120 cm Aluminum tripod* / Tripode en Aluminum 45-120 cm	
Base / *Trestle* / Base	
Gafas / *Goggles* / Lunettes	



BUSCAPOLOS / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	L (mm)	mm	V	g		
66073	190	3 x 15	100-250 AC	30	12	●



BUSCAPOLOS DIGITAL / *DIGITAL VOLTAGE TESTER* / TESTEUR DIGITAL / *DIGITAL SPANNUNGSPRÜFER* / CERCAFASE DIGITALE / *BUSCA-POLOS DIGITAL* / ЦИФРОВОЙ МЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	L (mm)	mm	V	g		
66074	160	3 x 15	0-220 AC/DC	40	4	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
5 niveles de tensión / *5 voltage levels* / 5 niveaux de tension

TESTER ELECTRÓNICO MEDIDOR DE TENSION 2 EN 1 / *ELECTRONIC TESTER 2 IN 1* / TESTEUR ELECTRONIQUE A MESURE DE TENSION 2 EN 1 / *SPANNUNGSPRÜFER ELEKTRONIK, 2 IN 1* / TESTER ELECTRONICO 2 IN 1 / *MEDIDOR DE TENSÃO 2 EM 1* / ЭЛЕКТРОННЫЙ ТЕСТЕР 2 В 1

COD.	L (mm)	V	g		
66075	190	6-380 AC	220	4	●



BUSCAPOLOS CLASSIC / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	L (mm)	mm	mm	V	g		
66070	140	65	3	100-250 AC	20	12	●



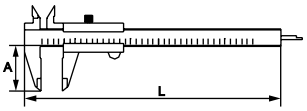
12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

COD.	L (mm)	mm	mm	V	g		
66071	190	100	4	100-250 AC	35	12	●
66069			3,5	90-480 AC	40		



INSTRUMENTOS DE MEDICIÓN DE PRECISIÓN / *PRECISION MEASURING INSTRUMENTS* / APPAREILS DE MESURE DE PRÉCISION / *PRÄZISIONSMESSGERÄTE* / STRUMENTI DI MISURA DI PRECISIONE / *FERRAMENTAS DE MEDIÇÃO DE PRECISÃO* / ПРИБОРЫ ДЛЯ ТОЧНЫХ ИЗМЕРЕНИЙ

CALIBRE PIE DE REY / *VERNIER CALIPER* / PIED À COULISSE / *TASCHENMESSSCHIEBER* / CALIBRI A CORSOIO / *PAQUIMETRO* / ШТАНГЕНЦИРКУЛЬ

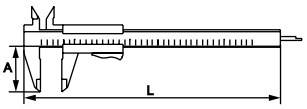


COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65479	150	0,02	6	0,001	40	235	280	1
65480	200		8		50	280	420	
65688	300		12		65	400	750	



INOX

CALIBRE PIE DE REY (BLOCAJE POR RESORTE) / *VERNIER CALIPER WITH THUMB BRAKE* / PIEDS À COULISSE / *WERKSTATTMESSSCHIEBER* / CALIBRI A CORSOIO (BLOCCAGGIO A MOLLA) / *PAQUIMETRO DE BLOCAGEM POR MOLA* / ШТАНГЕНЦИРКУЛЬ С ТОРМОЗОМ

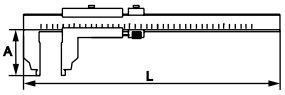


COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65481	150	0,02	6	0,001	40	235	280	1
65482	200		8		50	280	430	



INOX

CALIBRE PIE DE REY CON BOCAS LARGAS / *LONG TIP VERNIER CALIPER* / PIED À COULISSE GRANDES OUVERTURES / *TIEFENMESSSCHIEBER* / CALIBRI A CORSOIO A BOCCA LARGA / *PAQUIMETRO COM PONTAS COMPRIDAS* / ШАНГЕНЦИРКУЛЬ СДЛИННОЙ ШКАЛОЙ

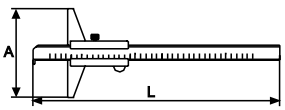


COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65483	200	0,02	8	0,001	65	350	920	1



INOX

CALIBRE PIE DE REY DE PROFUNDIDAD / *VERNIER DEEP GAUGE* / PIED À COULISSE DE PROFONDEUR / *NONIUS TIEFENLEHRE* / CALIBRO DI PROFONDITÀ / *PAQUÍMETRO DE PROFUNDIDADE* / ШТАНГЕНЦИРКУЛЬ ГЛУБИНОМЕР НЕРЖ

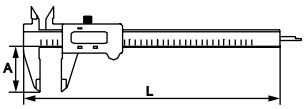


COD.	L (mm)	mm	L (inches)	A (mm)	L (mm)	g	
65652	300	0,02	12	100	400	750	1



INOX

CALIBRE DIGITAL / *DIGITAL CALIPER* / PIED À COULISSE DIGITAL / *DIGITAL-TASCHENMESSSCHIEBER* / CALIBRO DIGITALE / *PAQUIMETRO DIGITAL* / ШТАНГЕНЦИРКУЛЬ ЦИФРОВОЙ

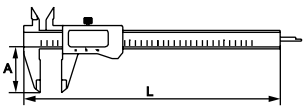


COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65484	150	0,01	6	0,0005	40	235	300	1
65485	200		8		50	280	400	



CE INOX

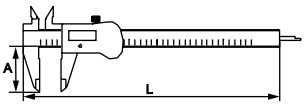
CALIBRE DIGITAL (CARCASA METÁLICA) / *METAL CASE DIGITAL CALIPER* / PIED À COULISSE DIGITAL MÉTALLIQUE / *TASCHENMESSSCHIEBER ROSTFREI* / CALIBRO DIGITALE CON CASSA METALLICA / *PAQUIMETRO DIGITAL COM CARCAÇA DE METAL* / ШТАНГЕНЦИРКУЛЬ ЦИФРОВОЙ С МЕТАЛЛИЧЕСКИМ КОРПУСОМ



COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65486	150	0,01	6	0,0005	40	235	340	1
65487	200		8		50	280	460	



CE INOX



COD.	IP	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65488	67	150	0,01	6	0,0005	40	235	430	1

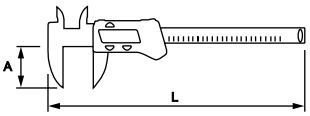


CE INOX

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Se puede usar con refrigerante, taladrina, agua y aceites de corte / *Able to be used with coolant, water and cutting oils and fluids* / On peut l´utiliser en presence de réfrigerants, huile soluble, d´eau et d´huile de coupe

CALIBRE DIGITAL LIGERO / *DIGITAL CALIPER* / PIED À COULISSE DIGITAL LÉGER / *DIGITAL TASCHENMESSSCHIEBER FIBREGLASS* / CALIBRO DIGITALE IN FIBRA DI VETRO / *PAQUIMETRO DIGITAL DE FIBRA DE VIDRO* / ШТАНГЕНЦИРКУЛЬ ЦИФРОВОЙ С ФИБЕРГЛАССОВЫМ КОРПУСОМ



COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65489	150	0,1	6	0,005	40	235	200	1

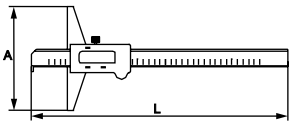


CE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de carbono reforzada / *Reinforced fiber carbon* / Fibre de carbone renforcée

CALIBRE DE PROFUNDIDAD DIGITAL / *DIGITAL DEPTH GAUGE* / PIED À COULISSE DE PROFONDEUR DIGITAL / *DIGITALE TIEFEANZEIGE* / CALIBRO DI PROFONDITÀ DIGITALE / *PAQUÍMETRO DIGITAL DE PROFUNDIDADE* / ЦИФРОВОЙ ГЛУБИНОМЕР

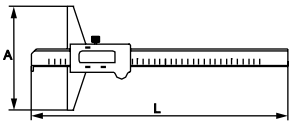


COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65657	150	0,01	6	0,0005	100	230	300	1

CE INOX



CALIBRE DE PROFUNDIDAD DIGITAL PARA RANURAS / *DIGITAL DEPTH GAUGE FOR GROOVES* / JAUGE DE PROFONDEUR DIGITAL POUR RAINURES / *DIGITALE TIEFENANZEIGE FÜR RILLEN* / CALIBRO DI PROFONDITÀ DIGITALE PER SCANALATURE / *PAQUÍMETRO DIGITAL DE PROFUNDIDADE PARA RANHURAS* / ГЛУБИНОМЕР ЦИФРОВОЙ ДЛЯ ОТВЕРСТИЙ И ПАЗОВ



COD.	L (mm)	mm	L (inches)	inches	A (mm)	L (mm)	g	
65491	200	0,01	8	0,0005	100	280	480	1

CE INOX



MICRÓMETRO PARA EXTERIORES / *OUTER MICROMETER* / MICROMÈTRE EXTÉRIEUR / *PRÄZISIONS-BÜGELMESSSCHRAUBEN* / MICROMETRI PER ESTERNI / *MICRÓMETRO PARA EXTERIORES* / МИКРОМЕТР НАРУЖНЫЙ

COD.	L (mm)	mm	g	
65492	0-25	0,01	420	1
65493	25-50		550	
65494	50-75		700	
65495	75-100		900	



MICRÓMETRO DIGITAL PARA EXTERIORES / *OUTER DIGITAL MICROMETER* / MICROMÈTRE DIGITAL EXTÉRIEUR / *PRÄZISIONS-BÜGELMESSSCHRAUBEN DIGITAL* / MICROMETRI DIGITALE PER ESTERNI / *MICRÓMETRO PARA EXTERIORES DIGITAL* / МИКРОМЕТР НАРУЖНЫЙ ЦИФРОВОЙ

COD.	L (mm)	mm	g	
65496	0-25	0,001	500	1
65497	25-50		600	
65498	50-75		750	
65499	75-100		950	

CE



MICRÓMETRO PARA INTERIORES / *INSIDE MICROMETERS* / MICROMÈTRE INTÉRIEUR / *INNEN-MIKROMETER* / MICROMETRI PER INTERNI / *MICRÓMETRO PARA INTERIORES* / ЭЛЕКТРОННЫЙ МИКРОМЕТРИ

COD.	L (mm)	mm	Kg	
65791	5-30	0,01	0,5	1
65792	25-50		0,6	
65793	50-75		0,7	
65794	75-100		0,8	



MICRÓMETRO DIGITAL PARA INTERIORES / *INSIDE DIGITAL MICROMETERS* / MICROMÈTRE DIGITAL INTÉRIEUR / *INNEN-MIKROMETER DIGITAL* / MICROMETRI DIGITALI PER INTERNI / *MICRÓMETRO DIGITAL PARA INTERIORES* / ЦИФРОВОЙ МИКРОМЕТР ДЛЯ ВНУТРЕННИХ ИЗМЕРЕНИЙ

COD.	L (mm)	mm	Kg	
65795	5-30	0,001	0,8	1
65796	25-50		1,0	
65797	50-75		1,1	
65798	75-100		1,2	



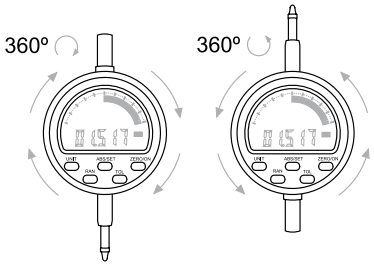
CE

RELOJ COMPARADOR / *DIAL INDICATOR* / MONTRE COMPARATIVE / *KLEINMESSUHR* / OROLOGIO DI COMPARAZIONE / *RELOGIO COMPARADOR* / ИНДИКАТОР

COD.	L (mm)	mm	g	
65501	0-10	0,01	340	1



RELOJ COMPARADOR DIGITAL / *DIGITAL INDICATOR* / MONTRE COMPARATIVE DIGITALE / *DIGITALE INDIKATOR* / OROLOGIO DI COMPARAZIONE DIGITALE / *RELOGIO COMPARADOR DIGITAL* / ЦИФРОВОЙ ИНДИКАТОР



COD.	L (mm)	mm	inches	g	
65502	0-12,5	0,001	0,0001	450	1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

El display puede girarse 360° para facilitar la lectura de las mediciones / *The display can be turned 360° to make the measurements reading easier* / Le display peut pivoter à 360° pour faciliter la lecture des mesures



SOPORTE CON BASE MAGNÉTICA / *MAGNETIC STAND* / SUPPORT À BASE MAGNÉTIQUE / *ARBEITSHILFE MAGNETFUSS* / SUPPORTO MAGNETICO / *SUPORTE COM BASE MAGNÉTICA* / СТОЙКА МАГНИТНАЯ

COD.	N				Kg
65789	588	Ø 10 x 150 mm	Ø 10 x 150 mm	58 x 50 x 55 mm	1,7



INSTRUMENTOS DE MEDICIÓN BLUETOOTH / *BLUETOOTH MEASURING INSTRUMENTS* / APPAREILS DE MESURE BLUETOOTH / *BLUETOOTH-MESSGERÄTE* / STRUMENTI DI MISURA BLUETOOTH / *FERRAMENTAS DE MEDIÇÃO BLUETOOTH* / ПРИБОРЫ ДЛЯ ИЗМЕРЕНИЯ С BLUETOOTH

CALIBRE DIGITAL BLUETOOTH / *BLUETOOTH DIGITAL CALIPER* / PIED À COULISSE DIGITAL BLUETOOH / *BLUETOOTH DIGITAL-TASCHENMESSSCHIEBER* / CALIBRO DIGITALE BLUETOOTH / *PAQUIMETRO DIGITAL BLUETOOTH* / ШТАНГЕНЦИРКУЛЬ ЦИФРОВОЙ BLUETOOTH

COD.	L (mm)	mm	L (inches)	inches	g	
66265	150	0,02	6	0,001	420	1



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Bluetooth	●
Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	●
Comunicación de datos a smartphone / *Data communication to smartphone* / Transmission de données à l'smartphone	●

MICROMETRO DIGITAL PARA EXTERIORES BLUETOOTH / *BLUETOOTH OUTER DIGITAL MICROMETER* / MICROMÈTRE DIGITAL EXTÉRIEUR BLUETOOTH / *PRÄZISIONS-BÜGELMESSSCHRAUBEN DIGITAL BLUETOOTH* / MICROMETRI DIGITALE PER ESTERNI BLUETOOTH / *MICRÓMETRO PARA EXTERIORES DIGITAL BLUETOOTH* / МИКРОМЕТР НАРУЖНЫЙ ЦИФРОВОЙ BLUETOOTH

COD.	L (mm)	mm	L (inches)	inches	g	
66266	25	0,003	1	0,0003	400	1



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Bluetooth	●
Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	●
Comunicación de datos a smartphone / *Data communication to smartphone* / Transmission de données à l'smartphone	●

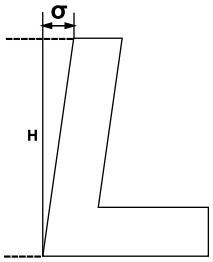
RELOJ COMPARADOR DIGITAL BLUETOOTH / *BLUETOOTH DIGITAL INDICATOR* / MONTRE COMPARATIVE DIGITALE BLUETOOTH / *BLUETOOTH DIGITALE INDIKATOR* / OROLOGIO DI COMPARAZIONE DIGITALE BLUETOOTH / *RELOGIO COMPARADOR DIGITAL BLUETOOTH* / ЦИФРОВОЙ ИНДИКАТОР BLUETOOTH

COD.	L (mm)	mm	inches	g	
66267	12,7	0,001	0,0001	300	1



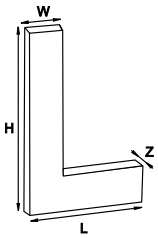
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Bluetooth	●
Comunicación de datos a smartphone / *Data communication to smartphone* / Transmission de données à l'smartphone	●
Comunicación de datos al ordenador / *Data communication to the computer* / Transmission de données à l'ordinateur	●
Software	●
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
El display puede girarse 360° para facilitar la lectura de las mediciones / *The display can be turned 360° to make the measurements reading easier* / Le display peut pivoter à 360° pour faciliter la lecture des mesures	

ESCUADRAS DE MEDICIÓN / *PRECISION SQUARES* / ÉQUERRES DE MESURE / *PRÄZISIONSQUADRATE* / SQUADRE DI MISURAZIONE / *ESQUADROS DE MEDIÇÃO* / УГОЛЬНИКИ ПОВЕРОЧНЫЕ



L (mm)	Class 00	Class 0	Class 1	Class 2	
	Desviación σ µm				
50	3	-	-	-	DIN 875
75		7	14	28	
100			15	30	
150	4		8	18	35
200			9	20	40
250	5		10	23	45
300			11	25	50
500	-		15	35	70

ESCUADRAS DE TRABAJO / *WORKSHOP SQUARES* / EQUERRES DE TRAVAIL / *WERKSTATTWINKEL* / SQUADRE SEMPLICI / *ESQUADROS DE TRABALHO* / УГОЛЬНИКИ ПОВЕРОЧНЫЕ



COD.	H x L (mm)	W x Z (mm)	g	
65674	75 x 50	15 x 5	75	1
65675	100 x 70	20 x 5	125	
65677	200 x 130	30 x 6	390	
65679	300 x 200	40 x 8	800	
65680	400 x 265	45 x 10	1850	
65681	500 x 330	50 x 10	2300	

DIN 875/1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero al carbono / *Carbon steel* / Acier en carbonne

COD.	H x L (mm)	W x Z (mm)	g	
65682	75 x 50	15 x 5	75	1
65683	100 x 70	20 x 5	125	
65685	200 x 130	30 x 6	390	
65686	250 x 165	35 x 7	650	
65687	300 x 200	40 x 8	800	

DIN 875/1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

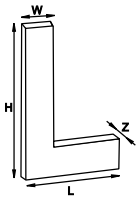
COD.	H x L (mm)	W x Z (mm)	g	
65713	50 x 40	12 x 5	35	1
65714	75 x 50	15 x 5	60	
65715	100 x 70	20 x 5	115	
65717	200 x 130	30 x 6	455	
65718	250 x 165	35 x 7	700	
65719	300 x 200	40 x 8	1050	

DIN 875/0

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable templado / *Hardened stainless steel* / Acier inoxydable trempé

ESCUADRAS DE TRABAJO BISELADAS / *BEVELED WORKSHOP SQUARE* / EQUERRE DE TRAVAIL BISEAUTÉES / *SCHNITTMACHERWINKEL* / SQUADRA DA LAVORO SMUSSATA / *ESQUADROS DE TRABALHO BISELADOS* / УГОЛЬНИК ПОВЕРОЧНЫЙ С ФАСКОЙ



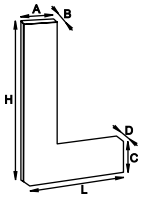
COD.	H x L (mm)	W x Z (mm)	g	
65739	50 x 40	14 x 4	30	
65740	75 x 50	16 x 4	48	
65741	100 x 70	20 x 5	105	1
65742	150 x 100	28 x 6	250	
65743	200 x 130	30 x 7	440	

DIN 875/00



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable templado / *Hardened stainless steel* / Acier inoxydable trempé



COD.	H x L (mm)	A x B (mm)	C x D (mm)	g	
65744	25 x 20	5 x 3,5	6 x 3,5	26	1
65745	40 x 24		8 x 3,5	36	

DIN 875/00

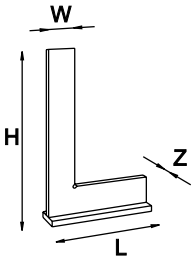


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable templado / *Hardened stainless steel* / Acier inoxydable trempé

BE SAFE...BE EFFICIENT

ESCUADRAS SOMBRERO / *WORKSHOP SQUARE WITH BASE* / EQUERRE À CHAPEAU / *WERKSTATTWINKEL* / SQUADRE A CAPPELLO / *ESQUADROS DE TRABALHO COM CEPO* / УГОЛЬНИК ПОВЕРОЧНЫЙ С ОСНОВАНИЕМ





COD.	H x L (mm)	W x Z (mm)	g	
65690	75 x 50	15 x 5	100	
65691	100 x 70	20 x 5	180	
65693	200 x 130	30 x 6	760	1
65695	300 x 200	40 x 8	1750	
65696	400 x 265	45 x 10	2300	
65697	500 x 330	50 x 10	2700	

DIN 875/1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero al carbono / *Carbon steel* / Acier en carbonne



COD.	H x L (mm)	W x Z (mm)	g	
65698	75 x 50	15 x 5	80	
65699	100 x 70	20 x 5	130	
65700	150 x 100	25 x 5	360	1
65701	200 x 130	30 x 6	750	
65702	250 x 165	35 x 7	1150	
65703	300 x 200	40 x 8	1750	

DIN 875/1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

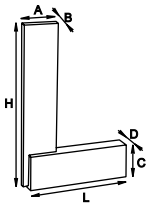
COD.	H x L (mm)	W x Z (mm)	g	
65727	50 x 40	12 x 5	35	
65728	75 x 50	15 x 5	60	
65729	100 x 70	20 x 5	115	
65730	150 x 100	25 x 5	220	1
65731	200 x 130	30 x 6	450	
65732	250 x 165	35 x 7	750	
65733	300 x 200	40 x 8	1050	

DIN 875/0

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable templado / *Hardened stainless steel* / Acier inoxydable trempé

ESCUADRA DE PRECISIÓN / *PRECISION SQUARE* / EQUERRE DE PRÉCISION / *PRÄZISIONSWINKEL* / SQUADRE DI PRECISIONE / *ESQUADRO DE PRECISÃO* / ПРЕЦЕЗИОННЫЕ УГОЛЬНИКИ



COD.	H x L (mm)	A x B (mm)	C x D (mm)	g	
65746	50 x 40	16 x 2	14 x 10	70	1
65747	75 x 50			80	
65748	100 x 70	20 x 3	18 x 10	130	
65749	150 x 100	25 x 3	24 x 14	220	
65750	200 x 130	30 x 4	28 x 16	390	

DIN 875/0



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero al carbono / *Carbon steel* / Acier en carbonne

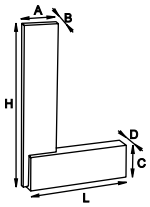
COD.	H x L (mm)	A x B (mm)	C x D (mm)	g	
65751	50 x 40	16 x 2	14 x 10	70	1
65752	75 x 50			80	
65753	100 x 70	20 x 3	18 x 10	130	
65755	200 x 130	30 x 4	28 x 16	390	

DIN 875/0

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable / *Stainless steel* / Acier inoxydable

ESCUADRA DE PRECISIÓN BISELADA / *BEVELED PRECISION SQUARE* / EQUERRE DE PRÉCISION BISEAUTÉE / *SCHNITTMACHERWINKEL* / SQUADRE DI PRECISIONE SMUSSATE / *ESQUADRO DE PRECISÃO BISELADO* / НАКЛОННЫЕ ПРЕЦЕЗИОННЫЕ УГОЛЬНИКИ



COD.	H x L (mm)	A x B (mm)	C x D (mm)	g	
65761	50 x 40	16 x 2	14 x 10	32	1
65762	75 x 50			50	
65763	100 x 70	20 x 3	18 x 12	105	
65765	200 x 130	30 x 4	28 x 16	450	

DIN 875/00



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero inoxidable templado / *Hardened stainless steel* / Acier inoxydable trempé

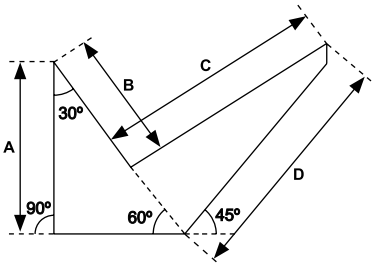
ESCUADRAS DE ACERO INOXIDABLE / *STAINLESS STEEL SQUARES* / EQUERRES EN ACIER INOX / *ROSTFREI WERKSTATWINKEL* / SQUADRA ACCIAO INOX / *ESQUADRO DE AÇO INOXIDÁVEL* / УГОЛЬНИКИ ПОВЕРОЧНЫЕ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ



COD.		Tipo / *Type* / Type	Dimensiones / *Dimensions* / Dimensions	g	
65799	45°	Lisa / *Straight* / Lisse	150 x 100	200	1
65800		Sombrero / *With base* / Á chapeau		290	
65801	60°	Lisa / *Straight* / Lisse		210	
65802		Sombrero / *With base* / Á chapeau		310	
65803	120°	Lisa / *Straight* / Lisse	75 x 75	100	
65804			100 x 100	185	
65805	135°			180	
65806			150 x 150		
65807		Sombrero / *With base* / Á chapeau	150 x 100	310	



ESCUADRA MULTIGRADOS DE SOMBRERO / *FLANGED DOUBLE-MITRE SQUARE* / EQUERRE MULTIGRADE Á CHAPEAU / *GEHRUNGSWINKEL* / SQUADRA A CAPPELLO DOPPIO METRO / *ESQUADRO MULTIGRAUS COM CEPO* / ДВУХКОНУСНЫЕ ПОВЕРОЧНЫЕ УГОЛЬНИКИ



COD.	A (mm)	B (mm)	C (mm)	D (mm)	g	
65809	90	70	105	120	280	1
65810	110	85	125	140	430	
65811	130	100	155	170	700	
65812	175	135	205	220	900	



ESCUADRA FALSA / *SLIDING BEVELS* / FAUSSE ÉQUERRE / *VERSTELLBARE WINKELMESSER* / SQUADRA FALSA / *SUTA* / УГЛОМЕР ПОВОРОТНЫЙ

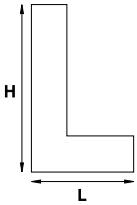
COD.	Hoja (mm) / *Blade (mm)* / Lame (mm)	Cuerpo / *Body* / Corp	g	
65768	250	Plástico / *Plastic* / Plastique	90	10



COD.	Hoja (mm) / *Blade (mm)* / Lame (mm)	Cuerpo / *Body* / Corp	g	
65770	250	Aluminio / *Aluminum* / Aluminium	260	10
65771	300		270	



ESCUADRA DE ALUMINIO / *ALUMINIUM SQUARE* / EQUERRE EN ALUMINIUM / *ALUMIUM WINKELHAKEN* / SQUADRA IN ALLUMINIO / *ESQUADRO DE ALUMÍNIO* / АЛЮМИНИЕВЫЙ УГОЛЬНИК



COD.	H x L (mm)	mm	g	
65813	200 x 135	0,1	150	5
65815	300 x 165		200	
65816	400 x 200		300	



EGA Master
ART IN INNOVATION

COMPASES / *DIVIDERS* / COMPAS / *ZIRKEL* / COMPASSI / *COMPASSOS* / РАЗДЕЛИТЕЛИ

COMPASES PLANOS / *DIVIDERS* / COMPAS PLAT / *ZIRKEL* / COMPASSI PIATTI / *COMPASSOS DE BICOS* / ИЗМЕРИТЕЛЬ ДВУНОЖНЫЙ

STANDARD

COD.	L (mm)	g	
65605	150	55	3
65606	200	90	
65608	300	160	
65610	500	490	
65612	800	1650	
65613	1000	2250	



COMPÁS DE 1/4 / *WING DIVIDER* / COMPAS DE 1/4 / *SPITZZIRKEL M. BOGEN* / COMPASSO DA 1/4 / *COMPASSOS DE 1/4* / ¼ ИЗМЕРИТЕЛЬ ДВУНОЖНЫЙ С НАПРАВЛЯЮЩЕЙ

COD.	L (mm)	g	
65614	150	160	6
65615	200	180	
65616		190	
65617	300	210	



COMPÁS DE 1/4 PORTALÁPICES / *WING DIVIDER PENCIL HOLDER* / COMPAS DE 1/4 Á CRAYON / *SPITZZIRKEL M. BOGEN U. STIFTHALTER* / COMPASSO DA 1/4 PORTAMATITE / *COMPASSOS DE 1/4 PORTA-LÁPIS* / ¼ ИЗМЕРИТЕЛЬ ДВУНОЖНЫЙ С НАПРАВЛЯЮЩЕЙ И ДЕРЖАТЕЛЕМ КАРАНДАША

COD.	L (mm)	g	
65618	150	160	6
65619	200	180	
65621	300	210	



COMPÁS DE INTERIORES / *INSIDE CALIPER* / COMPAS INTÉRIEUR / *LOCHZIRKEL* / COMPASSI PERE INTERNI / *COMPASSOS DE INTERIORES* / НУТРИМЕТР

COD.	L (mm)	g	
65622	150	60	3
65623	200	115	
65625	300	220	
65626	400	450	



COMPÁS DE EXTERIORES / *OUTSIDE CALIPER* / COMPAS EXTÉRIEUR / *GREIFZIRKEL* / COMPASSI PER ESTERNI / *COMPASSOS DE EXTERIORES* / НАРУЖНЫЙ ИЗМЕРИТЕЛЬ

COD.	L (mm)	g	
65627	150	85	3
65628	200	135	
65632	500	700	
65633	600	1350	
65634	800	2150	
65635	1000	3050	



COMPASES DE MUELLE / *SPRING DIVIDERS* / COMPAS POUR RESSORTS / *SCHRAUBENZIR-KEL* / COMPASSI A MOLLA / *COMPASSOS DE MOLA* / ИЗМЕРИТЕЛЬ ДВУНОЖНЫЙ ПОДПРУЖИНЕННЫЙ

STANDARD

COD.	L (mm)	g	
65636	100	70	6
65637	125	80	
65638	150	100	
65639	200	145	
65641	300	230	
65642	400	260	
65643	500	310	



COMPÁS DE PUNTAS INTERCAMBIABLES / *WITH REPLACEABLE NEEDLES* / COMPAS Á POINTES INTERCHANGEABLES / *MIT ERSATZ NADELN* / COMPASSI CON PUNTA INTERCAMBIABILE / *COMPASSOS DE PONTAS INTERMUTÁVEIS* / ИЗМЕРИТЕЛЬ ДВУНОЖНЫЙ ПОДПРУЖИНЕННЫЙ СО СМЕННЫМИ ИГЛАМИ

COD.	L (mm)	g		Punta / *Needle* / Pointe
65659	100	70	6	65667
65661	150	100		
65662	200	145		
65664	300	210		



COMPÁS DE INTERIORES / *INSIDE CALIPER* / COMPAS INTÉRIEUR / *LOCHZIRKEL* / COMPASSI PERE INTERNI / *COMPASSOS DE INTERIORES* / НУТРИМЕТР

COD.	L (mm)	g	
65644	100	55	6
65645	150	85	
65647	200	160	
65649	300	220	



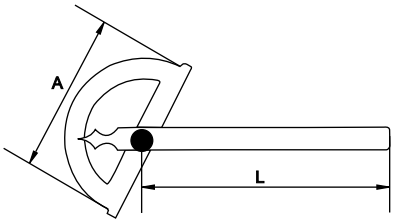
COMPÁS DE EXTERIORES / *OUTSIDE CALIPER* / COMPAS EXTÉRIEUR / *GREIFZIRKEL* / COMPASSI PER ESTERNI / *COMPASSOS DE EXTERIORES* / НАРУЖНЫЙ ИЗМЕРИТЕЛЬ

COD.	L (mm)	g	
65651	100	60	6
65653	150	80	
65654	200	150	
65656	300	220	
65658	500	370	



GONIÓMETRO / *PROTACTOR* / GONIOMÈTRE / *WINKELPRÜFLEHRE* / GONIOMETRO / *GONIÓMETRO* / ТРАНСПОРТИР

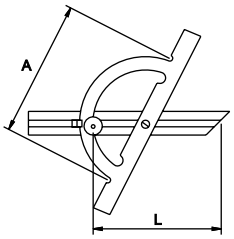
GONIÓMETRO DE ACERO INOXIDABLE / *STAINLESS STEEL PROTACTOR* / GONIOMÈTRE EN ACIER INOX / *WINKELPRÜFLEHRE ROSTFREI STAHL* / GONIOMETRO IN ACCIAIO INOX / *GONIÓMETRO DE AÇO INOXIDÁVEL* / ТРАНСПОРТИР ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ



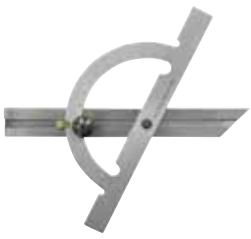
COD.	mm	A (mm)	L (mm)	Precisión / *Accuracy* / Précision	g	
65818		80	120		85	
65819		120	150		140	
65820	1	150	200	1°	270	1
65821		200	300		450	
65822		300	500		1700	



GONIÓMETRO CON HOJA DESLIZANTE / *PROTACTOR WITH MOVEABLE BLADE* / GONIOMÈTRE AVEC LAME AMOVIBLE / *WINKEPRÜFLEHRE MIT VERSTELLUNG* / GONIOMETRO CON LAME MOVIBILI / *GONIÓMETRO COM FOLHA DESLIZANTE* / ТРАНСПОРТИР С ПОДВИЖНОЙ ЛИНЕЙКОЙ



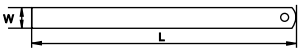
COD.	mm	A (mm)	L (mm)	Precisión / *Accuracy* / Précision	g	
65823		100	150		250	
65824	1	150	300	1°	360	1
65825		200	400		480	

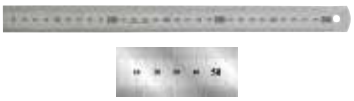


BE SAFE...BE EFFICIENT

REGLAS SEMI-FLEXIBLES DE ACERO INOXIDABLE / *STAINLESS STEEL SEMI-FLEXIBLE RULERS* / RÈGLES SEMI-FLEXIBLE EN ACIER INOX / *FLEXIBLES LINEAL AUS EDELSTAHL* / RIGA SEMIFLESSIBILE IN ACCIAIO INOX / *RÉGUA SEMI-FLÉXIVEL EM AÇO INOX* / ГИБКИЕ ЛИНЕЙКИ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

GRADUACIÓN EN MILÍMETROS / *MILIMETRIC GRADUATION* / GRADUATION EN MILLIMÈTRE / *MM -TEILUNGEN* / GRADUAZIONE IN MILLIMITRI / *GRADUAÇÃO EM MILIMETROS* / МЕТРИЧЕСКАЯ ШКАЛА

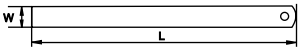


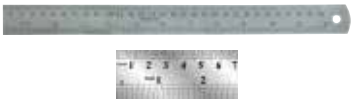


COD.	L x W (mm)	mm	g	
65772	150 x 18	0,8	10	6
65832	200 x 18		12	
65774	300 x 25	1,0	20	
65834	500 x 30	1,2	40	
65836	600 x 30		50	
65838	1000 x 32	1,5	100	
65840	1200 x 32	1,8	125	
65842	1500 x 38	1,5	150	
65844	2000 x 32	1,0	200	

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Resolución / *Resolution* / Résolution	1 mm

GRADUACIÓN EN MILÍMETROS Y PULGADAS / *GRADUATION IN MILIMETERS AND INCHES* / GRADUATION EN MM ET EN POUCE / *INCH UND MM TEILUNGEN* / GRADUAZIONE IN MM E IN POLLICI / *GRADUAÇÃO EM MILIMETROS E POLEGADAS* / МЕТРИЧЕСКАЯ И ДЮЙМОВАЯ ШКАЛА





COD.	L x W (mm)	mm	g	
65831	150 x 18	0,8	10	6
65773	200 x 18		12	
65833	300 x 25	1,0	20	
65835	500 x 30	1,2	40	
65837	600 x 30		50	
65839	1000 x 32	1,5	100	
65841	1200 x 32		125	
65843	1500 x 32	1,0	150	
65845	2000 x 38	1,8	200	

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Resolución / *Resolution* / Résolution	1 mm

REGLAS DE MADERA / *WOODEN RULER* / RÈGLES EN BOIS / *GLIEDERMASSSTÄBE* / RIGA IN LEGNO / *RÉGUAS DE MADEIRA* / ДЕРЕВЯННАЯ ЛИНЕЙКА



COD.	mm	L (m)	Color / *Colour* / Couleur	g	
65826	1/10	2	Natural / *Natural* / Naturel	150	6
65827			Blanco / *White* / Blanc		
65828			Amarillo / *Yellow* / Jaune		
65829			Blanco-Amarillo / *White-Yellow* / Blanc-jaune		

GALGAS / *GAUGES* / JAUGES / *FÜHLERLEHRE* / GALGAS / *GALGAS* / ЩУПЫ

GALGAS DE ESPESORES / *FEELER GAUGE* / JAUGES D'EPAISSEUR / *FÜHLERLEHREFÄCHER* / GALGAS DE ESPESORES / *APALPA-FOLGAS* / НАБОР ЩУПОВ В КОРПУСЕ

MM / INCH



COD.	N.º Hojas / *No. Blades* / Nro. Lames	Rango (mm) / *Range (mm)* / Rang (mm)	Rango (inch) / *Range (inch)* / Rang (inch)	L (mm)	g	
65550	8	0,05-0,1-0,15-0,2-0,25-0,3-0,4-0,5	0,002"-0,004"-0,006"-0,008"-0,010"-0,012"-0,016"-0,020"	150	80	6
65552	20	0,05-0,1-0,15-0,2-0,25-0,3-0,35-0,4-0,45-0,5-0,55-0,6-0,65-0,7-0,75-0,8-0,85-0,9-0,95-1,00	0,002"-0,004"- 0,006"-0,008"-0,010"-0,012"-0,014"-0,016"-0,018"-0,020"-0,022"-0,024"-0,026"-0,028"-0,030"-0,032"-0,034"-0,036"-0,038"-0,040"		125	
65553	8	0,05-0,1-0,15-0,2-0,25-0,3-0,4-0,5	0,002"-0,004"-0,006"-0,008"-0,010"-0,012"-0,016"-0,020"	200	70	
65554	13	0,05-0,1-0,15-0,2-0,25-0,3-0,4-0,5-0,6-0,7-0,8-0,9-1,00	0,002"-0,004"-0,006"-0,008"-0,010"-0,012"-0,016"-0,020"-0,024"-0,028"-0,032"-0,036"-0,04"		90	
65555	20	0,05-0,1-0,15-0,2-0,25-0,3-0,35-0,4-0,45-0,5-0,55-0,6-0,65-0,7-0,75-0,8-0,85-0,9-0,95-1,00	0,002"-0,004"-0,006"-0,008"-0,010"-0,012"-0,014"-0,016"-0,018"- 0,020"-0,022"-0,024"-0,026"-0,028"-0,030"-0,032"-0,034"-0,036"-0,038"-0,040"		155	
65556	8	0,05-0,1-0,15-0,2-0,25-0,3-0,4-0,5	0,002"-0,004"-0,006"-0,008"-0,010"-0,012"-0,016"-0,020"	300	100	
65557	13	0,05-0,1-0,15-0,2-0,25-0,3-0,4-0,5-0,6-0,7-0,8-0,9-1,00	0,002"-0,004"-0,006"-0,008"-0,010"-0,012"-0,016"-0,020"-0,024"-0,028"-0,032"-0,036"-0,04"		175	
65558	20	0,05-0,1-0,15-0,2-0,25-0,3-0,35-0,4-0,45-0,5-0,55-0,6-0,65-0,7-0,75-0,8-0,85-0,9-0,95-1,00	0,002"-0,004"-0,006"-0,008"-0,010"-0,012"-0,014"-0,016"-0,018"-0,020"-0,022"-0,024"-0,026"-0,028"-0,030"-0,032"-0,034"-0,036"-0,038"-0,040"		300	

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci

GALGAS DE ESPESORES DE PRECISIÓN / *PRECISION FEELER GAUGE* / JAUGES D'ÉPAISSEUR DE PRÉCISION / *PRÄZISION FÜHLERLEHREFÄCHER* / SPESSIMETRI DI PRECISIONE / *APALPA FOLGAS DE PRECISÃO* / СВЕРХТОЧНЫЕ ЩУПЫ В КОРПУСЕ

MM / INCH



COD.	N.º Hojas / *No. Blades* / Nro. Lames	Rango (mm) / *Range (mm)* / Rang (mm)	Rango (inch) / *Range (inch)* / Rang (inch)	L (mm)	g	
65559	8	0,03-0,04-0,05-0,06-0,07-0,08-0,09-0,1	0,0012"-0,0016"-0,002"-0,0024"-0,0028"-0,0032"-0,0036"-0,004"	100	20	6
65560		0,05-0,1-0,15-0,2-0,25-0,3-0,4-0,5	0,002"-0,004"-0,006"-0,008"-0,010"-0,012"-0,016"-0,02"			
65562	10	0,1-0,2-0,3-0,4-0,5-0,6-0,7-0,8-0,9-1,00	0,004"-0,008"-0,012"-0,016"-0,02"-0,024"-0,028"-0,032"-0,036"-0,04"		30	
65565	18	0,05-0,06-0,07-0,08-0,09-0,1-0,15-0,2-0,25-0,3-0,35-0,4-0,5-0,6-0,7-0,8-0,9-1,0	0,002"-0,0024"-0,0028"-0,0032"-0,0036"-0,004"-0,006"-0,008"-0,010"-0,012"-0,014"-0,016"-0,02"-0,024"-0,028"-0,032"-0,036"-0,04"		80	
65568	21	0,10-0,12-0,14-0,16-0,18-0,2-0,22-0,24-0,26-0,28-0,3-0,32-0,34-0,36-0,38-0,4-0,42-0,44-0,46-0,48-0,5	0,004"-0,0048"-0,0056"-0,0064"-0,0072"-0,0080"-0,0088"-0,0096"-0,0104"-0,0112"-0,0120"-0,0128"-0,0136"-0,0144"-0,0152"-0,0160"-0,0168"-0,0176"-0,0184"-0,0192"-0,02"		100	
65569		0,05-0,1-0,2-0,3-0,4-0,5-0,6-0,7-0,8-0,9-1,00-1,1-1,2-1,3-1,4-1,5-1,6-1,7-1,8-1,9-2,00	0,002"-0,004"-0,008"-0,012"-0,016"-0,02"-0,024"-0,028"-0,032"-0,036"-0,040"-0,044"-0,048"-0,052"-0,056"-0,060"-0,064"-0,068"-0,072"-0,076"-0,080"			
65570	32	0,03-0,04-0,05-0,06-0,07-0,075-0,08-0,09-0,1-0,12-0,15-0,18-0,2-0,22-0,25-0,28-0,3-0,32-0,35-0,4-0,45-0,5-0,55-0,6-0,65-0,7-0,75-0,8-0,85-0,9-0,95-1,00	0,0012"-0,0016"-0,002"-0,0024"-0,0028"-0,0032"-0,0036"-0,004"-0,0048"-0,006"-0,0072"-0,008"-0,0088"-0,010"-0,0112"-0,0120"-0,0128"-0,014"-0,0152"-0,016"-0,018"-0,02"-0,022"-0,024"-0,026"-0,028"-0,030"-0,032"-0,034"-0,036"-0,038"-0,040"		210	

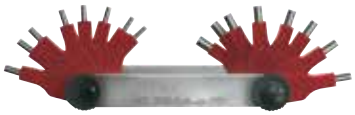
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci

Con tuerca de bloqueo / *With lock nut* / Avec écrou auto bloquant

GALGAS PARA TOBERAS / *NOZZLE GAUGES* / JAUGES DE TUYERE / *DÜSENLEHRE* / GALGAS PARA TOBERAS / *GALGA PARA DIAMETROS INTERIORES* / ЩУПЫ ДЛЯ ФОРСУНОК

COD.	N.º Hojas / *No. Blades* / Nro. Lames	Rango (mm) / *Range (mm)* / Rang (mm)	g	
65776	20	0,45-0,50-0,55-0,60-0,65-0,70-0,75-0,80-0,85-0,90-0,95-1,00-1,05-1,10-1,15-1,20-1,25-1,30-1,40-1,50	20	6
65777	16	1,50-1,60-1,70-1,80-1,90-2,00-2,10-2,20-2,30-2,40-2,50-2,60-2,70-2,80-2,90-3,00		
65778		3,00-3,10-3,20-3,30-3,40-3,50-3,60-3,70-3,80-3,90-4,0-4,10-4,20-4,30-4,40-4,50		
65779		4,50-4,60-4,70-4,80-4,90-5,00-5,10-5,20-5,30-5,40-5,50-5,60-5,70-5,80-5,90-6,00		



GALGAS PARA RADIOS / *RADIUS GAUGES* / JAUGES POUR RADIOS / *RADIENSCHABLONEN* / GALGAS PARA RADIOS / *MEDIDOR DE RAIOS* / ЩУПЫ ДЛЯ РАДИУСОВ

MM

COD.	N.º Hojas / *No. Blades* / Nro. Lames	Rango (mm) / *Range (mm)* / Rang (mm)	g	
65578	17	1-1,25-1,5-1,75-2-2,25-2,5-2,75-3-3,5-4-4,5-5-5,5-6-6,5-7	65	6
65579	16	7,5-8-8,5-9-9,5-10-10,5-11-11,5-12-12,5-13-13,5-14-14,5-15	100	
65580	15	15,5-16-16,5-17-17,5-18-18,5-19-19,5-20-21-22-23-24-25	110	

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci



INCH

COD.	N.º Hojas / *No. Blades* / Nro. Lames	Rango (inch) / *Range (inch)* / Rang (inch)	g	
65581	15	1/32"-3/64"-1/16"-5/64"-3/32"-7/64"-1/8"-9/64"-5/32"-11/64"-3/16"-13/64"-7/32"-16/64"-1/4"	110	6
65582	16	17/64"-9/32"-19/64"-5/16"-21/64"-11/32"-23/64"-3/8"-26/64"-13/32"-27/64"-7/16"-29/64"-15/32"-31/64"-1/2"	100	
65583		17/32"-9/16"-19/32"-5/8"-21/32"-11/16"-23/32"-3/4"-25/32"-13/16"-27/32"-7/8"-29/32"-15/16"-31/32"-1"		

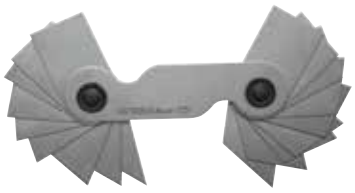
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci

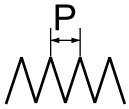


GALGAS PARA ÁNGULOS / *ANGLE GAUGES* / JAUGE D'ANGLE / *WINKELMESSER* / GALGAS PARA ANGULOS / *MEDIDOR DE ÂNGULOS* / УГЛОВЫЕ ЩУПЫ

COD.	N.º Hojas / *No. Blades* / Nro. Lames	Rango / *Range* / Plage	g	
65584	20	1°-2°-3°-4°-5°-6°-7°-8°-9°-10°-12°-14°-16°-18°-20°-25°-30°-35°-40°-45°	110	6

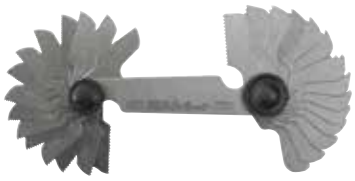


GALGAS PARA ROSCAS / *THREAD PITCH GAUGES* / JAUGE POUR FILETAGE / *GEWINDESCHABLONEN* / GALGAS PARA ROSCAS / *CONTA FIOS DE ROSCA* / ИЗМЕРИТЕЛИ РЕЗЬБЫ



MÉTRICA (ISO) 60º & WHITWORTH 55º

COD.	N.º Hojas / *No. Blades* / Nro. Lames	P (mm)	g	
65571	24	0,25-0,30-0,35-0,40-0,45-0,5-0,6-0,7-0,75-0,8-0,9-1,0-1,25-1,5-1,75-2,0-2,5-3,0-3,5-4,0-4,5-5,0-5,5-6,0	40	6



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Tipo de rosca / *Screwtype* / Type de filetage	Métrica 60° / *Metric 60°* / Métrique 60°

COD.	N.º Hojas / *No. Blades* / Nro. Lames	TPI	g	
65572	28	4-4,1/2-5-6-7-8-9-10-11-12-13-14-16-18-19-20-22-24-25-26-28-30-32-36-40-48-60-62	42	6
65574	30	4,0-4,5-5,0-5,5-6,0-7,0-8,0-9,0-10-11-11,5-12-13-14-15-16-18-20-22-24-26-27-28-30-32-34-36-38-40-42	50	
65575		6,0-7,0-8,0-9,0-10-11-11,5-12-13-14-15-16-18-20-22-24-26-27-28-30-32-34-36-38-40-42-44-46-48-50-56-60		

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Tipo de rosca / *Screwtype* / Type de filetage	Whitworth 55°

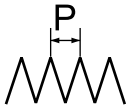
COD.	N.º Hojas / *No. Blades* / Nro. Lames	P (mm)	TPI	g	
65561	52	0,25 - 0,30 - 0,35 - 0,40 - 0,45 - 0,5 - 0,6 - 0,7 - 0,75 - 0,8 - 0,9 - 1,0 - 1,25 - 1,5 - 1,75 - 2,0 - 2,5 - 3,0 - 3,5 - 4,0 - 4,5 - 5,0 - 5,5 - 6,0	4 - 4,1/2 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 16 - 18 - 19 - 20 - 22 - 24 - 25 - 26 - 28 - 30 - 32 - 36 - 40 - 48 - 60 - 62	100	6

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Acero templado / *Hardened steel* / Acier endurci

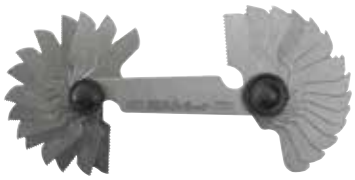
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Tipo de rosca / *Screwtype* / Type de filetage	Métrica 60° / Whitworth 55° / *Metric 60° / Whitworth 55°* / Métrique 60° / Whitworth 55°



ACME (DIN) 29º & ACME 30º

COD.	N.º Hojas / *No. Blades* / Nro. Lames	P (mm)	g	
65576	12	2-3-4-5-6-7-8-9-10-12-16-20	250	6



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Acero templado / *Hardened steel* / Acier endurci
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES
Tipo de rosca / *Screwtype* / Type de filetage — ACME 30°

COD.	N.º Hojas / *No. Blades* / Nro. Lames	TPI	g	
65577	16	1-1,1/3-1,1/2-1,3/4-2-2,1/2-3-3,1/2-4-5-6-7-8-9-10-12	30	6

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Acero templado / *Hardened steel* / Acier endurci
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES
Tipo de rosca / *Screwtype* / Type de filetage — ACME (DIN) 29°

AGUJAS DE TRAZAR / *SCRIBER* / POINTE À TRACER / *REISSNADEL* / PUNTA PER TRACCIARE / *RISCADORES DE TRAÇAR* / ШТИХЕЛЬ

COD.	L (mm)		Kg	
65602	175	Moleteado / *Knurled* / Moletée	10	6



COD.	L (mm)		Kg	
65603	250	Moleteado / *Knurled* / Moletée	15	6



COD.	L (mm)		Kg	
65604	230	Moleteado / *Knurled* / Moletée	20	6



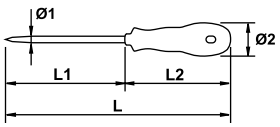
AGUJA DE TRAZAR DE BOLSILLO / *POCKET SCRIBER* / POINTE À TRACER DE POCHE / *TASCHEN-REISSNADEL* / PUNTA PER TRACCIARE TASCABILE / *RISCADORES DE TRAÇAR DE BOLSO* / КАРМАННЫЙ ШТИХЕЛЬ

COD.	L (mm)	mm	g	
65767	150	6,0	6,0	6



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Punta de carburo de tungsteno / *Tungsten carbide point* / Pointe de carbure de tungstène

PUNZÓN / *AWL* / POINÇON / *AHLE* / PUNZONE / *PUNÇÃO* / ШИЛО



COD.	Ø 1 (mm)	L1 (mm)	L2 (mm)	L (mm)	Ø 2 (mm)	g	
65783	6	145	115	260	36	100	6



SET DE MEDICIÓN / *MEASUREMENT SET* / SET DE MESURE / *MASSSATZ* / ASSORTIMENTO DI MISURA / *CONJUNTO DE MEDIÇÃO* / НАБОР ИЗМЕРИТЕЛЬНЫЙ



COD.	PCS.	g
65782	4	550

COD. PCS.	Descripción / *Description* / Description	
65605	Compás plano / *Divider*	150 mm
65675	Escuadra / *Square*	100 x 70, DIN 875/1
65603	Aguja de trazar / *Scriber*	250 mm
65772	Regla flexible inoxidable / *Flexible stainless steel ruler*	150 mm



RECOGEDORES TELESCÓPICOS / *TELESCOPIC JOINT PICK UP* / DOIGT MAGNETIQUE TELESCOPIQUE / *TELESKOP MAGNETHEBER* / TELESCOPIO PRENSILE / *RECOLHEDORES TELESCÓPICOS* / ТЕЛЕСКОПИЧЕСКИЙ МАГНИТ

ARTICULADO / *JOINT* / ARTICULE / *HANDMAGNETHEBER* / SNODATO / *ARTICULADO* / СОЕДИНЕНИЕ

COD.	Max. L (mm)	CAP. (kg)		
65588	510	0,45	Plástico / *Plastic* / Plastique	20



COD.	Max. L (mm)	CAP. (kg)		
65589	658	2,25	Plástico / *Plastic* / Plastique	20



COD.	Max. L (mm)	CAP. (kg)		
65590	475	0,45	Pen clip	20



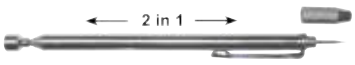
CON CLIP DE BOLSILLO / *POCKET CLIP* / DE POCHE À CLIPS / *ANSTECKCLIP* / CON CLIP TASCABILE / *COM CLIP DE BOLSO* / КАРМАННЫЙ

COD.	O.D. mm	Max. L (mm)	CAP. (kg)		
65596	7	635	0,63		
65597	9	535	0,85		
65598		610	1,2	Negro / *Black* / Noir	6
65599	10	615	2,6		
65600			3,1		



RECOGEDOR TELESCÓPICO Y AGUJA DE DIBUJAR (2 IN 1) / *TELESCOPIC JOINT PICK UP AND POCKET SCRIBER (2 IN 1)* / DOIGT MAGNETIQUE TELESCOPIQUE A TRACER / *TELESKOP MAGNETHEBER UND REISSNADEL, TASCHMODELL(2 IN 1)* / PRENSILE TELESCOPICO E PUNTA PER TRACCIARA DUE IN UNO / *RECOLHEDOR TELESCÓPICO E RISCADOR DE TRAÇAR (2 EM 1)* / КАРМАННЫЕ ТЕЛЕСКОПИЧЕСКИЙ МАГНИТ И ШТИХЕЛЬ (2 В 1)

COD.	O.D. mm	Max. L (mm)	CAP. (kg)	
65601	7	650	0,45	6



RECOGEDOR DE GARRAS FLEXIBLE (CON IMÁN Y LED) / *FLEXIBLE CLAW PICK UP TOOL (MAGNETIC + LED)* / DOIGT MAGNÉTIQUE-FLEXIBLE À GRIFES (AVEC AIMANT ET DIODE LUMINEUSE) / *FLEXIBLE CLAW-AUFNAHMEWERKZEUG (MAGNETIC + LED)* / RACCOGLITORE CON ARTIGLI FLESSIBILE (CON MAGNETE E LED) / *RECOLHEDOR DE GARRAS FLÉXIVEL (COM IMÁN E LED)* / ЗАХВАТ МАГНИТНЫЙ С LED-ПОДСВЕТКОЙ

COD.	L (inch)	CAP. (kg)		
58915	24	1	PP-TPR / *PP-TPR*	1



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Luminosidad del led / *Led brightness* / Luminosité du led	10500 MCD

ESPEJOS DE INSPECCIÓN TELESCÓPICA ARTICULADOS / *TELESCOPIC JOINT INSPECTION MIRROR* / MIROIR D'INSPECTION TELESCOPIQUE / *TELESKOPISCHE SUCHSPIEGEL* / TELESCOPIO SNODATO PER ISPEZIONI A SPECCHIO / *ESPELHOS DE INSPECÇÃO TELESCÓPICOS ARTICULADOS* / ТЕЛЕСКОПИЧЕСКОЕ ПОВОРОТНОЕ ЗЕРКАЛО

COD.	L (mm)			g	
65585	550	3,5 x 2"	Plástico / *Plastic* / Plastique	45	6



COD.	L (mm)			g	
65586	660	Ø 2"	Plástico / *Plastic* / Plastique	65	6

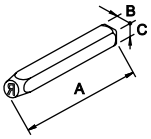


COD.	L (mm)			g	
65587	502	Ø 1,25"	Pen clip	55	6



JUEGOS DE GOLPE / *PUNCHES* / JEUX DE CLÉS À CHOC / *DURCHSCHLÄGE* / PUNZONI / *JOGOS DE PANCADA* / МЕТЧИКИ

LETRAS / *LETTERS* / LETTRES / *BUCHSTABEN* / LETTERE / *LETRAS* / БУКВЫ

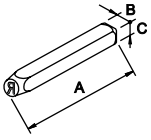


COD.	Altura (mm) / *Height (mm)* / Hauteur (mm)	A (mm)	B (mm)	C (mm)	g
65847	2	60	6	6	650
65849	4				680
65851	6	65	8	8	1100

DIN 1451



NÚMEROS / *NUMBERS* / CHIFFRES / *NUMMER* / NUMERI / *NÚMEROS* / ЦИФРЫ



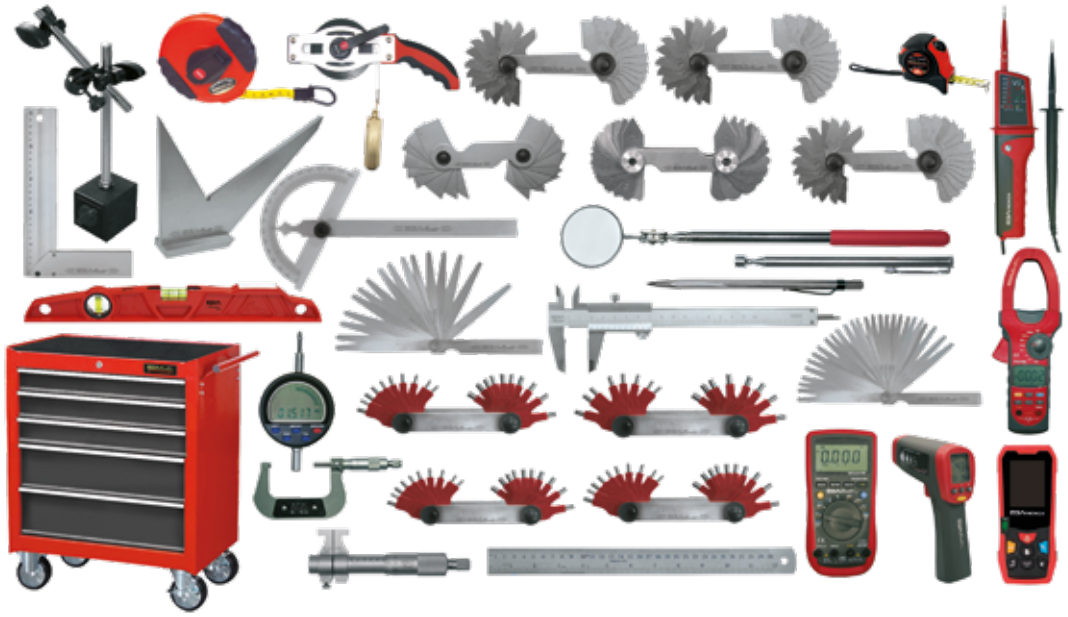
COD.	Altura (mm) / *Height (mm)* / Hauteur (mm)	A (mm)	B (mm)	C (mm)	g
65852	2	60	6	6	210
65854	4				230
65856	6	65	8	8	400

DIN 1451



JUEGO MEDICIÓN / *MEASURING SET* / JEU DE MESURE / *MESSUNG SATZ* / SET DI MISURAZIONE / *JOGO DE MEDIÇÃO* / НАБОР МЕРИТЕЛЬНЫХ ИНСТРУМЕНТОВ

33 PCS.



COD.	PCS.			Kg
55812	33	51674	●	51

PCS.	COD. PCS.	Descripción / *Description* / Description	
	65359	Flexómetro Robust / *Robust Measuring tape*	8 m/26" x 30 mm mm/inch
	65180	Cinta de fibra de vidrio / *Fiber glass tape*	30 m x 13 mm
	65182	Sonda tipo pistola cinta negra / *Tank dipping tape black tape*	10 m x 13 mm
	65293	Nivel trapezoidal profesional / *Professional bridge type spirit level*	400 mm
	51257	Tester voltaje multifunción / *Voltage multifunction Tester*	0-690 V AC/DC
	65688	Calibre Pie de Rey inox / *Inox Vernier Caliper*	300 mm mm/inch
	65493	Micrómetro para exteriores / *Outer micrometer*	25-50 mm
	65792	Micrómetro para interiores / *Inside micrometer*	
	65502	Reloj comparador digital / *Digital indicator*	0-12,5 mm
	65789	Soporte con base magnética / *Magnetic stand*	-
	65813	Escuadra de aluminio / *Aluminum square*	200 x 135 mm
	65810	Escuadra multigrados de sombrero / *Flanged double-mitre square*	125 mm
	65618	Compás de 1/4 portalápices / *Wing divider pencil holder*	150 mm
	65819	Goniómetro en acero inoxidable / *Stainless steel protactor*	120 x 150 mm
	65833	Regla inox métrica y pulgadas / *Inox ruler in milimeters and inches*	300 x 25 x 1,0 mm
	65569	Galgas de espesores de precisión / *Precision feeler gauger*	0,05-2,0 mm
1	65570		0,03-1,0 mm
	65776	Galgas para toberas / *Nozzle gauges*	0,45-1,5 mm
	65777		1,5-3,0 mm
	65778		3,0-4,5 mm
	65779		4,5-6,0 mm
	65580	Galgas para radios / *Radius gauges*	15,5-25 mm
	65584	Galgas para ángulos / *Angle gauges*	20 hojas 1°- 45°
	65561	Galgas para roscas / *Thread pitch gauges*	0,25-6,00/4-62 TPI
	65576		2-20 mm
	65577		1-12 TPI
	65767	Aguja de trazar de bolsillo / *Pocket scriber*	150 mm
	65595	Recogedor telescópico / *Telescopic joing pick up*	CAP 4,53 kg
	65586	Espejo telescópico articulado / *Articulated telescopic mirror*	10 x 650 mm
	51248	Pinza amperimétrica / *Clamp Meter*	40a-1000a DC / 40a-1000a AC
	51260	Multímetro automoción / *Automotive digital multimeter*	400µa-10a AC / 400µa-10a DC
	51261	Termómetro infrarrojos / *Infrared digital thermometer*	-32 °C-550 °C
	65424	Medidor de distancias laser / *Laser distance detector*	-

PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

ADNOC - PETRÓLEO Y GAS / ADNOC - OIL&GAS / ADNOC - PÉTROLE ET GAZ

ABU DHABI NATIONAL OIL COMPANY

EMIRATOS ÁRABES UNIDOS / UNITED ARAB EMIRATES / ÉMIRATS ARABES UNIS







29

ILUMINACIÓN
LIGHTING
ÉCLAIRAGE
BELEUCHTUNG
ILLUMINAZIONE
ILUMINAÇÃO
ОСВЕЩЕНИЕ





EGALUX

La gama de iluminación **EGAlux** proporciona un nivel de luminosidad adecuado al espacio a iluminar para favorecer la tarea a desempeñar y la calidad de trabajo, evitando la fatiga visual en los ojos y las alteraciones en el sistema nervioso, aumentando las condiciones de seguridad y salud laboral.

La iluminación proporcionada por la gama **EGAlux** posee las siguientes características:

- Suficiente y necesaria para cada trabajo.
- Constante y uniformemente distribuida.

Además, para un correcto uso los focos luminosos deben estar colocados de manera que no deslumbren ni produzcan fatiga en la vista.

Por ello, **EGA Master** incorpora en todos sus modelos **EGAlux** la tecnología de diodos emisores de luz de alto rendimiento, comúnmente denominados leds, debido a su menor consumo y larga durabilidad. Son dispositivos muy ventajosos y la opción más profesional en iluminación.

La gama mas completa de linternas **EGAlux** se compone de:

__EGAlux__ lighting range provides the perfect luminosity at the job site. It is designed to avoid the visual fatigue and alterations in the nervous system, improving health and safety conditions.

The illumination provided by __EGAlux__ range includes the following specifications:

- *Enough and necessary light for each job.*
- *Constant and uniform.*

The flashlights should be placed correctly to avoid glare or visual fatigue.

__EGA Master__ incorporates the high perfomance light-emitting diode technology in all __EGAlux__ models, commonly called leds, due to their low consumption and high operating life.

The most complete range of lamps **EGAlux** *is composed by:*

La gamme d'éclairage **EGAlux** offre un niveau de luminosité idéal pour des espaces à illuminer afin de favoriser la qualité de travail à réaliser, tout en évitant la fatigue visuelle et les altérations du système nerveux, ainsi en augmentant les conditions de sécurité et la santé au travail.

L'éclairage produit par la gamme **EGAlux** a les caractéristiques suivantes:

- Suffisant et nécessaire pour tout type de travail.
- Diffusion constante et uniforme.

Outre, pour obtenir un usage correct, les faisceaux lumineux doivent être positionnés de façon à ne pas éblouir ni fatiguer la vision.

Pour cette raison, **EGA Master** intègre dans tous les modèles **EGAlux**, la technologie de diodes émettrices de lumière de haut rendement, communément nommées LEDS, dû á une basse consommation et une longue viabilité. Ces derniers sont des dispositifs avantageux étant l'option la plus professionnelle dans le secteur d'éclairage.

La gamme la plus complète des lampes **EGAlux** se compose de:

1
Táctiles
Tactiles
Tactiles



2
Frontales
Frontals
Frontales



3
Para inspección
For inspection
Pour inspection



4
Foco
Hand lamp
Projecteur



5
De bolsillo
Pocket
De poche



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EGALUX

LINTERNA TÁCTIL / *TACTILE FLASHLIGHT* / LAMPE TACTILE / *TASCHENLAMPE* / TORCIA ALTA LUMINOSITA' / *LANTERNA TÁCTIL* / ФОНАРИК

COD.	LED	LUMENS	L (mm)	g
58643	CREE XHG + 10 SAMSUNG	60/130	300	310



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	2,5-5
Ø Bisel (mm) / *Bezel Ø (mm)* / Ø Biseau (mm)	45
Pilas / *Batteries* / Piles	3AA (No incluidas) / *3AA (Not included)* / 3AA (Non incluses)
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Distancia de haz (m) / *Beam distance (m)* / Distance du faisceau (m)	12/85
Estanqueidad / *Waterproof* / Étanchement	IPX4
Carcasa / *Housing* / Carcasse	Aluminio / *Aluminum* / Aluminium

COD.	LED	LUMENS	L (mm)	g
58647	COB + SMD	230	185	220



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	3
Ø Bisel (mm) / *Bezel Ø (mm)* / Ø Biseau (mm)	45
Batería / *Battery* / Batterie	Litio, 2400 mAh / *Lithium, 2400 mAh* / Lithium, 2400 mAh
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Carcasa / *Housing* / Carcasse	ABS
Cargador / *Charger* / Chargeur	100-240 V/ 50-60 Hz / 12 V



LINTERNA FRONTAL / *HEAD LIGHT* / LAMPE FRONTALE / *KOPFLAMPE* / TORCIA FRONTALE / *LANTERNA FRONTAL* / НАЛОБНЫЙ ФОНАРЬ

COD.	LED	LUMENS	g
58640	COB	115-210	44



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	3-7
Pilas / *Batteries* / Piles	3AAA (No incluidas) / *3AAA (Not included)* / 3AAA (Non incluses)
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Luminosidad del led / *Led brightness* / Luminosité du led	210.000 MCD
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Distancia de haz (m) / *Beam distance (m)* / Distance du faisceau (m)	24
Carcasa / *Housing* / Carcasse	ABS
Posiciones de iluminación / *Lighting positions* / Positions d'illumination	Baja potencia, alta potencia, luz roja y luz roja intermitente / *Low power, high power, red light and intermitent red light* / Puissance faible, haute puissance, lumière rouge et lumière rouge clignotante

EGALUX

COD.	LED	LUMENS	g
58645	COB	350	115



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	6
Pilas / *Batteries* / Piles	3AAA (No incluidas) / *3AAA (Not included)* / 3AAA (Non incluses)
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Luminosidad del led / *Led brightness* / Luminosité du led	350.000 MCD
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Distancia de haz (m) / *Beam distance (m)* / Distance du faisceau (m)	40
Carcasa / *Housing* / Carcasse	Aluminio / *Aluminum* / Aluminium
Posiciones de iluminación / *Lighting positions* / Positions d'illumination	Baja potencia y alta potencia / *Low power and high power* / Puissance faible et haute puissance

LINTERNA PARA INSPECCIÓN / *INSPECTION LAMP* / BALADEUSE / *INSPEKTIONSLEUCHTE* / TORCIA PER ISPEZIONE RICARICABILE / *LANTERNA PARA INSPECÇÃO* / ФОНАРИК ДЛЯ ОСМОТРА

COD.	LED	LUMENS	L (mm)	g
51242	72	180	350	400



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	4
Batería / *Battery* / Batterie	Ni-Mh
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Luminosidad del led / *Led brightness* / Luminosité du led	18.000 MCD
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Estanqueidad / *Waterproof* / Étanchement	IP x 4
Carcasa / *Housing* / Carcasse	Aluminio / *Aluminum* / Aluminium
Gancho / *Hook* / Crochet	●
Cargador / *Charger* / Chargeur	100-240 V/ 50-60 Hz / 12 V
Tiempo de carga (h. aprox.) / *Charging time (h. approx.)* / Temps de charge (h. approx.)	12

COD.	LED	LUMENS	L (mm)	g
58644	CREE XML T6 OR COB	350	165	190



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	3
Batería / *Battery* / Batterie	Litio, 2200 mAh / *Lithium, 2200 mAh* / Lithium, 2200 mAh
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Luminosidad del led / *Led brightness* / Luminosité du led	35.000 MCD
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Distancia de haz (m) / *Beam distance (m)* / Distance du faisceau (m)	150
Estanqueidad / *Waterproof* / Étanchement	IP 54
Carcasa / *Housing* / Carcasse	Aluminio, ABS / *Aluminum and ABS* / Aluminium et ABS
Gancho / *Hook* / Crochet	●
Cargador / *Charger* / Chargeur	100-240 V/ 50-60 Hz / 12 V
Tiempo de carga (h. aprox.) / *Charging time (h. approx.)* / Temps de charge (h. approx.)	5



EGALUX



COD.	LED	LUMENS	L (mm)	g
58646	COB	420	190	290



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	3
Batería / *Battery* / Batterie	Litio, 4400 mAh / *Lithium, 4400 mAh* / Lithium, 4400 mAh
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Luminosidad del led / *Led brightness* / Luminosité du led	42.000 MCD
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Estanqueidad / *Waterproof* / Étanchement	IPX 4
Carcasa / *Housing* / Carcasse	ABS
Gancho / *Hook* / Crochet	●
Imán / *Magnet* / Aimant	●
Cargador / *Charger* / Chargeur	100-240 V/ 50-60 Hz / 12 V
Tiempo de carga (h. aprox.) / *Charging time (h. approx.)* / Temps de charge (h. approx.)	5

LINTERNA DE BOLSILLO / *LED POCKET FLASHLIGHT* / LAMPE DE POCHE / *LED-TASCHENLAMPE* / TORCIA DI TASCA / *LANTERNA DE BOLSO* / КАРМАННЫЙ СВЕТОДИОДНЫЙ ФОНАРИК

COD.	LED	LUMENS	L (mm)	g
58641	CREE XPG	100	150	57



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía / *Autonomy* / Autonomie	2,5-7
Batería / *Battery* / Batterie	Litio, 1200 mAh / *Lithium, 1200 mAh* / Lithium, 1200 mAh
Distancia de haz (m) / *Beam distance (m)* / Distance du faisceau (m)	80
Estanqueidad / *Waterproof* / Étanchement	IP 54
Carcasa / *Housing* / Carcasse	Aluminio / *Aluminum* / Aluminium
Posiciones de iluminación / *Lighting positions* / Positions d'illumination	Baja potencia y alta potencia / *Low power and high power* / Puissance faible et haute puissance
Cargador / *Charger* / Chargeur	100-240 V/ 50-60 Hz / 12 V
Tiempo de carga (h. aprox.) / *Charging time (h. approx.)* / Temps de charge (h. approx.)	3

BE SAFE...BE EFFICIENT

EGALUX

LINTERNA UV / *UV FLASHLIGHT* / LAMPE UV / *UV-TASCHENLAMPE* / TORCIA UV / *LANTERNA UV* / УФ ФОНАРИК

COD.	LED	L (mm)	g
58648	UV-COB	105	115



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	7(UV)/3(COB)
Batería / *Battery* / Batterie	Batería de litio / *Lithium battery* / Batterie en lithium
Distancia de haz (m) / *Beam distance (m)* / Distance du faisceau (m)	50
Estanqueidad / *Waterproof* / Étanchement	IP30
Carcasa / *Housing* / Carcasse	Aluminio / *Aluminum* / Aluminium
Posiciones de iluminación / *Lighting positions* / Positions d'illumination	Intensidad regulable / *Adjustable intensity* / Intensité réglable
Cargador / *Charger* / Chargeur	Cable USB / *USB cable* / Cable USB
Tiempo de carga (h. aprox.) / *Charging time (h. approx.)* / Temps de charge (h. approx.)	3

COD.	LED	L (mm)	g
58649	UV	100	42



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	4
Pilas / *Batteries* / Piles	3AAA (No incluidas) / *3AAA (Not included)* / 3AAA (Nonincluses)
Distancia de haz (m) / *Beam distance (m)* / Distance du faisceau (m)	50
Estanqueidad / *Waterproof* / Étanchement	IP42
Carcasa / *Housing* / Carcasse	Aluminio / *Aluminum* / Aluminium

FOCO LED / *LED HAND LAMP* / PROJECTEUR LED / *LED-HANDLEUCHTE* / RIFLETTORE A LED / *HOLOFOTE LED* / СВЕТОДИОДНЫЙ ПРОЖЕКТОР

COD.	LED	LUMENS	g
58642	COB	1100	750



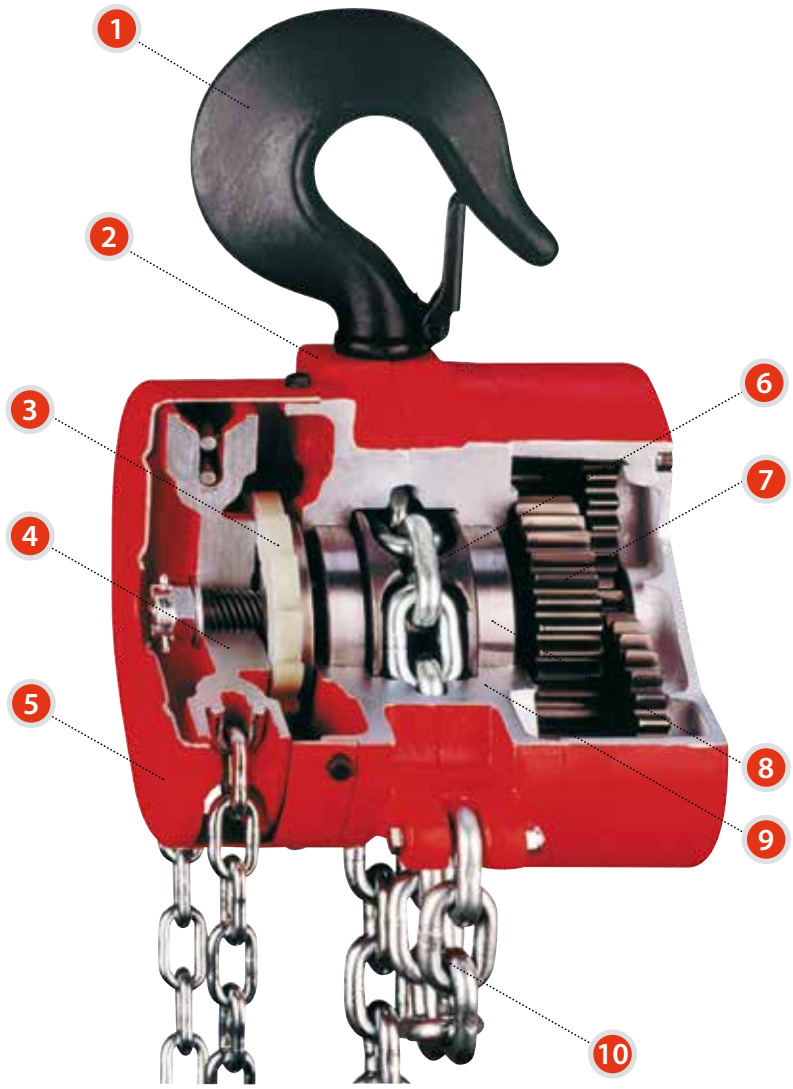
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Autonomía (h. aprox.) / *Autonomy (h. approx.)* / Autonomie (h. approx.)	3
Batería / *Battery* / Batterie	Litio, 4400 mAh / *Lithium, 4400 mAh* / Lithium, 4400 mAh
Vida del led (h) / *Led lifetime (h)* / La vie du led (h)	100.000
Fuente de luz blanca / *White light source* / Source de lumière blanche	●
Carcasa / *Housing* / Carcasse	ABS y Aluminio / *ABS and Aluminum* / ABS et Aluminum
Posiciones de iluminación / *Lighting positions* / Positions d'illumination	Baja potencia y alta potencia / *Low power and high power* / Puissance faible et haute puissance
Cargador / *Charger* / Chargeur	100-240 V/ 50-60 Hz / 12 V
Tiempo de carga (h. aprox.) / *Charging time (h. approx.)* / Temps de charge (h. approx.)	6

30

SISTEMAS DE ELEVACIÓN
LIFTING SYSTEMS
SYSTÈMES DE LEVAGE
HEBESYSTEME
SISTEMI DI ELEVAZIONE
SISTEMAS DE ELEVAÇÃO
ПОДЪЕМНЫЕ СИСТЕМЫ



POLIPASTOS MANUALES
HAND CHAIN HOISTS
PALANS MANUELS



1 Ganchos
Hooks
Crochets

2 Cuerpo principal
Main body
Corps principal

3 Freno de seguridad
Security brake
Frein de Sécurité

4 Volante de mando
Control flywheel
Volant de commande

5 Carter del volante
Flywheel casing
Carter du volant

6 Nuez de cadena de carga
Load chain sheave
Pignon de chaine de charge

7 Reductor
Reducer
Réducteur

8 Rodamientos de bolas
Ball bearings
Roulements à billes

9 Guiado permanente
Permanent Load Chain Guide
Guide permanent

10 Cadena de carga
Load chain
Chaine de charge

Los polipastos manuales EGA Master están diseñados, fabricados y estrictamente controlados de acuerdo a la norma FEM, garantizan la máxima seguridad con diversidad de posibilidades de elevación.

Su exclusivo guiado permanente, evita que la cadena se pueda atascar o romperse. Esto, junto con su sistema de freno patentado de acción inmediata y con el Factor de Seguridad de 5-6 recomendado para la cadena, no sólo refuerza un trabajo en condiciones de seguridad, sino que además amplía los ciclos de uso maximizando la vida útil de los mismos.

Su optimizado diseño requiere además un mantenimiento mínimo, simplemente hay que lubricarlos periódicamente.

EGA Master hand chain hoists are designed, manufactured and controlled according to the FEM standard, ensuring the maximum safety with a diversity of lifting possibilities.

Its exclusive permanent load chain guide avoids the chain jams or breaks. This, together with its patented immediate action safety brake system and with the Safety Factor 5-6 recommended for the chain, not only reinforces the work in safe conditions, but also, extends the use cycles maximizing their useful life.

Its optimized design only requires minimal maintenance: a simply lubrication periodically.

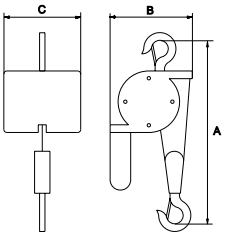
Les palans manuels EGA Master sont conçus, fabriqués et stritement controlés en accord avec la norme FEM, ils garantissent une sécurité optimales avec une multitudes de possiblités de levage.

Son exclusif guide permanent, evite que la chaine puisse s´entrecroiser ou se rompre. Ceci, en combinaison avec son systéme de freinage breveté d´action immédiate et grace au facteur Securité de 5-6 recommendé par la chaîne, non seulement cela renforce un travail dans des conditions de securité, mais aussi cela augmente le nombre de cycle maximisant son espérance de vie.

Sa conception optimimale requiert néanmoins un entretient minimaliste, simplement une lubrification periodique est necessaire.

POLIPASTOS MANUALES / *HAND CHAIN HOISTS* / PALANS MANUELS / *HANDKETTENZUG* / PARANCHI MANUALI / *DIFERENCIAIS MANUAIS DE CORRENTE* / РУЧНЫЕ ЛЕБЕДКИ

POLIPASTOS DE GANCHO / *HOOK CHAIN HOISTS* / PALANS À CROCHET / *HAKENKETTENZUG* / PARANCHI A GANCIO / *DIFERENCIAIS DE CORRENTE COM GANCHO* / ЛЕБЕДКА ЦЕПНАЯ

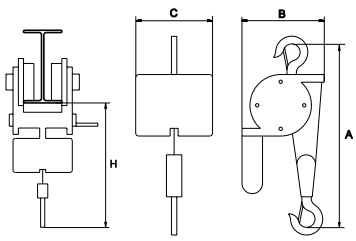


COD.	CAP. (Ton)	Nº de ramales / *Nº of chain falls* / Nombre de brins	A (mm)	B (mm)	C (mm)	Kg
00657	0,25	1	260	130	160	8,0
00658	0,5					
00659	1		310	160	175	13
00660	1,6		380	180	185	18
00661	2					
00662			415	210	205	31
00663	2,5					
00664	3,2	2	520	260	185	29
00665	5		640	290	205	45
00666	6,3		730	380	230	75
00667	8		870	440		110
00668	10		900			120
00669	12,5		1000	490	250	160
00670	16		1150	520		210



Pesos aproximados para tres metros de elevación / *Approximate weights for 3 meters elevation* / Poids approximatifs pour 3 mètres d'élévation

POLIPASTOS DE CARRO DE CADENA / *GEARED TROLLEY CHAIN HOISTS* / PALANS À CHARIOT À CHAINE / *HASPEL KETTENZUG* / PARANCHI A CATENA SU CARRELLO / *DIFERENCIAIS DE CORRENTE COM CARRO (DE ENGRENAGEM)* / ЛЕБЕДКА ЦЕПНАЯ С БЛОКОМ И ТЕЛЕЖКОЙ

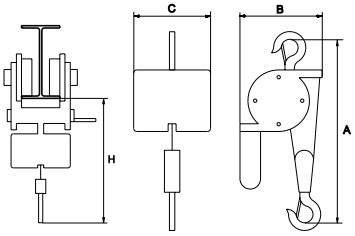


COD.	CAP. (Ton)	Nº de ramales / *Nº of chain falls* / Nombre de brins	A (mm)	B (mm)	C (mm)	H (mm)	Kg
00678	0,5	1	260	130	160	280	17
00679	1		310	160	175	330	27
00680	1,6		380	180	185	400	37
00681	2						41
00682			415	210	205	435	55
00683	2,5						
00684	3,2	2	520	260	185	540	65
00685	5		640	290	205	660	95
00686	6,3		730	380	230	760	125
00687	8	3	870	440		890	220
00688	10		900			940	240
00689	12,5	4	1000	490	250	1040	290
00690	16	5	1150	520		1200	340



Pesos aproximados para tres metros de elevación / *Approximate weights for 3 meters elevation* / Poids approximatifs pour 3 mètres d'élévation

POLIPASTOS DE CARRO DE EMPUJE / *GEARED TROLLEY CHAIN HOISTS* / PALANS À CHARIOT DE POUSSÉ / *SCHUB KETTENZUG* / PARANCHI A SPINTA SU CARRELLO / *DIFERENCIAIS DE CORRENTE COM CARRO* / ЛЕБЕДКА ЦЕПНАЯ С ТЕЛЕЖКОЙ



COD.	CAP. (Ton)	Nº de ramales / *Nº of chain falls* / Nombre de brins	A (mm)	B (mm)	C (mm)	H (mm)	Kg
00671	0,5	1	260	130	160	280	15
00672	1		310	160	175	330	23
00673	1,6		380	180	185	400	33
00674	2						35
00675			415	210	205	435	48
00676	2,5						
00677	3,2	2	520	260	185	540	60

Pesos aproximados para tres metros de elevación / *Approximate weights for 3 meters elevation* / Poids approximatifs pour 3 mètres d'élévation





31

ARTÍCULOS ELECTRÓNICOS
ELECTRONIC DEVICES
APPAREILS ÉLECTRONIQUES
ELEKTRONISCHE GERÄTE
DISPOSITIVI ELETTRONICI
ARTIGOS ELECTRÓNICOS
ЦИФРОВЫЕ УСТРОЙСТВА

EGATRONIK



EGATRONIK

La medición de precision es una necesidad fundamental en la vida moderna. El confort, la calidad, la eficiencia y, sobre todo, la seguridad vienen determinadas por la precisión de las medidas que se realizan. Consciente de ello, EGA Master ha desarrollado una amplísima gama de instrumentos electrónicos de medición y testeo de gran precisión e innovación, que permitirán a los usuarios profesionales realizar su trabajo con las máximas garantías, la seguridad del trabajo bien hecho y la máxima eficacia.

Instrumentos que permitirán realizar todo tipo de mediciones eléctricas, electrónicas, de aislamiento, iluminación, temperatura, sonido y velocidad, entre otros, para los sectores industriales y profesionales más exigentes: Automoción, Aeronáutica, Iluminación, Eléctrico, Electrónico, Mantenimiento Industrial, Seguridad y Salud, Construcción, Ferroviario, Naval, etc.

*Accurate measuring is a fundamental requirement in modern life. Comfort, quality, efficiency, and above all, safety, are determined by the accuracy of the measurements done. Conscious about it, **EGA Master** has developed a wide range of high precision and innovative electronic measuring and testing instruments, that will help professional end-users to do their job with complete safety, certain of a well done job.*

The range includes devices for any type of measurements, such as electric, electronic, insulation, illumination, temperature, sound or speed… for the most demanding industrial sectors and professionals: Automotive, Aeronautics, Illumination, Electric, Electronic, Industrial Maintenance, Health & Safety, Construction, Railway, Shipbuilding and a long etc.

La mesure de précision est une nécessité fondamentale dans la vie moderne. Le confort, la qualité, l'efficience et surtout, la sécurité, sont déterminés par la précision des mesures réalisées. Étant consciente de ce fait, EGA Master a développé une vaste gamme d'instruments électroniques de mesure et de test avec une grande précision et innovation, ce qui permettra aux usagers professionnels de réaliser leur travail avec les garanties maximales, la sécurité d'un travail bien fait et une grande efficacité.

Tous ces instruments permettront de réaliser tout type de méditions comme par exemple : électriques, électroniques, d'isolation, d'illumination, de température, de son et vitesse, pour les secteurs industriels et professionnels les plus exigeants : Automation, Aéronautique, Éclairage, Électrique, Électronique, Entretien Industriel, Sécurité et Santé, Construction, Ferroviaire, Naval, parmi beaucoup d'autres.









EGATRONIK

PINZA AMPERIMÉTRICA / *CLAMP METER* / PINCE AMPÈREMÉTRIQUE / *STROMZANGE* / PINZA APERIMETRICA / *PINÇA AMPERIMÉTRICA* / ИНДУКЦИОННЫЙ ИЗМЕРИТЕЛЬ

COD.	g	
51664	250	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	600 V ±(0,8%+5)
DCV	600 V ±(0,5%+2)
ACA	400 A ±(2%+10)
Ω	40 MΩ ±(0,8%+2)
°C	-40 °C~1000 °C ±(1,5%+5)
°F	-40 °F~1832 °F ±(2%+6)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	-
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	3 V (2 x AAA)
Auto range	●
Display	4000
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51270 (CATI 1000V - CATII 600V)
Función Pico / *Peak Function* / Fonction de piquage	●

COD.	Descripción / *Description* / Description	
51270	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATI 1000V - CATII600V



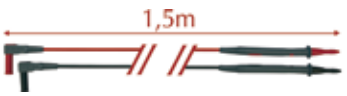
COD.	g	
51248	665	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	750 V ±(1,2%+3)
DCV	1000 V ±(0,8%+1)
DCA	1000A ±(1,5%+5)
ACA	1000 A ±(2%+2)
Ω	40 MΩ ±(1%+2)
Hz	10 MHz ±(0,1%+3)
Duty Cycle 0,1%-99,9%	●
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	●
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22)
Auto range	●
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
True RMS	●
Display	4000
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51272 (CATIII 1000V - CATIV 600V)
Función Pico / *Peak Function* / Fonction de piquage	●

COD.	Descripción / *Description* / Description	
51272	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIV 600V



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

MULTÍMETRO DIGITAL / *DIGITAL MULTIMETER* / MULTIMÈTRE DIGITAL / *DIGITALE MULTIMETER* / MULTIMETRO DIGITALE / *MULTIMETRO DIGITAL* / ЦИФРОВОЙ МУЛЬТИМЕТР

COD.	g	
58515	350	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	1000V ±(0.5%+10)
DCV	1000V ±(0.05%+3)
DCA	20A ±(0.5%+5)
ACA	20A ±(0.8%+10)
Ω	200MΩ ±(0.3%+1)
°C	-40 °C-1000°C ±(1%+30)
Hz	20kHz ±(1.5%+5)
F	20µF ±(3%+40)
USB	●
Duty Cycle 10%-90%	±(1%+30)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	-
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9V Battery (6F22)
Auto range	●
Display	20000
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51271 (CATIII 1000V - CATIV 600V)

COD.	Descripción / *Description* / Description	
51271	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIV 600V



COD.	g	
51253	790	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	1000 V ±(0,8%+40)
DCV	1000 V ±(0,1%+8)
DCA	10 A ±(0,2%+20)
ACA	10 A ±(1%+15)
Ω	20 MΩ ±(0,5%+20)
Hz	200 MHz ±(0,1%+15)
F	20 mF ±(1,5%+20)
USB	●
Duty Cycle 10%-90%	±(1%+30)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	●
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22)
Auto range	●
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
True RMS (100 kHz)	●
Gráfico analógico / *Analogue bar graph* / Graphique analogique	●
Display	20000
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51272 (CATIII 1000V - CATIV 600V)
Función Pico / *Peak Function* / Fonction de piquage	●

COD.	Descripción / *Description* / Description	
51272	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIV 600V



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

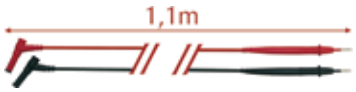
COD.	g	
51643	300	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	600 V ±(0,8%+3)
DCV	600 V ±(0,5%+1)
DCA	10 A ±(0.8%+1)
ACA	10 A ±(1%+3)
Ω	20 MΩ ±(1%+2)
F	100µF ±(4%+3)
USB	-
°C	-40 °C-1000°C ±(1%+5)
°F	-40 °F-1832 °F ±(1,5%+50)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	-
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22)
Auto range	-
Display	2000
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51271 (CATIII 1000V - CATIV 600V)

COD.	Descripción / *Description* / Description	
51271	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIV 600V



COD.	g	
51254	915	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	1000 V ±(0,6%+40)
DCV	1000 V ±(0,05%+5)
DCA	10 A ±(0,15%+20)
ACA	10 A ±(0,8%+15)
Ω	20 MΩ ±(0,4%+20)
°C	-40 °C-1000 °C ±(1%+30)
°F	-40 °F-1832 °F ±(1,5%+50)
Hz	200 MHz ±(0,1%+15)
F	20 mF ±(1,2%+20)
USB	●
Duty Cycle 10%-90%	±(1%+30)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	●
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22)
Auto range	●
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
True RMS (100 kHz)	●
Gráfico analógico / *Analogue bar graph* / Graphique analogique	●
Display	20000
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51272 (CATIII 1000V - CATIV 600V)
Función Pico / *Peak Function* / Fonction de piquage	●

COD.	Descripción / *Description* / Description	
51272	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIV 600V



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

COD.	g	
51252	470	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	600 V ±(0,7%+3)
DCV	600 V ±(0,5%+3)
DCA	10 A ±(1,0%+3)
ACA	10 A ±(1,2%+3)
Ω	200 MΩ ±(1,0%+2)
F	20 mF ±(3%+5)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	1.5V AAA (ZN-MN)
Auto range	●
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Display	2000
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51270 (CATI 1000V - CATII600V)

COD.	Descripción / *Description* / Description	
51270	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATI 1000V - CATII600V



MULTÍMETRO DIGITAL PARA AUTOMÓVILES / *AUTOMOTIVE DIGITAL MULTIMETER* / MULTIMÈTRE DIGITAL POUR AUTO / *AUTOMOTIVE DIGITALER MULTIMETER* / MULTIMETRO DIGITALE PER AUTOMOBILI / *MULTIMETRO DIGITAL AUTO* / АВТОМОБИЛЬНЫЙ ЦИФРОВОЙ МУЛЬТИМЕТР

COD.	g	
51259	720	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	750 V ±(0,8%+5)
DCV	1000 V ±(0,5%+2)
DCA	10 A ±(0,8%+5)
Ω	20 MΩ ±(0,8%+5)
°C	-40 °C-1000 °C ±(2%+8)
Hz	2 kHz ±(2%+5)
Duty Cycle 1%-90%	±(4%+5)
Dwell	8 CyL ±(3%+5)
Tasch	8 CyL ±(3%+5)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	●
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22)
Test batería / *Battery test* / Test de batterie	12 A ±(3%+5)
Display	1999
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51271 (CATIII 1000V - CATIV 600V)

COD.	Descripción / *Description* / Description	
51271	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIV 600V



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ID 0910098046
to the Management Quality

EGATRONIK

COD.	g	
51260	655	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	1000 V ±(0,8%+3)
DCV	1000 V ±(0,5%+3)
ACA	10 A ±(1,2%+5)
DCA	10 A ±(1%+2)
Ω	40 MΩ ±(1%+5)
°C	-40 °C-537 °C ±(1%+10)
°F	-40 °F-998 °F ±(1%+18)
Hz	1 MHz ±(0,1%+4)
Dwell	8 CyL ±(3%+5)
Tasch	8 CyL ±(3%+5)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Medición del ciclo de trabajo / *Duty cycle* / Mesure du cycle de travail	●
Test diodo y transistores / *Diode & transistors test* / Test diode et transistors	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22)
Auto range	●
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Display	3999
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51271 (CATIII 1000V - CATIV 600V)

COD.	Descripción / *Description* / Description	
51271	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIV 600V



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12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

BUSCAPOLOS / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	g	
51257	290	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV-DCV	12/24/50/120/230/400/690 V
Test de rotación de fase / *Phase rotation test* / Test de rotation de phase	50-60 Hz
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	3 V (2 x AAA)
Auto range	●
Continuidad / *Continuity* / Continuité	0-100 kΩ
Polaridad / *Polarity* / Polarité	+ / -
Detección de cortocircuito / *Short circuit detection* / Détection de courts-circuits	●
Estanqueidad / *Waterproof* / Étanchement	IP65

COD.	g	
51258	290	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV-DCV	12/24/50/120/230/400/690 V
Test de rotación de fase / *Phase rotation test* / Test de rotation de phase	50-60 Hz
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	3 V (2 x AAA)
Auto range	●
Continuidad / *Continuity* / Continuité	0-100 kΩ
Polaridad / *Polarity* / Polarité	+ / -
Detección de cortocircuito / *Short circuit detection* / Détection de courts-circuits	●
Estanqueidad / *Waterproof* / Étanchement	IP65
LCD Display	24 V-690 V ± (3%+5)

BUSCAPOLOS AC NO-CONTACTO / *NON-CONTACT AC VOLTAGE DETECTOR* / TESTEUR DE TENSION AC SANS CONTACT / *BERÜHRUNGSLOSER AC SPANNUNGSDETEKTOR* / CERCAFASE AC - NO CONTATTO / *BUSCAPOLOS AC SEM CONTACTO* / БЕСКОНТАКТНЫЙ ДЕТЕКТОР НАПРЯЖЕНИЯ ПЕРЕМЕННОГО ТОКА

COD.	g	
58516	50	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	Low 24-1000V; High 90-1000V
Hz	50/60 Hz
Alimentación / *Power* / Poids	1.5V battery (R03) x 2
Indicador / *Indicator* / Indicateur	Beep & LED

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

MEDIDOR DE RESISTENCIA DE AISLAMIENTO / *MEGGER* / MESUREUR DE RÉSISTANCE D'ISOLATION / *WIDERSTAND MAß* / MISURATORE DI RESISTENZA / *MEDIDOR DE RESISTÊNCIA DE ISOLAMENTO* / МЕГГЕР

COD.	g	
51249	500	1

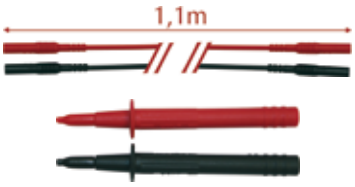
CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	600 V ±(2%+3)
DCV	No measurement
Indicación alto voltaje / *High voltage indication* / Indication de haut voltage	●
Alimentación / *Power* / Poids	9 V (6 x 1.5AA)
Resistencia aislamiento / *Insulation resistance* / Résistance d'isolation	500 V: 0 MΩ-99,9 MΩ / ±(3%+5) | 500 V: 100 MΩ-5 GΩ / ±(5%+5) | 1000 V: 0 MΩ-99,9 MΩ / ±(3%+5) | 1000 V: 100 MΩ-5GΩ / ±(5%+5) | 2500 V: 0 MΩ-99,9 MΩ / ±(3%+5) | 2500 V: 100 MΩ-10 GΩ / ±(5%+5) | 2500 V: 10 GΩ-20 GΩ / ±(10%+5)
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Display	1999
Puntas de prueba / *Test probes* / Pointes de touche	Cod. 51280 (CATIII 1000V - CATIII 1000V
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51273 (CATIII 1000V - CATIII 1000V)
Out V	500V ±10%1000V ±10%500V ±10%1000V ±10%2500V ±10%
Out A	500 V (R=250kΩ); 1 mA / ±10% | 1000 V (R=1MΩ); 1 mA / ±10% | 2500 (R=2,5MΩ); 1 mA / ±10%
A cortocircuito / *Short circuit A* / A court-circuit	<2 mA
Autodescarga / *Auto discharge* / Autodécharge	●
Continuidad / *Continuity* / Continuité	200Ω / ±(2%+3)

COD.	Descripción / *Description* / Description	
51273	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIII 1000V

COD.	Descripción / *Description* / Description	
51280	Puntas de prueba / *Test probes* / Pointes de touche	CATIII 1000V - CATIII 1000V



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12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

COMPROBADOR DE RESISTENCIA DE TIERRA / *EARTH GROUND TESTER* / TESTEUR DE TERRE / *ERDUNGSMESSER* / RILEVATORE RESISTENZA A TERRA / *COMPROVADOR DE RESISTÊNCIA DE TERRA* / ПРИБОР ДЛЯ ПРОВЕРКИ ГРУНТОВОГО ЗАЗЕМЛЕНИЯ

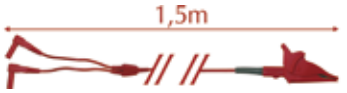
COD.	g	
51250	2260	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Alimentación / *Power* / Poids	9 V (6 x AA)
Cables de prueba rojos cortos / *Short red test leads* / Cordons de mesure rouges courts	Cod. 51274 (CATIII 600V)
Cables de prueba rojos largos / *Long red test leads* / Cordons de mesure rouges longs	Cod. 51275 (CATIII 600V)
Cables de prueba verdes cortos / *Short green test leads* / Cordons de mesure verts courts	Cod. 51276 (CATIII 600V)
Cables de prueba verdes largos / *Long green test leads* / Cordons de mesure verts longs	Cod. 51277 (CATIII 600V)
Cables de prueba amarillos / *Yellow test leads* / Cordons de mesure jaunes	Cod. 51278 (CATIII 600V)
Test resistencia tierra / *Earth ground tester* / Testeur de résitance terre	0-20 Ω / ±2% rdg ±0,1 Ω | 0-200 Ω / ±2% rdg ±3 dgt | 0-2000 Ω / ±2% rdg ±3 dgt
Test voltaje tierra / *Earth voltage test* / Testeur de terre	0-200 VAC (50/60 Hz)
Protección por doble aislamiento / *Double insulation protection* / Protection par double isolation	●
Test 2 cables	●
Test 3 cables	●

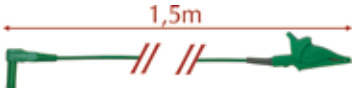
COD.	Descripción / *Description* / Description	
51274	Cables de prueba rojos cortos / *Short red test leads* / Cordons de mesure rouges courts	CATIII 600V



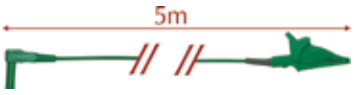
COD.	Descripción / *Description* / Description	
51275	Cables de prueba rojos largos / *Long red test leads* / Cordons de mesure rouges longs	CATIII 600V



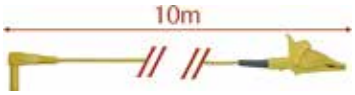
COD.	Descripción / *Description* / Description	
51276	Cables de prueba verdes cortos / *Short green test leads* / Cordons de mesure verts courts	CATIII 600V



COD.	Descripción / *Description* / Description	
51277	Cables de prueba verdes largos / *Long green test leads* / Cordons de mesure verts longs	CATIII 600V



COD.	Descripción / *Description* / Description	
51278	Cables de prueba amarillos / *Yellow test leads* / Cordons de mesure jaunes	CATIII 600V



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

MULTÍMETRO CON MEDIDA DE AISLAMIENTO / *INSULATION RESISTANCE MULTIMETER* / MULTIMÈTRE AVEC MESURE D'ISOLATION / *MULTIMETER* / MULTIMETRO CON MISURE D'ISOLAMENTO / *MULTÍMETRO COM MEDIDOR DE ISOLAMENTO* / УНИВЕРСАЛЬНЫЙ ИЗМЕРИТЕЛЬ ИЗОЛЯЦИОННОЙ ПРОЧНОСТИ

COD.	g	
51251	960	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
ACV	1000 V ±(0,4%+4)
DCV	1000V ±(0,3%+4)
DCA	600 mA ±(1%+2)
ACA	600 mA ±(1,5%+2)
Ω	40 MΩ ±(0,9%+2)
°C	-40 °C-537 °C ±(1%+10)
°F	-40 °F-998 °F ±(1%+18)
Hz	1 MHz ±(0,1%+3)
F	100 µF ±(3%+5)
Medidor de continuidad por sonido / *Continuity buzzer* / Mesure de continuité par son	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Alimentación / *Power* / Poids	9 V (6 x AA)
Auto range	●
Resistencia aislamiento / *Insulation resistance* / Résistance d'isolation	50V: 0,1MΩ-50MΩ / ±(3%+5) | 100V: 0,1MΩ-100MΩ / ±(3%+5) | 250 V: 0,2 MΩ-99,9 MΩ / ±(3%+5 | 250 V: 100 MΩ-250 MΩ / ±(3%+5) | 500 V: 0,5 MΩ-99,9 MΩ / ±(3%+5) | 500 V: 100 MΩ-500 MΩ / ±(3%+5) | 1000 V: 4 MΩ-99,9 MΩ / ±(3%+5) | 1000 V: 100 MΩ-999 MΩ / ±(3%+5) | 1000 V: 1 GΩ-2 GΩ / ±(5%+5)
True RMS	●
Display	6000
Pinzas cocodrilo / *Alligator clips* / Sondes à pince crocodile	Cod. 51282 (CATII 1000V - CATIII 600V
Cables de prueba / *Test leads* / Jeu de cordons de mesure	Cod. 51272 (CATIII 1000V - CATIV 600V) | Cod. 51279 (CATII 1000V - CATII 600V)

COD.	Descripción / *Description* / Description	
51272	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATIII 1000V - CATIV 600V

COD.	Descripción / *Description* / Description	
51279	Cables de prueba / *Test leads* / Jeu de cordons de mesure	CATII 1000V - CATII 600V

COD.	Descripción / *Description* / Description	
51282	Pinzas cocodrilo / *Alligator clips* / Sondes à pince crocodile	CATII 1000V - CATIII 600V



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

TERMÓMETRO DIGITAL POR INFRARROJOS / *INFRARED DIGITAL THERMOMETER* / THERMOMÈTRE DIGITAL PAR INFRAROUGE / *INFRAROT DIGITAL THERMOMETER* / TERMOMETRO DIGITALE A RAGGI INFRAROSSI / *TERMÓMETRO DIGITAL POR INFRAVERMELHOS* / ИНФРАКРАСНЫЙ ЦИФРОВОЙ ТЕРМОМЕТР

COD.	g	
51261	395	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
°C	-32 °C~650 °C
°F	-26 °F~1202 °F
°C-°F	●
USB	●
Alimentación / *Power* / Poids	9 V (6F22)
Distancia puntual / *Distance to spot size* / Distance ponctuelle	20:01
Tiempo de respuesta / *Response time* / Temps de réponse	250 mS (95% de lectura) / *250 mS (95% of reading)* / 250 mS (95% de lecture)
Respuesta espectral / *Spectral response* / Réponse spectrale	8 µm~14 µm
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Precisión / *Accuracy* / Précision	±1.8 °C or ±1.8%
Repetibilidad / *Repeatability* / Répétabilité	±0.5°C or ±0.5%
Resolución / *Resolution* / Résolution	0.1 °C/0.1 °F
Emisividad / *Emissivity* / Émissivité	0.10~1.0 ajustable / *0.10~1.0 adjustable* / 0.10~1.0 réglable
Tipo de láser / *Laser class* / Type de laser	Class 2(II)
Potencia del láser / *Output power* / Puissance du laser	<1 mW
Longitud de onda / *Laser wavelength* / Longueur d'onde	630 nm~670 nm
Interruptor láser / *Laser Switch* / Interrupteur laser	●
Función fijación de pantalla(s) / *Display hold(s) function* / Fonction fixation de l'écran(s)	8 sg
Función auto-apagado / *Auto power-off* / Fonction auto-éteint	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Indicador de batería / *Battery indicator* / Indicateur de vatterie	●
MÁX/MIN/DIFF/AVG / *MAX/MIN/DIFF/AVG* / MAX/MIN/DIFF/AVG	●
Recuperación automática de datos / *Electricity Cut-off Memory* / Rétablissement automatique des données	●
Trípode / *Tripod Mount* / Trépied	●
Pantalla LCD / *LCD Display (mm)* / Écran LCD	32 x 29 mm
Color / *Colour* / Couleur	Rojo y gris / *Red and Grey* / Rouge et gris
Peso neto / *Net weight* / Poids net	320 g
Dimensiones / *Dimensions* / Dimensions	169 x 138 x 53 mm
Accesorios / *Accessories* / Accessoires	Batería, bolsa de transporte, alimentación externa / *Battery, carrying Bag, external power* / Batterie, sac de transport, alimentation externe

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

COD.	g	
51262	1570	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
°C	-50 °C~1550 °C
°F	-58 °F~2822 °F
°C-°F	●
USB	●
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22): USB - Adaptador / *9V (6F22): USB - Power Adaptor* / 9V (6F22): USB - Adaptateur
Distancia puntual / *Distance to spot size* / Distance ponctuelle	50:01:00
Tiempo de respuesta / *Response time* / Temps de réponse	250 mS (95% de lectura) / *250 mS (95% of reading)* / 250 mS (95% de lecture)
Respuesta espectral / *Spectral response* / Réponse spectrale	8 µm~14 µm
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Precisión / *Accuracy* / Précision	±1.8°C or ±1.8%
Repetibilidad / *Repeatability* / Répétabilité	±0.5 °C or ±0.5%
Resolución / *Resolution* / Résolution	0.1(<10°C:0.2)
Emisividad / *Emissivity* / Émissivité	0.10~1.0 ajustable / *0.10~1.0 adjustable* / 0.10~1.0 réglable
Tipo de láser / *Laser class* / Type de laser	Class 2(II)
Potencia del láser / *Output power* / Puissance du laser	<1 mW
Longitud de onda / *Laser wavelength* / Longueur d'onde	630 nm~670 nm
Interruptor láser / *Laser Switch* / Interrupteur laser	●
Función fijación de pantalla(s) / *Display hold(s) function* / Fonction fixation de l'écran(s)	8 sg
Función auto-apagado / *Auto power-off* / Fonction auto-éteint	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
MÁX/MIN/DIFF/AVG / *MAX/MIN/DIFF/AVG* / MAX/MIN/DIFF/AVG	●
Memoria datos / *Data logging* / Mémoire de données	99
Alarma nivel alto / *High alarm* / Alarme de haut niveau	●
Alarma nivel bajo / *Lower alarm* / Alarme de bas niveau	●
Recuperación automática de datos / *Electricity Cut-off Memory* / Rétablissement automatique des données	●
Trípode / *Tripod Mount* / Trépied	●
Medida contacto T-C / *T-C contact measurement* / Mesure du contact T-C	●
Pantalla LCD / *LCD Display (mm)* / Écran LCD	33 x 38 mm
Color / *Colour* / Couleur	Rojo y gris / *Red and Grey* / Rouge et gris
Peso neto / *Net weight* / Poids net	320 g
Accesorios / *Accessories* / Accessoires	Batería, cable interfaz USB, PC software CD / *Battery, USB Interface cable, PC software CD* / Batterie, câble interface USB, PC software CD

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

MEDIDOR DE DISTANCIAS LÁSER / *LASER DISTANCE DETECTOR* / MESURE DE DISTANCE AU LASER / *LASER DISTANZMESSGERÄT* / MISURATORE DI DISTANZA LASER / *MEDIDOR DE DISTÂNCIAS LASER* / ЛАЗЕРНЫЙ ИЗМЕРИТЕЛЬ

COD.	g	
65424	340	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Alimentación / *Power* / Poids	2x 1,5V AAA
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Alcance / *Reach* / Distance	0,1 m - 60 m / 4in - 197 ft
Precisión / *Accuracy* / Précision	± 2.0mm+5x10^-5 x Distancia / *± 2.0mm+5x10^-5 x Distance* / ± 2.0mm+5x10^-5 x Distance
Resolución / *Resolution* / Résolution	1 mm
Tipo de láser / *Laser class* / Type de laser	2
Potencia del láser / *Output power* / Puissance du laser	< 1mW
Longitud de onda / *Laser wavelength* / Longueur d'onde	630-670 nm
Medición de mínimo y máximo / *Maximum and minimum measurement* / Mesure minimale et maximale	●
Función de medición continua / *Continuous measurement function* / Fonction de mesure continue	●
Función Pitágoras / *Pythagorean function* / Fonction Pythagore	●
Cálculo de distancias, áreas y volúmenes / *Distance, square and cubic measurement calculator* / Calcul de distances, surfaces et volumes	●
Adición y substracción / *Addition and Subtraction* / Addition et soustraction	●
Unidades de medida / *Unit selection* / Unités de mesure	m/ft/in
Memoria datos / *Data logging* / Mémoire de données	20
Función auto-apagado láser / *Laser auto power-off* / Fonction auto-éteint laser	30s
Función auto-apagado aparato / *Device auto power-off* / Fonction auto-éteint de l'appareil	180s
Indicador de batería / *Battery indicator* / Indicateur de vatterie	llena-media-baja / *full-medium-low* / pleine-moyenne-faible
Autonomía / *Autonomy* / Autonomie	hasta 8000 medidas / *up to 8000 measures* / jusqu'à 8000 mesures
Temperatura de trabajo / *Working temperature* / Température de travail	0 °C ~ 40 °C
Temperatura de almacenamiento / *Storage temperature* / Température de stockage	-20ºC ~ 40ºC

TACÓMETRO DIGITAL / *DIGITAL TACHOMETER* / TACHYMÈTRE DIGITAL / *DIGITAL TACHOMETER* / TACCHIMETRO DIGITALE / *TACÓMETRO DIGITAL* / ЦИФРОВОЙ ТАХОМЕТР

COD.	g	
51265	380	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
RPM	10-99999 rpm
USB	●
Alimentación / *Power* / Poids	6 V (4 x AA)
Rangos / *Ranges* / Echelles	10-99 rpm | 100-999 rpm | 1000-9999 rpm | 10000-99999 rpm
Display	99999
Precisión / *Accuracy* / Précision	0,04% ±2 dgt
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
MÁX/MIN/AVE/ZERO / *MAX/MIN/AVE/ZERO* / MAX/MIN/AVE/ZERO	●
Distancia de medición / *Target distance* / Distance de mesure	50-200 mm

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

EGATRONIK

ANEMÓMETRO / *ANEMOSCOPE* / ANÉMOMÈTRE / *ANEMOMETER* / ANEMOMETRO / *ANEMÓMETRO* / АНЕМОМЕНТР (ВЕТРОМЕР)

COD.	g	
51264	600	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
°C	0 °C-40 °C ±3 °C
°F	32 °F-104 °F ±4 °F
USB	●
CMM	0,001-9999 x 10
CFM	0,001-9999 x 10
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	VEL/FLOW
Indicador de batería baja / *Low battery indication* / Indicateur de charge de batterie	●
Alimentación / *Power* / Poids	9 V (6F22)
Max./Min.	●
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Velocidad viento / *Wind speed* / Vitesse de vent	2-10 m/s ±(3%+5) | 10-30 m/s ±(3%+5)

LUXÓMETRO / *LUMINOMETER* / LUMINOMÈTRE / *LICHTMETER* / LUMINOMETRO / *LUXÍMETRO* / ЛЮМИНОМЕТР

COD.	g	
51266	330	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
USB	●
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Alimentación / *Power* / Poids	9 V (6F22)
LUX	20 Lux: ±(3%+20) | 200 Lux: ±(3%+8) | 2000 Lux: ±(3%+8) | 20000 Lux: ±(3%+8)
LUX/CD	●
Auto range	●
Max./Min.	●
Memoria datos / *Data logging* / Mémoire de données	●
Temperatura de trabajo / *Working temperature* / Température de travail	0 °C-40 °C

SONÓMETRO / *SOUND METER* / SONOMÈTRE / *SCHALLPEGEL-MESSGERÄT* / SONOMETRO / *SONÓMETRO* / ИЗМЕРИТЕЛЬ ИНТЕНСИВНОСТИ ШУМА

COD.	g	
51263	600	1

CE | 12M | IEC 61010



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Hz	31,5-8000 Hz
dB	30-130 dB
Función fijación de datos / *Data hold function* / Fonction mémorisation des renseignements	●
Alimentación / *Power* / Poids	6 V (4 x AA)
Max./Min.	●
Pantalla retroiluminada / *Back light display* / Écran à rétro-éclairage	●
Gráfico analógico / *Analogue bar graph* / Graphique analogique	●
Precisión / *Accuracy* / Précision	±1,5 dB
Memoria datos / *Data logging* / Mémoire de données	63

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

EGATRONIK

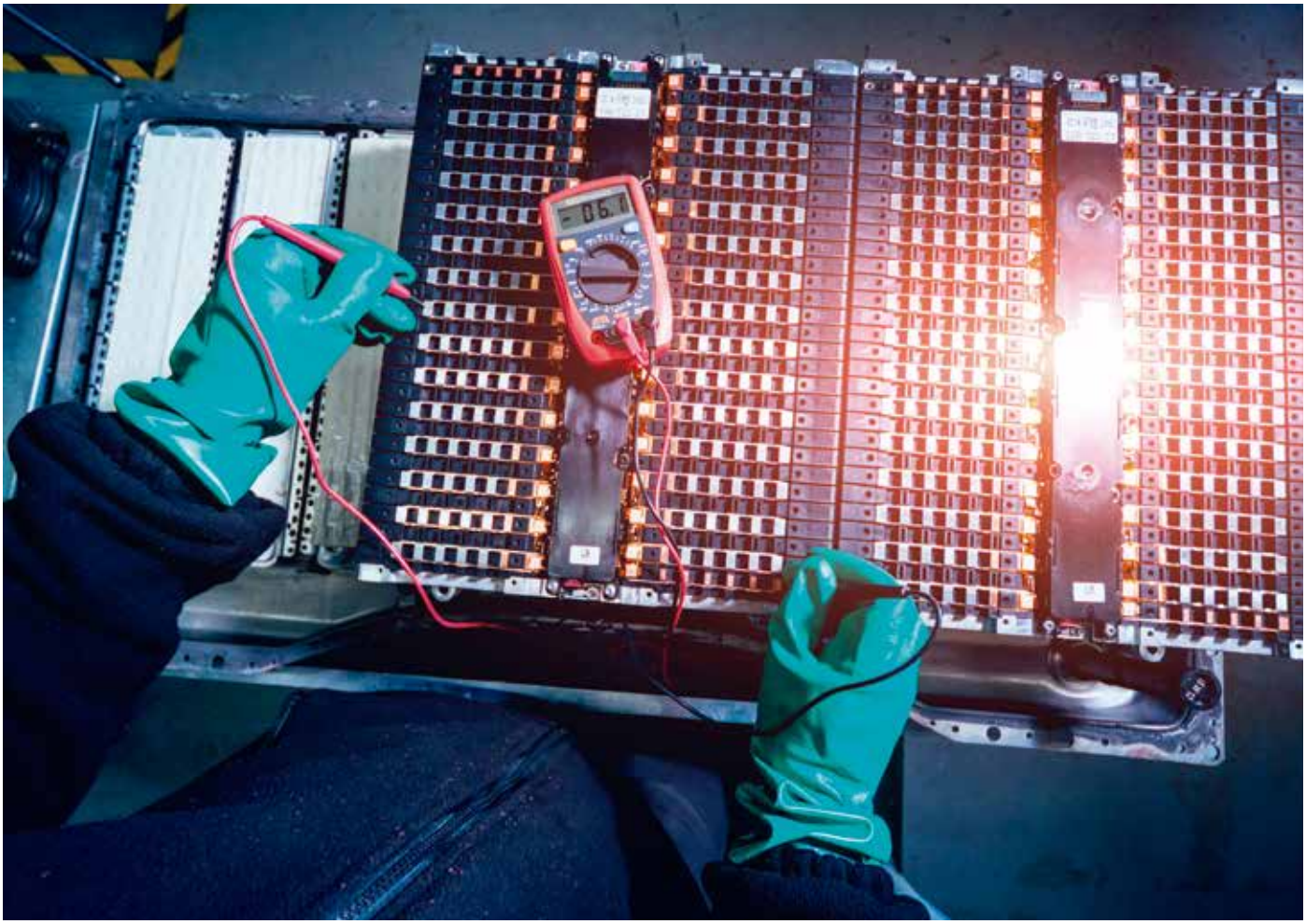
CERTIFICADOS DE CALIBRACIÓN / *CALIBRATION CERTIFICATES* / CERTIFICATS DE CALIBRAGE / *KALIBRIERUNGSZERTIFIKATE* / CERTIFICATO DI CALIBRAZIONE / *CERTIFICADOS DE CALIBRAÇÃO* / ПОВЕРОЧНЫЕ СЕРТИФИКАТЫ

EXTERNA / *EXTERNAL* / EXTERNE / *EXTERN* / ESTERNO / *EXTERNO* / ВНЕШНИЙ

COD.	ENAC
99990	ENAC

INTERNA / *INTERNAL* / INTERNE / *INTERN* / INTERNO / *INTERNO* / ВНУТРЕННИЙ

COD.
99989



32

ELECTRICIDAD
ELECTRICIAN TOOLS
OUTILLAGE D'ELECTRICIEN
WERKZEUGE FÜR ELEKTRIKER
UTENSILI PER ELETTRICISTI
ELECTRICIDADE
ИНСТРУМЕНТ ДЛЯ ЭЛЕКТРИКОВ



32 CORTABRIDAS
PLASTIC TIE CUTTER
PINCE COUPE COLLIERS PLASTIQUES

El corte de bridas mediante el uso de tijeras puede dañar los cables. Este es de hecho el principal causante de averías y retrasos, además de un potencial riesgo para la seguridad.

El cortabridas de EGA Master permite cortar bridas de manera rápida y sencilla, sin dañar los cables que sujetan:

The use of scissors to cut ties can result in wire damage. This is, in fact, the main cause of faults and delays in industrial applications. It is also a potential safety hazard.

The EGA Master plastic tie cutter cuts ties in an easy and quick way, and without damaging the wires.

La pince coupe colliers plastiques via l'usage de ciseaux peut endommager les câbles. En effet, c'est la principale cause de pannes et retards, outre un risque potentiel pour la sécurité.

La pince coupe colliers plastiquess d'EGA Master permet de couper des brides d'une manière rapide et facile, sans endommager les câbles qu'elles retiennent.





1

El diseño especial de sus puntas permite cortar bridas sin dañar los cables que sujetan.

The special design of the blades allows cutting the very tightly held cable-ties without damaging the cables.

La forme spécifique des extrémités des becs de la pince, permet de couper les colliers sans endommager les câbles.

2

Indispensable en automoción, aviación, línea blanca, electricidad y redes de datos, donde el uso de tijeras puede provocar el deterioro involuntario de los cables, lo que hace incurrir en serios problemas de seguridad y costos de resolución.

Compulsory in the automotive, aviation, white line, electricity and network industries where the use of scissors or knives can involuntary damage the cables and incur serious safety problems and resolution costs.

Indispensable dans l'automobile, l'aviation, les lignes électriques, l'électricité et les réseaux, où l'utilisation de ciseaux peut blesser involontairement les câbles; ce qui peut provoquer un problème de sécurité et de surcoût de montage.



3

Además nos permite cortar cable de hasta 10 mm de diámetro gracias a su longitud de corte.

It allows cutting cables of up to 10 mm in diameter.

En plus il nous permet de couper un câble de jusqu'à 10 mm de diamètre grâce à sa longueur de coupe.

Con las tijeras se dañan los cables.

Con el cortabridas de EGA Master se cortan las bridas con seguridad.

Scissors and knives damage the cables.

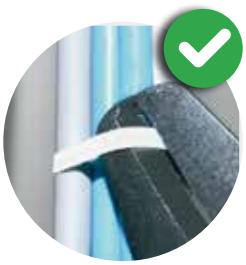
With Ega Master's new plastic tie cutter you can cut the cable-ties safely.

Avec les ciseaux on endommage les câbles.

Avec le coupe brides d'EGA Master les brides sont coupées avec sécurité.







ALICATES PARA TERMINALES / *CRIMPING PLIERS FOR TERMINALS* / PINCES À SERTIR LES COSSES / *KABELKLEMMZANGE* / PINZA PER CAPICORDA / *ALICATE PARA CRAVAR TERMINAIS* / ОБЖИМНЫЕ КЛЕЩИ

PARA TERMINALES AISLADOS / *FOR INSULATED TERMINALS* / POUR TERMINAUX ISOLES / *FÜR ISOLIERTE KABELSCHUHE* / PER TERMINALI ISOLATI / *PARA TERMINAIS ISOLADOS* / ДЛЯ ИЗОЛИРОВАННЫХ КОНТАКТОВ

COD.	L (mm)	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g			
62493	200	10-12-14-16-18-20-22	2,59-2,05-1,63-1,29-1,02-0,812-0,644	5,26-3,31-2,08-1,31-0,82-0,52-0,324	6-4-2,5-1,5-1-0,75-0,5	175	6	●	



COD.	L (inch)	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g			
62591	9	22-10	0,644-2,59	0,324-5,26	0,5-6	550	6	●	



PARA UNIÓN DE CABLES AISLADOS Y NO AISLADOS / *FOR CABLE LINKS INSULATED & NO INSULATED* / POUR UNION DE CABLES ISOLES ET NON ISOLES / *FÜR ISOLIERTE UND NICHT ISOLIERTE KABELSCHUHE* / PER UNIRE CAVI ISOLATI E NON ISOLATI / *PARA UNIÃO DE CABOS ISOLADOS E NÃO ISOLADOS* / ДЛЯ ИЗОЛИРОВАННЫХ И НЕИЗОЛИРОВАННЫХ КОНТАКТОВ

COD.	L (mm)	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g			
62494	220	10-12-14-16-18-20-22	2,59-2,05-1,63-1,29-1,02-0,812-0,644	5,26-3,31-2,08-1,31-0,82-0,52-0,324	6-4-2,5-1,5-1-0,75-0,5	190	6	●	



COD.	L (inch)	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g				
62594	7.1/2	26-14	0,405-1,63	0,129-2,08	0,5-2,5	360	6	●		



PARA TERMINALES NO AISLADOS / *FOR NOT INSULATED TERMINALS* / POUR TERMINAUX NON ISOLES / *FÜR NICHT ISOLIERTE KABELSCHUHE* / PER TERMINALI NON ISOLATI / *PARA TERMINAIS NÃO ISOLADOS* / ДЛЯ НЕИЗОЛИРОВАННЫХ КОНТАКТОВ

COD.	L (inch)	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g			
62593	7.1/2	22-20-18-16-14	0,644-0,812-1,02-1,29-1,63	0,324-0,52-0,82-1,31-2,08	0,5-0,76-1-1,5-2,5	350	6	●	



PARA TERMINALES AISLADOS DE COLORES / *FOR COLOR INSULATED TERMINALS* / POUR TERMINAUX ISOLES DE COULEUR / *FÜR FARBISOLIERTE KABELSCHUHE* / PER TERMINALI ISOLATI COLORATI / *PARA TERMINAIS ISOLADOS DE CORES* / ДЛЯ ЦВЕТНЫХ ИЗОЛИРОВАННЫХ КОНТАКТОВ

COD.	L (inch)	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g			
62592	7.1/2	22-20-18-16-14	0,644-0,812-1,02-1,29-1,63	0,324-0,52-0,82-1,31-2,08	0,5-0,75-1-1,5-2,5	350	6	●	



PARA CONECTORES COAX-BNC-TNC / *FOR COAX-BNC-TNC CONNECTORS* / POUR CONNECTEURS COAX-BNC-TNC / *FÜR COAX-BNC-TNC VERBINDER* / PER CONNETTORI COAX-BNC-TNC / *PARA CONECTORES COAXIAIS BNC-TNC* / ДЛЯ КОНТАКТОВ COAX-BNC-TNC

COD.	L (inch)	CAP.	g			
62597	9	58, 59,62, 8X | 140, 141, 174 | 210, 223, 303, 400 | FIBER OPTIC BELDEN 8279	550	6	●	



PARA TERMINALES DE TELÉFONO / *FOR PHONE TERMINALS* / POUR TERMINAUX TELEPHONIQUES / *FÜR TELEFONKABEL* / PER TERMINALE TELEFONISTI / *PARA TERMINAIS DE TELEFONE* / ДЛЯ ТЕЛЕФОННЫХ КОНТАКТО

COD.	L (inch)	CAP.	g			
62595	8	4P2C, 4P4C, 6P4C (RJ-11), 6P6C (RJ-12), 8P8C, 10P6C, 10P8C (RJ-45)	500	6	●	



COD.	L (inch)	CAP.	g			
62596	7.1/2	6P4C, 6P6C (RJ-11), 8P8C (RJ-45)	260	6	●	

TIJERAS Y PELACABLES / *SCISSORS AND CABLE STRIPPERS* / CISEAUX ET PINCES À DÉNUDER / *SCHERE UND KABELSTREIFER* / FORBICI E SPELACAVI / *TESOURAS E DESCARNADORES* / НОЖНИЦЫ И КЛЕЩИ ДЛЯ ЗАЧИСТКИ ПРОВОДОВ

PELACABLES AUTOMÁTICO / *AUTOMATIC WIRE STRIPPER* / PINCE À DÉNUDER AUTOMATIQUE / *AUTOMATISCHE ABISOLIERZANGE* / PUNZA SPELAFILI AUTOMATICA / *ALICATE DECAPADOR AUTOMÁTICO* / АВТОМАТИЧЕСКИЙ КАБЕЛЕРЕЗ

COD.	AWG	(mm)	CAP. (mm2)	DIN (mm2)	g		
63865	24-16-14-12	0,511-1,29-1,63-2,05	0,205-1,31-2,08-3,31	0,25-1,5-2,5-4	360	6	63870
63866	18-14-12-10-8	1,02-1,63-2,05-2,59-3,26	0,82-2,08-3,31-5,26-8,37	1-2,5-4-6-10			63871
63867	17-16-14-12-10	1,15-1,29-1,63-2,05-2,59	1,04-1,31-2,08-3,31-5,26	1,25-1,5-2,5-4-6			63872



PELAMANGUERAS / *DISMANTLING TOOL* / OUTIL À DÉGAINER / *ABMANTELUNGSWERKZEUG* / SPELACAVI / *DECAPADOR LINEAR - HELICOIDAL* / ИНСТРУМЕНТ ДЛЯ РАЗБОРКИ

COD.	L (mm)	(mm)	g			
63875	135	4,5-25	130	8	●	63873

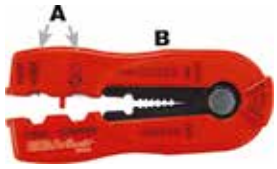


PELACABLES / *CABLE STRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGE* / SPELAFILI / *DECAPADOR DE CABOS* / СТРИППЕР

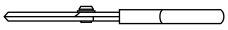
COD.			(mm)		AWG	g
63863	Ø max 9,5 (A)	Ø max 9,5 (A)	0,2-0,8 (B)	1	20-30 (B)	120
63862			0,8-2,6 (B)		10-20 (B)	

Corte longitudinal / *Longitudinal cut* / Coupe longitudinalement

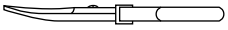
Corte perimetral / *Perimetral cut* / Coupe circulaire



TIJERA ELECTRICISTA / *ELECTRICIAN'S SCISSORS* / CISEAUX ÉLECTRICIEN / *ELEKTRIKERSCHERE* / FORBICI PER ELETTRICISTI / *TESOURA ELETRICISTA* / ЭЛЕКТРИЧЕСКИЕ НОЖНИЦЫ



COD.	L (mm)	g		
69534	145	100	8	●



COD.	L (mm)	g		
69535	145	105	8	●



CORTACABLES / *CABLE CUTTERS* / COUPE-CABLES / *KABELSCHNEIDER* / TAGLIACAVI / *CORTA-CABOS* / КАБЕЛЕРЕЗ

CORTACABLES DE CARRACA / *RATCHET ELECTRICIAN CABLE CUTTER* / COUPE-CABLES A CLIQUETS / *KABELSCHNEIDER MIT RATSCHE* / TAGLIACAVI A CRICCO / *CORTA CABOS DE ROQUETE PARA ELETRICISTA* / КАБЕЛЕРЕЗ ТРЕЩЕТОЧНЫЙ

COD.	L (mm)	O.D. mm	Cu (mm2)	Al (mm2)	g	
62618	590	70	800	1000	3500	1



TENAZAS CORTACABLES / *CABLE CUTTERS* / COUPE-CABLES / *KABELSCHNEIDER* / CESOIE PER CAVI / *TESOURAS CORTA CABOS* / КАБЕЛЕРЕЗЫ

COD.	L (mm)	L (inch)	O.D. mm	Cu/Al (mm2)	g		
62284	150	6	9	63	160	6	●

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para cobre y aluminio / *For copper & aluminum* / Pour cuivre et aluminum



COD.	L (mm)	L (inch)	O.D. mm	Cu/Al (mm2)	g		
62151	250	10	12	63	490	6	●

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para cobre y aluminio / *For copper & aluminum* / Pour cuivre et aluminum



COD.	L (mm)	L (inch)	O.D. mm	Cu/Al (mm2)	Kg	
62164	600	24	14	154	1,7	1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para cobre y aluminio / *For copper & aluminum* / Pour cuivre et aluminum

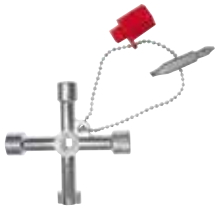
REPUESTOS / *SPARE PARTS* / RECHANGES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	L (mm)	L (inch)		Válido para / *Valid for* / Valable pour
64055	Cuchilla / *Blade* / Lame	600	24		62164



LLAVES PARA ARMARIO / *CABINET KEYS* / CLÉS POUR ARMOIRE / *SCHRANKSCHLÜSSEL* / CHIAVI PER LAVABI / *CHAVE PARA ARMÁRIO* / КЛЮЧИ ДЛЯ ЯЩИКОВ

COD.	L (mm)	mm	mm	mm		mm			g		
65866	44	6/8	9	9	-	1.0 x 7	PH2	1/4"	50	8	●
65867	76	5/6/8							80		



COD.	L (mm)	mm	mm	mm		mm			g		
65868	90	5/7/8	9	-	6/7/8/9	1.0 x 7	PH2	1/4"	75	8	●



PINZAS / *TWEEZERS* / BRUCELLES / *GREIFPINZETTEN* / PINZETTE DI PRECISIONE / *PINÇAS* / ПИНЦЕТЫ

ACERO INOXIDABLE / *STAINLESS STEEL* / INOX / *ACCIAIO INOX* / AÇO INOXIDAVEL / *AÇO INOXIDÁVEL* / ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

COD.	L (mm)	g		
69530	115	15	25	●



COD.	L (mm)	g		
69532	120	15	25	●



COD.	L (mm)	g		
69533	110	15	25	●



COD.	L (mm)	g		
69531	120	15	25	●



SET

COD.	PCS.	g		
69529	4	70	12	●

PCS.	COD. PCS.
1	69530
	69532
	69533
	69531



SET

COD.	PCS.	Dimensiones / *Dimensions* / Dimensions	g
76678	5	320 x 190 x 280	780

1000 V | IEC 60900

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	76607	Alicate universal Mastercut Titacrom® Bimat / *Mastercut Titacrom® Bimat combination plier*	180 mm
	76621	Destornillador electricista Mastertork / *Electrician Mastertork screwdriver*	3 x 100 mm
	76629	Destornillador Phillips® Mastertork / *Phillips® Mastertork screwdriver*	PH-1, 5 x 100 mm
	62493	Alicate para terminales aislados / *For insulated terminals plier*	200 mm
	66074	Buscapolos digital / *Digital voltage tester*	160 mm



COD.	PCS.	Dimensiones / *Dimensions* / Dimensions	g
76679	4	320 x 190 x 280	700

1000 V | IEC 60900

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	76607	Alicate universal Mastercut Titacrom® Bimat / *Mastercut Titacrom® Bimat combination plier*	180 mm
	76621	Destornillador electricista Mastertork / *Electrician Mastertork screwdriver*	3 x 100 mm
	76622		4 x 125 mm
	76629	Destornillador Phillips® Mastertork / *Phillips® Mastertork screwdriver*	PH-1, 5 x 100 mm

NAVAJA / *PENKNIFE* / COUTEAU / *TASCHENMESSER* / COLTELLI / *NAVALHA* / СКЛАДНЫЕ НОЖИ

NEW

COD.	L (mm)	L_1 (mm)	g	
65388	70	92	60	24



COD.	L (mm)	L_1 (mm)	g	
69525	84	111	65	10



COD.	L (mm)	L_1 (mm)	g	
69526	73	120	105	12



HERRAMIENTA PARA BRIDAS / *TOOLS FOR PLASTIC TIES* / PINCES POUR COLLIERS PLASTIQUES / *WERKZEUGE FÜR KUNSTOFFBINDER* / UTENSILE PER FASCETTE / *FERRAMENTA PARA ABRAÇADEIRAS PLÁSTICAS* / ИНСТРУМЕНТ ДЛЯ ПЛАСТИКОВЫХ ХОМУТОВ-СТЯЖЕК

ALICATE AUTOMÁTICO PARA BRIDAS / *AUTOMATIC PLIERS FOR PLASTIC CABLE-TIES* / PINCE POUR COLLIERS PLASTIQUES AUTOMATIQUE / *KABELBINDERZANGE* / SPELAFILI AUTOMATICA / *ALICATE AUTOMÁTICO PARA ABRAÇADEIRAS PLÁSTICAS* / АВТОМАТИЧЕСКИЕ КУСАЧКИ ДЛЯ СВЯЗКИ ПЛАСТИКОВЫХ КАБЕЛЕЙ

COD.	L (mm)	mm	g	
62602	160	2,2-4,8	290	1



CORTABRIDAS / *PLASTIC TIE CUTTER* / PINCE COUPE COLLIERS PLASTIQUES / *KABELBINDER SCHNEIDER* / PINZA TAGLIA FASCETTE IN NYLON / *CORTA-ABRAÇADEIRA* / РЕЗАК ДЛЯ ПЛАСТИКОВЫХ ХОМУТОВ



COD.	L (mm)	g		
63915	150	100	6	●

RCD Nº 2029504 | Modelo registrado / *Registered model* / Modèle enregistré



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Corta bridas sin dañar los cables / *It cuts the ties without damaging the cables* / Il coupe les colliers plastiques sans abîmer les cables

EXPOSITOR / *DISPLAY* / PRÉSENTOIR / *DISPLAY* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

36 PCS.

COD.	PCS.
55644	36

PCS.	COD. PCS.
36	63915



BUSCAPOLOS / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

BUSCAPOLOS / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	L (mm)	mm	V	g		
66073	190	3 x 15	100-250 AC	30	12	●



CLASSIC

COD.	L (mm)	mm	mm	V	g		
66070	140	65	3	100-250 AC	20	12	●



COD.	L (mm)	mm	mm	V	g		
66071	190	100	4	100-250 AC	35	12	●
66069			3,5	90-480 AC	40		

BUSCAPOLOS DIGITAL / *DIGITAL VOLTAGE TESTER* / TESTEUR DIGITAL / *DIGITAL SPANNUNGSPRÜFER* / CERCAFASE DIGITALE / *BUSCA-POLOS DIGITAL* / ЦИФРОВОЙ МЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ

COD.	L (mm)	mm	V	g		
66074	160	3 x 15	0-220 AC/DC	40	4	●



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

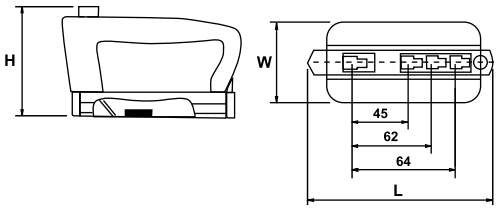
5 niveles de tensión / *5 voltage levels* / 5 niveaux de tension

TESTER ELECTRÓNICO MEDIDOR DE TENSION 2 EN 1 / *ELECTRONIC TESTER 2 IN 1* / TESTEUR ELECTRONIQUE A MESURE DE TENSION 2 EN 1 / *SPANNUNGSPRÜFER ELEKTRONIK, 2 IN 1* / TESTER ELECTRONICO 2 IN 1 / *MEDIDOR DE TENSÃO 2 EM 1* / ЭЛЕКТРОННЫЙ ТЕСТЕР 2 В 1

COD.	L (mm)	V	g		
66075	190	6-380 AC	220	4	●



SACAFUSIBLES / *FUSE HANDLE* / ARRACHE FUSIBLE / *SICHERUNGSGRIFF* / SMONTA FUSIBILI / *SACA-FUSÍVEIS* / СЪЁМНИК ДЛЯ ПРЕДОХРАНИТЕЛЕЙ



COD.	NH (L mm)	Dimensiones / *Dimensions* / Dimensions	g	
63864	NH000 (45) / NH00 (45) / NH0 (62) / NH3 (62) / NH4 (64)	154 x 65 x 93	165	6



SOLDADURA ELÉCTRICA / *SOLDERING* / SOUDURE ÉLECTRIQUE / *ELEKTROSCHWEISSEN* / SALDATURA ELETTRICA / *SOLDADURA ELÉTRICA* / ЭЛЕКТРОСВАРКА

SOLDADOR CILÍNDRICO / *SOLDERING IRON* / SOUDEUR Á L'ÉTAIN / *LÖTKOLBEN* / SALDATORI A STAGNO / *SOLDADOR ESTANHADOR* / ПАЯЛЬНИК

COD.	V	W	°C	L (mm)		g	
63252	220-240V (50-60Hz)	30	300	200	Euro	75	●
63254		60	380	230			
63270	110-130V (50-60Hz)	40	350		American		

CE | 12M



PISTOLA PARA SOLDAR / *SOLDERING IRON GUN* / PISTOLET Á SOUDER / *LÖTPISTOLE* / PISTOLA PER SALDARE / *PISTOLA DE SOLDAR* / ПИСТОЛЕТ ПАЯЛЬНИК

COD.	V	W	°C		g	
63255	220-240V (50-60Hz)	60	380	Euro	75	●

CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con alimentador / *With feeder* / Avec alimentateur

COD.	V	W	Hz	Incluye / *Includes* / Inclus	g	Presentación / *Presentation* / Présentation
63269	220-240V (50-60Hz)	100	50	3 puntas INOX, Rollo estañar, Pasta decapante / *3 tips INOX, Soldering roil, Flux* / 3 lames INOX, Rouleau d'étain, Décapant à coller	1000	Estuche / *Case* / Étui

CE | 12M

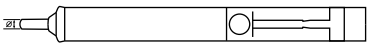


ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Longitud de cable / *Length of cable* / Longueur du câble	1,5 m

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

DESOLDADOR CON BOQUILLA ANTIESTÁTICA / *DESOLDERING PUMP WITH ANTI-STATIC RUBBER NOZZLE* / POMPE À DESSOUDER / *ABLÖTPUMPE MIT ANTI-STATIC GUMMI SPITZE* / POMPETTA PER DISSALDARE / *CHUPA SOLDAS COM BORRACHA ANTI-ESTÁTICA PARA SOLDADURA* / НАСОС ДЛЯ РАСПАЙКИ И АНТИСТАТИЧАСКИМ РЕЗИНОВЫМ НОСИКОМ



COD.	L (mm)	O.D. mm	g	
63256	170	5	55	●



SOPORTE PARA SOLDADOR DE ESTAÑO / *BASE FOR SOLDERING IRON* / SUPPORT POUR SOUDEUR A L'ETAIN / *LÖTKOLBEN HALTER* / SUPPORTO PER SALDATORE / *SUPORTE PARA SOLDADOR DE ESTANHO* / ПОДСТАВКА ДЛЯ ПАЯЛЬНИКА

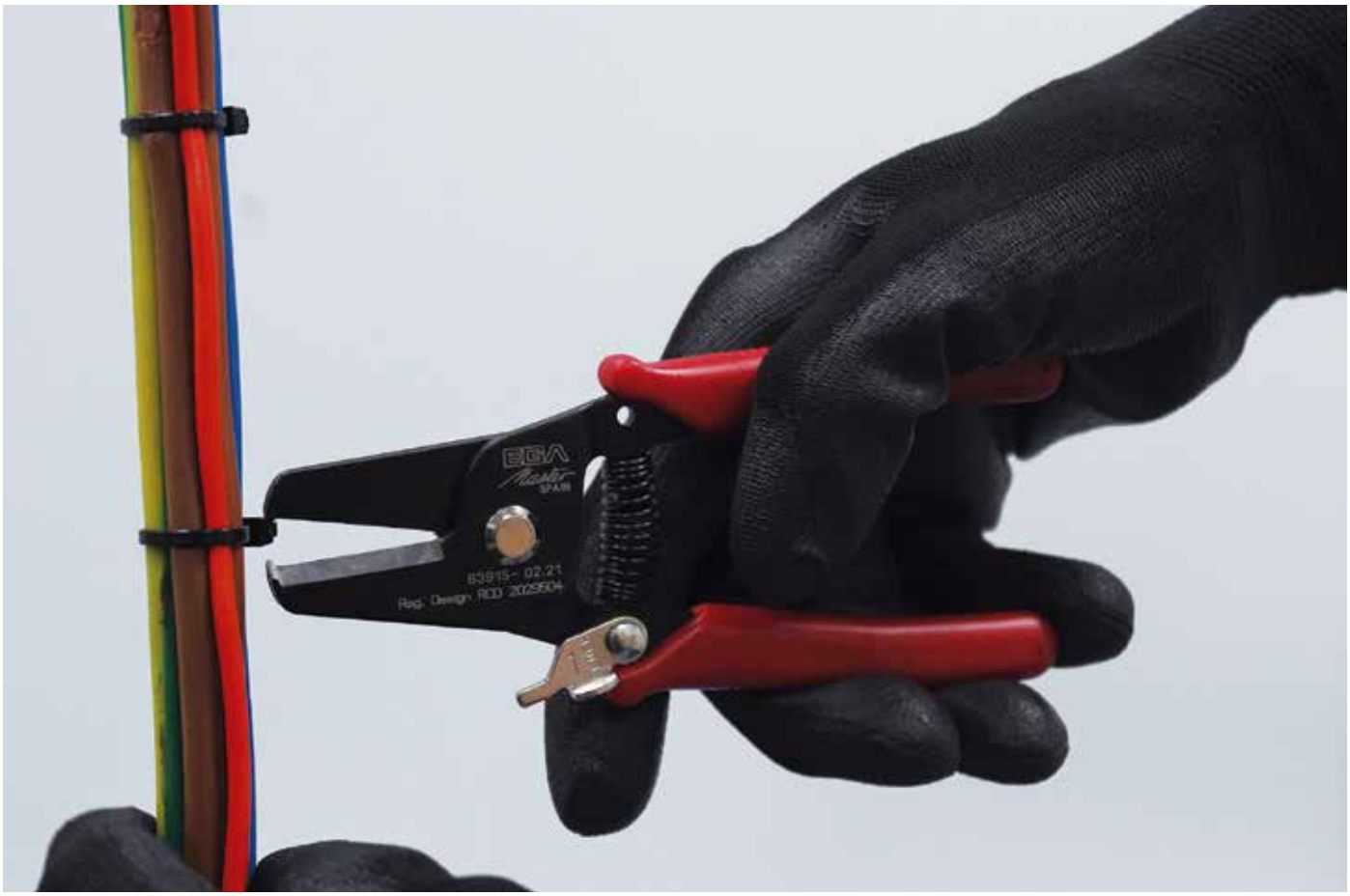
COD.	g	
63257	250	●



ROLLO DE ESTAÑO PARA SOLDAR / *SOLDERING ROLL* / ROULEAU D'ÉTAIN Á SOUDER / *LÖTDRAHT* / ROCCHETTO DI STAGNO PER SALDARE / *ROLO DE ESTANHO PARA SOLDAR* / ПРИПОЙ

COD.	L (m)	Composición / *Composition* / Composition	O.D. mm	g		
63260	62	Sn-0,3Ag-0,7Cu	1,2	500	2	●
63272	110			900		





PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

MINERA CHINALCO / CHINALCO MINING COMPANY / MINIÈRE CHINALCO

CON EGAWARE / WITH EGAWARE / AVEC EGAWARE

PERÚ / PERU / PÉROU







33

1000 V

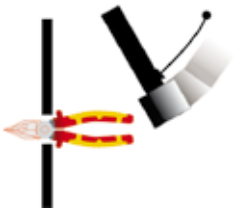


1000 V IEC 60900

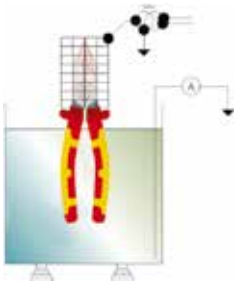
EGA Master ofrece una extensísima colección de herramientas de seguridad aisladas 1000V: alicates, destornilladores, llaves ajustables, cortacables de carraca, pinzas, cuchillos, tenazas, llaves fijas y de estrella, llaves de vaso (con sus correspondientes accesorios y juegos), arcos de sierra, etc.

***EGA Master** offers a huge range of safety 1000V insulated handtools: pliers, screwdrivers, adjustable wrenches, tweezers, knives, sockets, spanners, hacksaws…*

EGA Master offre une vaste gamme d'outils isolés 1000V: pinces, tournevis, clés réglables, brucelles, couteaux, douilles, clés, scies à métaux…



Test de impacto
Impact test
Test d'impact



Test dieléctrico a 10.000V
Dielectric test at 10.000V
Test dielectrique à 10.000V



Test de penetración
Penetration test
Test de penetration



Test de adherencia de mangos
Testing of adhesiveness
Test d'adherence klebtest



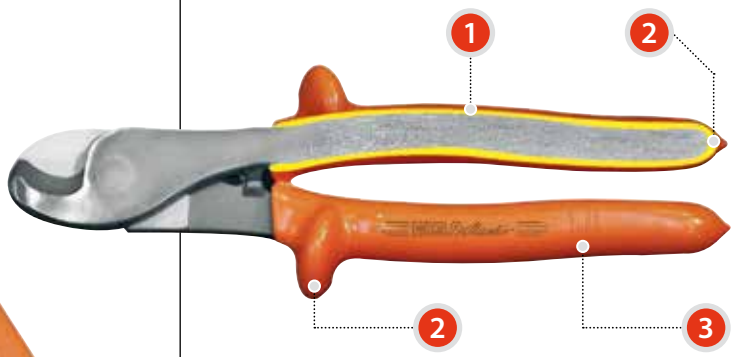
Test de no propagación de llama
Heat resistance test
Test de combustibilite

Las herramientas aisladas de **EGA Master** cumplen con la normativa IEC 60900, siendo sometidas todas ellas al test dieléctrico a 10.000V (es decir, a una intensidad 10 veces mayor de la certificada). Las herramientas son objeto también de los tests de adherencia, penetración dieléctrica, impacto y propagación de llama de acuerdo a la rigurosa norma europea.

***EGA Master** insulated tools comply with IEC 60900 international standard, each one of the pieces being tested at 10,000V (10 times the voltage we certify). They are also tested rigorously according to what the norms establishes: adherence test, impact test, flame propagation test and dielectric penetration test.*

Les outils isolés d'**EGA Master** sont conformes au norme IEC 60900. Chaque pièce est testée à 10.000V (nous certifions 10 fois la tension). Elles sont rigoureusement testées suivant les normes établies: essai d'adhérence, essai au choc, essai de propagation de flamme et essai de pénétration diélectrique.





1

El doble aislamiento de PVC duro-blando ofrece máxima adherencia y seguridad ante posibles imprevistos.

Double hard-soft PVC insulation provides maximum adherence and safety.

La double isolation de PVC Dur-souple offre une adhérence optimale et une sécurité contre les imprévus.

2

Guardamanos y extremidades anti-choque.
Anti-shock guards and ends.
Poignées et extrémités anti-chocs.

3

Marcado láser indeleble.
Un-erasable laser marking.
Marquage Laser indélébile.

PRINCIPALES CAMPOS DE APLICACIÓN
MAIN APPLICATION FIELDS
PRINCIPALES DOMAINES D'APPLICATION

Instaladores eléctricos *Electrical installation* Électriciens	Redes de baja tensión *Low Voltage networks* Réseaux de basse tension
Centrales eléctricas *Power plants* Centrales électriques	Telecomunicaciones *Telecomunications* Télécommunications
Estaciones y subestaciones eléctricas *Electric stations and substations* Stations et subdivisions électriques	Mantenimiento eléctrico *Electric maintenance* Maintenance électrique
Redes de alta tensión *High Voltage networks* Réseaux hautes tensions	Bomberos *Fire-fighters* Pompiers
Instalación y reparación de alumbrado *Lighting installation and repair* Voiries et réseaux divers (VRD)	

NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
TÜVRheinland CERTIFIED
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

PRECAUCIONES
CAUTION
PRÉCAUTIONS

- No emplear nunca la herramienta en aplicaciones bajo tensión si la protección presenta poros, fisuras, elementos incrustados o se ve la capa inferior de color amarillo.
  Don't ever use tools under voltage if they present pores, fissures, encrusted elements or if the yellow insulation layer is visible.
  Ne jamais utiliser l'outillage en tension si la protection semble poreuse, présente des fissures, que des corps étrangers sont incrustés ou que la couche inférieure est jaune.
- Se recomienda emplear suelos aislantes y calzado de seguridad en trabajos bajo tensión.
  Insulating floors and safety shoes are recommended to work under voltage.
  Pour des travaux sous tension, nous recommandons de travailler avec des tapis isolants et des chaussures de sécurité.
- Evite el contacto con agua mientras realice trabajos bajo tensión.
  Avoid contact with water while working under voltage.
  Éviter tout contact avec l'eau lors de réalisation des travaux de sous tension.
- No tocar directamente ninguna pieza susceptible de estar bajo tensión. Emplear un comprobador de tensión o tester.
  Do not ever touch directly any item that may be under voltage. Use a voltage tester to check first.
  Ne jamais toucher directement, une pièce susceptible d'être sous tension.

CERTIFICADO DE HERRAMIENTAS AISLADAS VDE
CERTIFICATE OF VDE INSULATED TOOLS
CERTIFICAT D'OUTILS ISOLÉS VDE



VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

EGA MASTER S.L.
Zorrolleta St. 11
Jundiz Industrial Estate
01015 VITORIA
Spain

ist berechtigt, für ihr Produkt /
is authorized to use for their product
Zange, isoliert
Pliers, insulated

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.

und/oder - and/or — oder/or

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018
DIN EN IEC 60900 Ber. 1 (VDE 0682-201 Ber. 1):2020-11; EN IEC 60900:2018/AC:2020-05

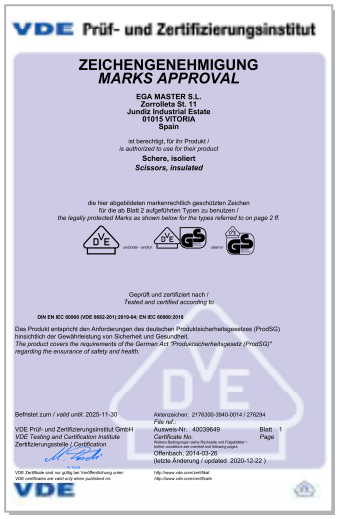
Das Produkt entspricht den Anforderungen des deutschen Produktsicherheitsgesetzes (ProdSG) hinsichtlich der Gewährleistung von Sicherheit und Gesundheit.
The product covers the requirements of the German Act "Produktsicherheitsgesetz (ProdSG)" regarding the ensurance of safety and health.

Befristet zum / *valid until*: 2027-01-31
Aktenzeichen: 2176300-3940-0011 / 290575
File ref.:
VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*
Ausweis-Nr. 40029860 Blatt 1
Certificate No. *Page*
Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages
Offenbach, 2010-04-15
(letzte Änderung / updated 2022-02-28)

J. Richter

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:
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http://www.vde.com/certificate

VDE



VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

EGA MASTER S.L.
Zorrolleta St. 11
Jundiz Industrial Estate
01015 VITORIA
Spain

ist berechtigt, für ihr Produkt /
is authorized to use for their product
Schere, isoliert
Scissors, insulated

Befristet zum / *valid until*: 2025-11-30
Aktenzeichen: 2176300-3940-0014 / 276294
File ref.:
VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*
Ausweis-Nr. 40039649 Blatt 1
Certificate No. *Page*
Offenbach, 2014-03-26
(letzte Änderung / updated 2020-12-22)

VDE



VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

EGA MASTER S.L.
Zorrolleta St. 11
Jundiz Industrial Estate
01015 VITORIA
Spain

ist berechtigt, für ihr Produkt /
is authorized to use for their product
Schraubendreher, isoliert
Screwdriver, insulated

Befristet zum / *valid until*: 2026-05-31
Aktenzeichen: 2176300-3940-0013 / 282757
File ref.:
VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*
Ausweis-Nr. 40039802 Blatt 1
Certificate No. *Page*
Offenbach, 2014-04-22
(letzte Änderung / updated 2021-06-30)

VDE



VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

EGA MASTER S.L.
Zorrolleta St. 11
Jundiz Industrial Estate
01015 VITORIA
Spain

ist berechtigt, für ihr Produkt /
is authorized to use for their product
Schraubendreher, isoliert
Screwdriver, insulated

Befristet zum / *valid until*: 2025-10-31
Aktenzeichen: 2176300-3940-0015 / 276295
File ref.:
VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*
Ausweis-Nr. 40045365 Blatt 1
Certificate No. *Page*
Offenbach, 2016-11-17
(letzte Änderung / updated 2020-11-24)

VDE



VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

EGA MASTER S.L.
Zorrolleta St. 11
Jundiz Industrial Estate
01015 VITORIA
Spain

ist berechtigt, für ihr Produkt /
is authorized to use for their product
Isolierter Schraubenschlüssel
Insulated wrench

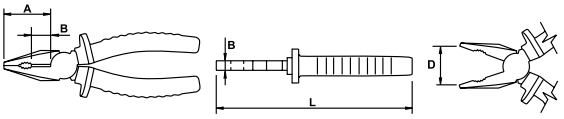
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VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*
Ausweis-Nr. 40039646 Blatt 1
Certificate No. *Page*
Offenbach, 2014-03-26
(letzte Änderung / updated 2020-11-19)

VDE

ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

TITACROM® BIMAT 1000V

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ





COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76582		165	36	15	10	38	3	2	1,5	240	6	●
76583		180	38	14	11	41	3,5	2,2		280		
76584		200	43	17	12	50	4	2,5	2	330		

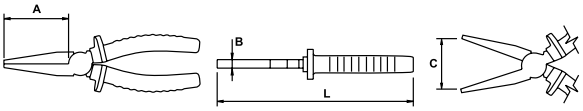
TITACROM® BIMAT 1000V | IEC 60900 | DIN 5746

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ





COD.		L (mm)	A (mm)	B (mm)	C (mm)	g		
76589		160	55	8,5	40	170	6	●

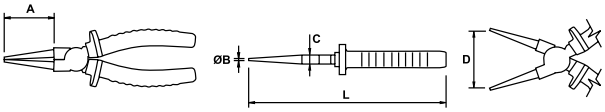
TITACROM® BIMAT 1000V | IEC 60900 | DIN 5745

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ





COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
76590		160	41	2	10	39	160	6	●

TITACROM® BIMAT 1000V | IEC 60900 | DIN 5745

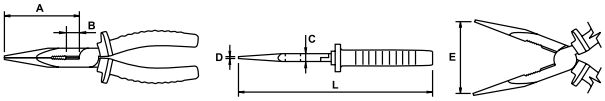
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	mm	mm	mm	g		
76591	VDE	160	48	12	9,5	2,3	50	2,5	1,6	1	170	6	●
76592		200	70	14	10,5	2,6	80	3,2	2,2	1,5	210		



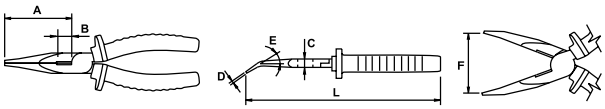
TITACROM® BIMAT 1000V | IEC 60900 | DIN 5745

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (°)	F (mm)	mm	mm	mm	g		
76593	VDE	160	41	12	9,0	2,7	32	47	2,5	1,6	1	160	6	●
76594		200	65	14	11	3,3		70	3,2	2,2	1,5	210		



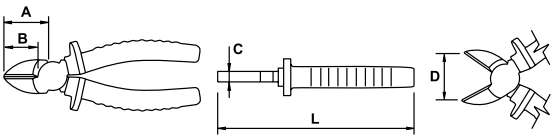
TITACROM® BIMAT 1000V | IEC 60900 | DIN 5745

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76595	VDE	160	25	20	10	25	3	2,2	1,5	205	6	●
76596		190	32	26	11	29	3,2	2,5	2	250		



TITACROM® BIMAT 1000V | DIN 5749 | IEC 60900

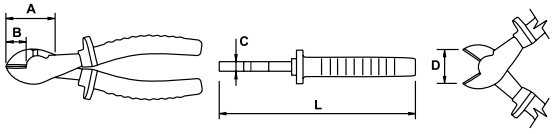
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76597	VDE	180	43	21	11	25	3,2	2,5	2	350	6	●
76598		200	48			21	3,5	2,7	2,2	380		



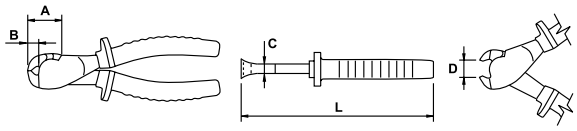
TITACROM BMAT 1000 V | IEC 60900 | DIN 5749

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76599	VDE	160	27	9	11	9	3	2,5	2	250	6	●



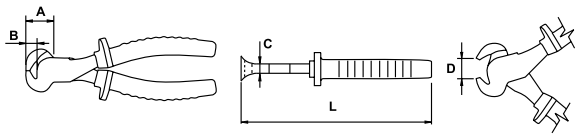
TITACROM BMAT 1000 V | IEC 60900 | DIN 5748

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE FRONTAL ELECTRICISTA / *END CUTTING NIPPER (ELECTRICIAN)* / COUPANTES DEVANT ELECTRICIEN / *ELEKTRIKER VORSCHNEIDER* / TAGLIO FRONTALE PER ELETTRICISTI / *CORTE FRONTAL ELETRICISTA* / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76600	VDE	160	20	9	11	19	3	2,3	2	250	6	●
76602		200	22	11	14		3,5	2,8		410		



TITACROM BMAT 1000 V | IEC 60900 | DIN 5748

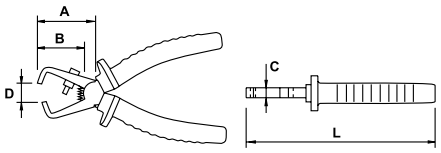
Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	O.D. mm	g		
76603	VDE	160	44	37	9	21	0,5-6	170	6	●



TITACROM® BIMAT 1000V | IEC 60900 | DIN 5743

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

KITS



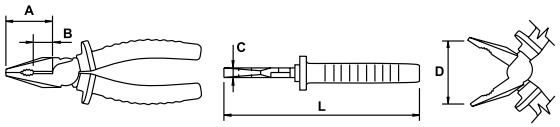
COD.	PCS.	
76604	3	A
76605		B

TITACROM® BIMAT

PCS.	COD. PCS.	
1	76607	180 mm
	76616	160 mm
	76603	

MASTERCUT TITACROM® BIMAT 1000V

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76606	-	165	35	14	10	39	3,5	2,5	2	220	6	●
76607	VDE	180	40	16	11	50	4			230		
76609		210	44	19		60	4,5	2,8	2,2	280		

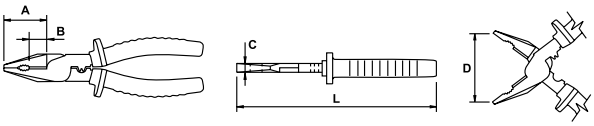


TITACROM® BIMAT 1000V | IEC 60900 | DIN 5746

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76611	235	43	19	13	55	5	3	2,5	380	6	●

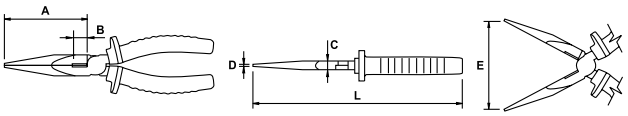


TITACROM BIMAT 1000V | IEC 60900 | DIN 5746

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	mm	mm	mm	g		
76612	VDE	160	55	11	9,5	2,5	46	3	2	1,5	170	6	●
76613		200	75	15		3	70	3,5	2,5	2	210		

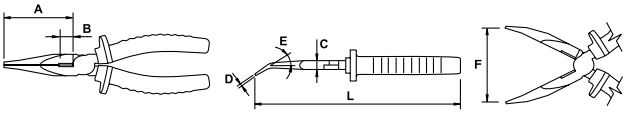


TITACROM BIMAT 1000V | IEC 60900 | DIN 5745

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (°)	F (mm)	mm	mm	mm	g		
76614	160	50	13	9,5	3	32	41	3	2	1,5	170	6	●
76615	200	75	14				90	3,5	2,5	2	210		



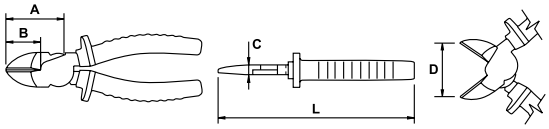
TITACROM BIMAT 1000V | DIN 5745 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76616	160	37	23	11	35	3	2,5	2	210	6	●
76617	190	40	25		29	3,5	2,7	2,2	250		

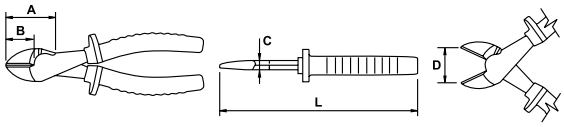


TITACROM® BiMAT 1000 V | DIN 5749 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	mm	mm	mm	g		
76618	180	40	21	12	24	3,5	2,7	2,2	350	6	●
76619	200				22	4	3	2,5	380		



TITACROM® BiMAT 1000 V | DIN 5749 | IEC 60900

Modelo registrado / *Registered model* / Modèle enregistré

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

ALICATE DE PRESIÓN / *PRESSURE PLIER* / PINCE DE PRÉHENSION / *KLEMMZANGE* / PINZA A PRESSIONE / *ALICATE TIPO UNIVERSAL ISOLADO* / СЖИМАЮЩИЕ КЛЕЩИ

COD.	L (mm)	g
73248	200	90



1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Para el montaje y bloqueo de contadores / *For meter assembly and meter blocking* / Conçue pour le montage et le verrouillage des compteurs

ALICATES AISLANTES CON ZONA DE CORTE / *INSULATING COMPOSITE CUTTING PLIERS* / PINCES ISOLANTES AVEC ZONE DE COUPE / *ARBEITSKOPFBSCHICHTETE ZANGEN* / PINZE ISOLATI CON ZONA DI TAGLIO / *ALICATE DE CORTA ISOLADO EM COMPOSITE* / ИЗОЛИРОВАННЫЕ КОМПОЗИТНЫЕ ПЛОСКОГУБЦЫ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	L (mm)	Cu (mm2)	g
36779	210	16	170



1000 V | IEC 60900

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

BOCAS SEMI-REDONDAS / *HALF ROUND NOSE* / TÊTES DEMI-RONDES / *LANGBECK-FLACHZANGE* / BECCHI MEZZI TONDI / *BOCAS SEMI-REDONDAS* / ЗАКРУГЛЕННЫЕ ГУБКИ

COD.	L (mm)	Cu (mm2)	g
36780	235	16	180

1000 V | IEC 60900



BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ

COD.	L (mm)	Cu (mm2)	g
36781	220	16	175

1000 V | IEC 60900



CORTACABLES / *CABLE-CUTTER* / COUPE CÂBLES / *KABELSCHNEIDER* / TAGLIACAVI / *CORTA-CABOS* / КАБЕЛЕРЕЗ

COD.	L (mm)	Cu (mm2)	g
36778	185	25	250

1000 V | IEC 60900



GRAPA / *INSULATING CLAMP* / AGRAFE / *KLEMMZANGE ISOLIERT* / MORSETTO ISOLATO / *GRAMPO ISOLADO* / ИЗОЛИРОВАННЫЕ КЛЕЩИ

COD.	L (mm)	Capacidad de agarre (mm) / *Clamping capacity (mm)* / Capacité d'adhérence (mm)	g
73249	150	15	75

1000 V | IEC 60900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para sujeción de las mantas aislantes / *For holding insulating mats in place* / Pour fixer des nappes isolantes

ELECTRICIDAD / *ELECTRICIAN TOOLS* / OUTILLAGE D'ÉLECTRICIEN / *ELEKTRIKERMESSEER* / FERRAMENTI PER ELETTRICISTI / *ELECTRICIDADE* / ИНСТРУМЕНТ ДЛЯ ЭЛЕКТРИКА

ALICATE PARA UNIÓN DE CABLES AISLADOS Y NO AISLADOS / *PLIER FOR CABLE LINKS INSULATED & NON INSULATED* / PINCE POUR UNION DE CABLES ISOLES ET NON ISOLES / *ZANGE FÜR ISOLIERTE UND NICHT ISOLIERTE KABELSCHUHE* / PINZE PER UNIRE CAVI ISOLATI E NON ISOLATI / *ALICATE PARA UNIÃO DE CABOS ISOLADOS E NÃO ISOLADOS* / КЛЕЩИ ДЛЯ ИЗОЛИРОВАННЫХ И НЕИЗОЛИРОВАННЫХ КОНТАКТОВ

COD.	L (mm)	CAP. (mm2)	g		
73257	230	0,75-6	250	6	●



TIJERAS / *TIN SNIPS* / CISAILLES / *BLECHSCHERE* / FORBICI / *TESOURAS* / НОЖНИЦЫ ДЛЯ ЖЕСТИ

COD.		L (mm)	g	
79057	VDE	160	100	●

1000 V | IEC 60900



COD.		L (mm)	g	
79058	VDE	160	100	●

1000 V | IEC 60900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Muesca pequeña / *Small breach* / Petite brèche

Blando / *Soft* / Tendre **20 Kg/mm²** | Medio / *Medium* / Moyen **75 Kg/mm²** | Duro / *Hard* / Dur **180 Kg/mm²** | Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

COD.		L (mm)	g	
79059		160	100	●

1000 V | IEC 60900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Muesca grande / *Big breach* / Grande brèche

CORTACABLES DE CARRACA / *RATCHET ELECTRICIAN CABLE CUTTER* / COUPE-CABLES À CLIQUET / *KABELSCHNEIDER MIT RATSCHE* / TAGLIACAVI CRICCO PER ELETTRICI / *CORTA CABOS DE ROQUETE PARA ELETRICISTA* / КАБЕЛЕРЕЗЫ С ТРЕЩЕТОЧНЫМ МЕХАНИЗМОМ

COD.	L (mm)	Cu (mm2)	Al (mm2)	O.D. mm	g	
73010	260	240	300	32	600	3
73011	380	400	600	52	800	6

1000 V | IEC 60900



COD.	L (mm)	Cu (mm2)	Al (mm2)	O.D. mm	g	
73504	500	800	1000	70	3700	1

1000 V | IEC 60900



PELACABLES / *CABLE STRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGE* / SPELACAVI / *DECAPADOR DE CABOS* / СТРИППЕР

COD.	L (mm)	O.D. mm	Espesor / *Thickness* / Épaisseur	g
73088	245	25-45	2	550

1000 V | IEC 60900



PELACABLES PARA CABLES XLPE / *WIRE STRIPPER FOR XLPE CABLES* / PINCE À DÉNUDER POUR CÂBLES XLPE / *ABISOLIERZANGE FÜR VPE-KABEL* / SPELAFILI PER CAVI XLPE / *ALICATE DESCARNADOR PARA XLPE* / КЛЕЩИ ДЛЯ СНЯТИЯ ИЗОЛЯЦИИ С КАБЕЛЕЙ XLPE

COD.	L (mm)	g
62121	280	670

1000 V | IEC 60900



PINZAS / *TWEEZERS* / BRUCELLES / *GREIFPINZETTEN* / PINZETTE DI PRECISIONE / *PINÇAS* / ПИНЦЕТЫ

COD.	L (mm)	g		
73040	130	15	12	●

1000 V | IEC 60900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Boca fina / *Neat Tips* / Becs Fins

COD.	L (mm)	g		
73041	150	15	12	●

1000 V | IEC 60900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

45°

CUCHILLOS / *KNIVES* / COUTEAUX / *MESSER* / COLTELLI / *FACA* / НОЖИ

COD.	L (mm)	mm	g	
73035	170	50	110	12

1000 V | IEC 60900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Recto / *Straight* / Droit

COD.	L (mm)	mm	g	
73036	180	30	100	12

1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Curvo / *Curved* / Coudé



COD.	L (mm)	mm	g	
74990	190	50	100	12

1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Curvo / *Curved* / Coudé

Cuchilla curva con punta especial para pelar cables de forma segura / *Curved blade with special bit for cable stripping* / Avec une pointe spéciale afin de dénuder les câbles de façon sûre



BOQUILLAS ENCHUFABLES / *PLASTIC SLIP-ON CLAPS* / EMBOUTS DE SÉCURITÉ / *KUNSSTOFF-ÜBERZIEH-GRIFFE* / UGELLI SLIP-STOP / *PROTECTORES DE ENCAIXE PARA CABO* / ПЛАСТИКОВЫЕ РУКОЯТКИ

COD.	L (mm)	Conductor / *Drive* / Conducteur	I.D. mm	g
73277	100	1 #	10	10
73278		2 #		
73279		3 #		



1000 V | IEC 60900 | DIN VDE 0680/1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para protección contra puntas desnudas de cables en tensión / *To cover bare live cable ends* / Protège contre le contact avec des conducteurs dénudés sous tension

BOQUILLAS DE AUTOFIJACIÓN / *SELF CLAMPING SLIP-ON CLAPS* / EMBOUTS DE SÉCURITÉ AUTOBLOQUANTS / *SELBTSKLEMMENDE KUNSTSTOFF-ÜBERZIEH-GRIFFE* / UGELLI AUTOBLOCCANTI / *PROTECTORES DE ENCAIXE AUTOMÁTICO PARA CABO* / ПЛАСТИКОВЫЕ РУКОЯТКИ САМОФИКСИРУЮЩИЕСЯ

COD.	L (mm)	I.D. mm	g
73287	80	10	7



1000 V | IEC 60900 | DIN VDE 0680/1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para protección contra puntas desnudas de cables en tensión / *To cover bare live cable ends* / Protège contre le contact avec des conducteurs dénudés sous tension

COD.	L (mm)	I.D. mm	g
73288	100	20	24



1000 V | IEC 60900 | DIN VDE 0680/1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para protección contra puntas desnudas de cables en tensión / *To cover bare live cable ends* / Protège contre le contact avec des conducteurs dénudés sous tension

COD.	L (mm)	I.D. mm	g
73289	110	30	38



1000 V | IEC 60900 | DIN VDE 0680/1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para protección contra puntas desnudas de cables en tensión / *To cover bare live cable ends* / Protège contre le contact avec des conducteurs dénudés sous tension

TENAZAS / *PINCERS* / TENAILLES / *ZANGE* / TENAGLIE / *ALICATES* / КЛЕЩИ

DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / ШАРНИРНЫЕ

COD.	L (inch)	g		
73004	10	450	6	●
73005	12	600		

1000 V | IEC 60900



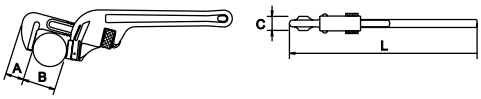
PICO DE LORO / *GROOVE JOINT* / MULTIPRISE À CRÉMAILLÈRE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / С ЖЕЛОБКОВЫМ МЕХАНИЗМОМ

COD.	L (inch)	g		
73001	10	450	6	●
73012	12	720		

1000 V | IEC 60900



LLAVE HEAVY DUTY CURVA / *OFFSET HEAVY DUTY PIPE WRENCH* / CLÉ SERRE-TUBES HEAVY DUTY COUDEE / *GEKRÖPFTE ROHRZANGE* / GIRATUBI MODELLO AMERICANO CURVO / *CHAVE HEAVY DUTY INCLINADA* / ИЗОГНУТЫЕ ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК



COD.	L (inch)	A (mm)	B (inch)	C (mm)	Kg		
76758	8	16	1	20	0,4	6	●
76759	10	20	1.1/2	23	0,9		
76760	12	22	2	26	1,4		
76761	14	25		29	1,6	5	
76762	18	27	2.1/2	33	2,4	3	-

1000 V | IEC 60900



TENAZAS CORTACABLES / *CABLE CUTTERS* / COUPE-CÂBLES / *KABELSCHNEIDER* / CESOIE PER CAVI / *TESOURAS CORTA CABOS* / КАБЕЛЕРЕЗЫ

COD.	L (mm)	L (inch)	O.D. mm	Cu/Al (mm2)	g		
76147	150	6	6,7	35	180	6	●

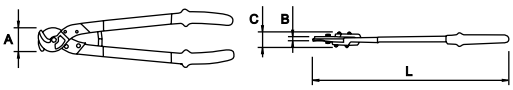
1000 V | IEC 60900



COD.	L (mm)	L (inch)	O.D. mm	Cu/Al (mm2)	g		
73008	250	10	9	63	500	6	●

1000 V | IEC 60900





COD.	L (mm)	L (inch)	O.D. mm	A (mm)	Cu/Al (mm2)	B (mm)	C (mm)	g	
73009	600	24	14	70	154	16	55	1850	1

1000 V | IEC 60900



CORTAVARILLAS / *BOLT CUTTERS* / COUPE-BOULONS / *BOLZENSCHNEIDER* / TAGLIABULLONI / *CORTA VARÃO* / АРМАТУРНЫЕ НОЖНИЦЫ

COD.	L (inch)	CAP 50 kg/mm² 140 kg/mm²	Kg	
73020	18	8-6	1,7	1
73021	24	10-8	2,7	

1000 V | IEC 60900



CORTATUBOS PARA TUBO DE PLÁSTICO / *PLASTIC PIPE CUTTER* / COUPE-TUBE PLASTIQUE / *KUNSTSTOFFROHRSCHERE* / CESOIA PER TUBI DI PLASTICA / *TESOURA PARA TUBO DE PLASTICO* / ТРУБОРЕЗ ДЛЯ ПЛАСТИКА

PIRAINA®

COD.	O.D. mm	g			V
76145	64	600	5	●	64752

1000 V | IEC 60900



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES

Válido para / *Valid for* / Valable pour	KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER

CORTABRIDAS / *PLASTIC TIE CUTTER* / PINCE COUPE COLLIERS PLASTIQUES / *KABELBINDER SCHNEIDER* / PINZA TAGLIA FASCETTE IN NYLON / *CORTA-ABRAÇADEIRA* / РЕЗАК ДЛЯ ПЛАСТИКОВЫХ ХОМУТОВ

COD.	L (mm)	g		
73042	150	100	6	●

1000 V | IEC 60900 | RCD Nº 2029504



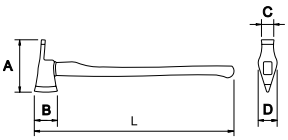


CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Corta bridas sin dañar los cables / *It cuts the ties without damaging the cables* / Il coupe les colliers plastiques sans abîmer les cables

CORTE / *CUTTING* / OUTILS COUPANTS / *SCHNEIDWERKZEUG* / ARCHETTI / *CORTE* / РЕЗКА

HACHA AZADA / *HOE AXE* / HACHE HOUE / *WIEDEHOPFHACKE* / ASCIA A ZAPPA / *MACHADO ENXADA* / ТОПОР МОТЫГА



COD.	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg	
67243	910	310	110	80	29	2,8	6



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

ARCO DE SIERRA / *HACK SAW* / MONTURE DE SCIE À METAUX / *METALLSÄGEN GEBOGEN* / ARCHETTI / *ARCO DE SERRA* / НОЖОВКА

COD.	inch	mm	g	
73029	6	150	500	1

1000 V | IEC 60900



COD.	inch	mm	g	
73030	12	300	800	1

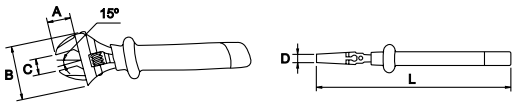
1000 V | IEC 60900



NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

LLAVES AJUSTABLES / *ADJUSTABLE WRENCHES* / CLÉS À MOLETTE / *ROLLGABELSCHLÜSSEL* / CHAVI REGOLABILI A RULLINO / *CHAVES AJUSTAVELS* / РАЗВОДНЫЕ КЛЮЧИ

TITACROM®

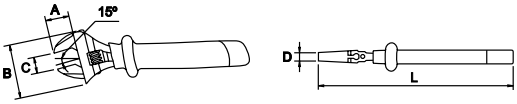


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
76550	6	150	20	47	19	6,5	200	4	●
76551	8	200	25	55	24	7	360		
76552	10	250	30	70	29	8,5	600		
76553	12	300	35	85	33,5	10	950		



TITACROM® 1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ

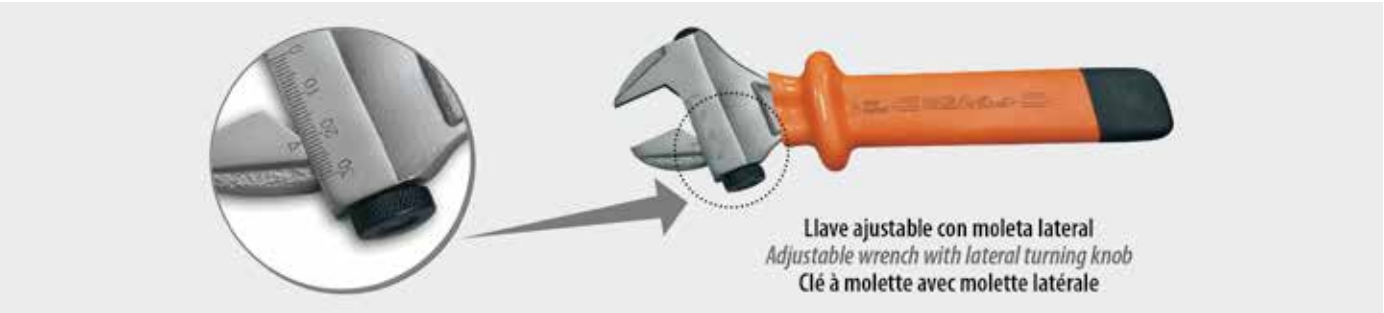


COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
76554	6	150	20	47	19	6,5	195	4	●
76555	8	200	25	55	24	7	370		
76556	10	250	30	70	29	8,5	650		
76557	12	300	35	85	33	10	1050		

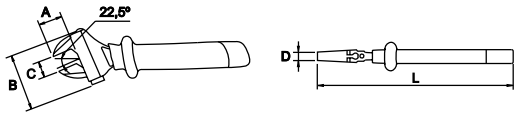


1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

MOLETA LATERAL / *LATERAL NUT* / MOLETTE LATÉRALE / *MIT SCHNECKENROLLE* / RULLINO LATERALE / *MOLETA LATERAL* / РИГУЛИРОВОЧНАЯ ШАЙБА



TITACROM®



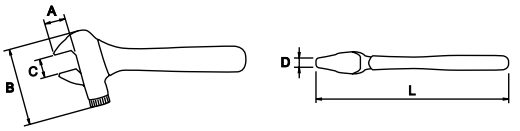
COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
76578	6	150	20	55	19	8,5	200	4	●
76580	10	250	30	80	29	11	600		
76581	12	300	36	95	33	12	1000		



TITACROM® 1000 V | IEC 60900

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

1000V



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
79470	8	200	25	95	29	11	370	1	●
79471	10	250	32	105	33		620		
79472	12	300	40	120	38	14	1000		



1000 V | IEC 60900

LLAVES / *WRENCHES* / CLÉS / *SCHLÜSSEL* / CHIAVI / *CHAVES* / КЛЮЧИ

FIJA DE UNA BOCA / *SINGLE ENDED OPEN JAW SPANNER* / À FOURCHE / *EINMAULSCHLÜSSEL* / FISSE SEMPLICE / *FIXA DE UMA BOCA* / ОДНОРОЖКОВЫЙ КЛЮЧ

MM



COD.		AF mm	L (mm)	g		
73086	-	5,5	90	15	10	●
73060		6				
73061		7	100	20		
73062		8	105			
73063		9	120	25		
73064	VDE	10	125	30		
73065	-	11	133	35		
73066		12	142			
73067	VDE	13		45		
73068		14		55		
73069		15				
73070	-	16	164	60		
73071	VDE	17	165	70		
73072	-	18	176	80		
73073	VDE	19		95		
73074	-	20	201	100		
73075		21		185		
73076	VDE	22		150	5	
73078	-	23	226	160		
73077	VDE	24		185		
73079		27	246	230		
73080	-	28		270		
73081		29	266	300		
73082		30		350		
73083	VDE	32	281	370		

1000 V | IEC 60900

INCH



COD.	AF inch	L (mm)	g		
73043	1/4	90	30	10	●
73044	9/32	110			
73045	5/16				
73046	3/8	127	40		
73047	7/16	135	45		
73048	1/2	147	55		
73049	9/16		75		
73050	5/8	166	100		
73051	11/16		120		
73052	3/4	176	130		
73053	13/16		180	5	
73054	7/8	200	190		
73055	15/16	226	220		
79483	1	250	350		
79484	1.1/8	266	450		
79485	1.1/4	281			

1000 V | IEC 60900

KIT DEMO 6 LLAVES / *6 SPANNER DEMO KIT* / KIT DÉMO. 6 CLÉS / *DEMOKIT 6 SCHLÜSSEL* / KIT 6 CHIAVI DI DIMOSTRAZIONE / *KIT DEMO 6 CHAVES* / ДЕМО НАБОР ИЗ 6 КЛЮЧЕЙ

COD.	g
69342	300



COD. PCS.		mm
61727	Aerospacial / *Aerospatial*	8
38092	INOX	
73062	1000V	
70172	Cu-Be	
70684	Al-Bron	
71669	Titanio / *Titanium*	

LLAVE DE ESTRELLA ACODADA UNA BOCA / *OFFSET RING WRENCH* / CLÉ POLYGONALE CONTRE-COUDÉE / *GEKRÖPFTE RINGSCHLÜSSEL* / CHIAVE POLIGONALE AD UNA BOCCA / *CHAVE DE LUNETA INCLINADA* / КЛЮЧ ИЗОГНУТАЯ ЗВЕЗДОЧКА

MM



COD.		AF mm	L (mm)	g		
73090	-	6	140	50		
73091	-	7	145			
73092		8	150	55		
73093		9	155	75		
73094		10	160	80		
73095		11	170	90		
73096	-	12	180	100		
73097		13		105		
73098		14	190	130		
73099		15	200	140		
73100	-	16		150	10	
73101		17	210	160		
73102	-	18	220	210		
73103		19		230		
73105	-	21	240	280		
73106		22	250	300		•
73107	-	23	260	320		
73108		24		350		
73109	-	26	300	550		
73110		27	310			
73111	-	28		600		
73112	-	29				
73113		30	330	650	5	
73114		32				
73115		36				
73116		38	350	1100		
73117		41	380	1150		
73118	-	42	400			
73119		46	440	1200		
73104		50	460	1300		

1000 V | IEC 60900

INCH

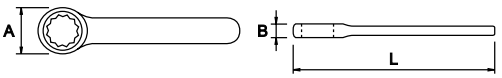


COD.	AF inch	L (mm)	g		
73347	1/4	140	50		
73348	5/16	150	75		
73349	3/8	160	85		
73350	7/16	170	95		
73351	1/2	180	125		
73352	9/16	190	165	10	
73353	5/8	200	190		
73354	11/16	220	210		•
73355	3/4		250		
73356	13/16	240	320		
73357	7/8	250	340		
73358	15/16	260	390		
73359	1	270	450		
73360	1.1/16	280	500	5	
73361	1.1/8	290	550		
73363	1.1/4	305	600		

1000 V | IEC 60900

LLAVE DE ESTRELLA DE CARRACA PLANA / *RING RATCHET* / POLYGONALE À CLIQUET / *KNARRE RINGSCHÜSSEL* / CHIAVE POLIGONALE PIATTA CON CRICCO / *CHAVE DE LUNETA COM ROQUETE PLANA* / ЗВЕЗДОЧКА С ТРЕЩЕТКОЙ

MM

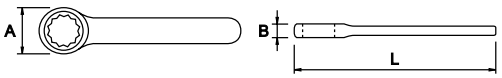




COD.	AF mm	L (mm)	A (mm)	B (mm)	g		
73145	10	136	25	13	60	6	●
79423	11	140	26	14	65		
79424	12	147	29	15	75		
73147	13	152	31		95		
79425	14	160	32	16			
79426	15	165	34	17	120		
79427	16	170	36		135		
73150	17	190	38		150		
79428	18			18	175		
73152	19	210	39		190		

1000 V | IEC 60900

INCH



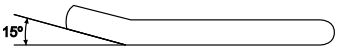


COD.	AF inch	L (mm)	A (mm)	B (mm)	g		
76020	1/2	152	29	14	100	6	●
79429	9/16	165	32	16	103		
76032	5/8	170	34	17	140		
76023	11/16	180	36	18	170		
79430	3/4	205	39		209		
79431	7/8	235	47	20	289		

1000 V | IEC 60900

LLAVE DE ESTRELLA INCLINADA UNA BOCA / *ANGLE RING WRENCH* / CLÉ POLYGONALE DROITE / *GEBOGEN RINGSCHLÜSSEL* / CHIAVE A STELLA INCLINATA / *CHAVE LUA* / КЛЮЧ ЗВЕЗДОЧКА ИЗОГНУТАЯ

MM

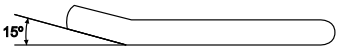




COD.	AF mm	L (mm)	g		
73120	8	90	25	10	●
73121	9	100	30		
73122	10	110	40		
73123	11	115	50		
73124	12	125	60		
73125	13	135	80		
73126	14	140	95		
73127	15	145	110		
73128	16	150	125		
73129	17	160	135		
73130	18	170	145		
73131	19	175	175		
73133	21	185	210		
73134	22	195	240		
73135	23	210	250		
73136	24	230	275		

1000 V | IEC 60900

INCH





COD.	AF inch	L (mm)	g		
73160	5/16	90	25	10	●
73189	3/8	110	40		
73190	7/16	115	50		
73191	1/2	135	80		
73192	9/16	140	95		
73198	5/8	150	125		
73199	11/16	170	145		
73200	3/4	175	175		
73201	7/8	195	240		
73202	15/16	230	275		
79486	1	245	290	5	
79487	1.1/8	300	460		
79488	1.1/4	320	600		

1000 V | IEC 60900

LLAVES DE PIPA ABIERTAS / *ANGLED OPEN SOCKETS* / CLÉS À PIPE DEBOUCHEES / *PFEIFFENKOPFSCHLÜSSEL* / CHIAVI A PIPA APERTE / *CHAVE DE CACHIMBO ABERTAS* / ГОЛОВКА С РУКОЯТКОЙ ПОД 90 ГРАДУСОВ

MM



COD.	AF mm	L (mm)	g		
73203	8	110	45		
73204	9		60		
73205	10	125	85		
73206	11	135	100		
73207	12	145	130		
73208	13	155	160		
73209	14	165	185		
73210	15	170	220	5	
73211	16	175	230		
73212	17	180	280		
73213	18	190	330		
73214	19	195	430		
73215	20	210	460		•
73216	21	220	500		
73217	22	240	650		
73218	23	260	700		
73219	24	270	750		
73220	25	290	800		
73221	26		1000		
73222	27	300	1100	1	
73223	28	320	1150		
73224	29	330	1300		
73225	30	350	1150		
73226	32				

1000 V | IEC 60900

LLAVE DE TUBO MANGO EN T / *T HANDLE WRENCH* / CLÉ EN T / *T-GRIFF SCHLÜSSEL* / CHIAVE A TUBO CON IMPUGNATURA A T / *CHAVES T TUBOLARES* / ГОЛОВКА С РУКОЯТКОЙ Т

MM



COD.	AF mm	L (mm)	g		
73170	6	125	70		
73171	7	135	85		
73172	8		95		
73173	9		120		
73174	10		140		
73175	11		175		
73176	12		185		
73177	13		220		
73178	14		260		
73179	15		275	10	•
73180	16	150	290		
73181	17		300		
73182	18		330		
73183	19		360		
73184	20		370		
73185	21		420		
73186	22	135	430		
73187	23	150	440		
73188	24		450		

1000 V | IEC 60900

EN CRUZ / *CROSS RIM WRENCH* / CLÉ EN CROIX / *KREUZSCHLÜSSEL* / CHIAVE A CROCE / *CHAVE DE CRUZETA* / КРЕСТООБРАЗНЫЙ КЛЮЧ

COD.	AF mm	g		
73167	8-10-12-14	330	6	●

1000 V | IEC 60900



LLAVES HEXAGONALES / *HEXAGONAL KEYS* / CLÉS MÂLES / *WINKELSCHRAUBENDREHER* / CHIAVI ESAGONALI / *CHAVES HEXAGONAIS* / ШЕСТИГРАННЫЕ КЛЮЧИ

MM



COD.	AF mm	g		
73155	3	16		
73156	4	30		
73157	5	42	10	●
73158	6	55		
73159	8	100		

1000 V | IEC 60900

INCH



COD.	AF inch	g		
73025	1/8	20		
73026	3/16	30		
73027	7/32	50	10	●
73028	15/64	55		
73037	5/16	100		

1000 V | IEC 60900

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM



COD.	AF mm	L (mm)	g		
79388	1,5	65	3		
79389	2	80	5		
79394	2,5	90	6		
79370	3	100	15		
79371	4	110	25		
79372	5	125	35	10	●
79373	6	145	50		
79374	8	165	90		
79375	10	185	160		
79376	12	205	300		

1000 V | IEC 60900

INCH



COD.	AF inch	L (mm)	g		
79377	1/8	100	15		
79378	9/64	105	18		
79379	5/32	110	20		
79380	3/16		30		
79381	7/32	130	40		
79382	1/4	140	60	10	●
79383	5/16	155	90		
79384	3/8	175	150		
79385	7/16	195	250		
79386	1/2	215			
79387	5/8	255	400		

1000 V | IEC 60900

LLAVES HEXAGONALES EN T / *T HEXAGONAL KEYS* / CLÉS MÂLES EN T / *T-INBUSSCHLÜSSEL* / CHIAVI ESAGONALI A T / *CHAVES HEXAGONAIS EM T* / Т-ОБРАЗНЫЕ КЛЮЧИ ДЛЯ ШЕСТИГРАННИКОВ

MM

COD.	AF mm	L (mm)	g		
79390	5	120 x 90	185	10	●
79391	6				
79392	8		245		
79393	10		325		



1000 V | IEC 60900

APRIETE CONTROLADO / *CONTROLLED TIGHTENING* / SERRAGE CONTROLÉ / *KONTROLLIERTES ANZIEHEN* / CONTROLLO DI SERRAGGIO / *APERTO CONTROLADO* / КОНТРОЛИРУЕМАЯ ЗАТЯЖКА

LLAVE DINAMOMÉTRICA / *TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE / *DREHMOMENT-SCHRAUBENSCHLÜSSEL* / CHIAVE DINAMOMETRICA / *CHAVE DINAMOMÉTRICA* / ДИНАМОМЕТРИЧЕСКИЕ КЛЮЧИ

COD.	AF inch	N.m	L (mm)	Kg	
79990	1/4	5-25	290	0,6	1
79995	3/8				
79993		10-50			
79991	1/2			0,7	
79992		20-100	390		
79994		40-200	550	1,7	



1000 V | IEC 60900 | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	4%

COD.	AF inch	N.m	Lb.ft	L (mm)	Kg	
79434	3/8	20-100	14,7-73,6	405	1,3	1



1000 V | IEC 60900 | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	4%

COD.	AF inch	N.m	Lb.ft	L (mm)	Kg	
79435	1/2	20-200	15-150	500	1,4	1



1000 V | IEC 60900 | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	4%

DESTORNILLADOR DINAMOMETRICO / *TORQUE SCREWDRIVER* / TOURNEVIS DYNANOMÉTRIQUE / *DREHMOMENT SCHRAUBENDREHER* / CACCIAVITE DINAMOMETRICO / *CHAVE DE FENDAS DINAMOMÉTRICA* / ОТВЕРТКА С УСТАНОВКОЙ МОМЕНТА ЗАТЯГИВАНИЯ

COD.	inch	N.m	Lb.in	L (mm)	g	
79891	1/4	-	10-50	210	445	1
79889		1-6	-			
79890		0.5-4.5				



1000 V | IEC 60900 | 12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Certificado de calibración / *Calibration certificate* / Certificat de calibrage	●
Precisión / *Accuracy* / Précision	+/-6%

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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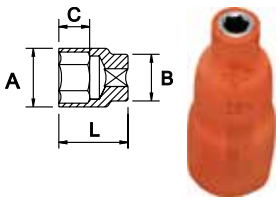
LLAVES DE VASO / *SOCKET WRENCHES* / DOUILLES / *STECKSCHLÜSSEL* / BUSSOLE DOPPEN / *CHAVES DE CAIXA* / ГОЛОВКИ

1/4"

STANDARD

MM

6 PT.

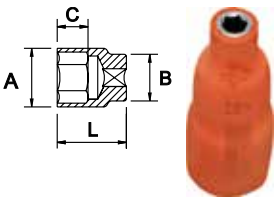


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
73230	4	42	11	18	11	6	15	10
73228	4,5							
73231	5		12					
73229	5,5							
73232	6		13					
73233	7		14					
73234	8		16					
73235	9		17					
73236	10		18				25	
73237	11		19					
73238	12		21		15		30	
73239	13		22					
73240	14		23				35	

1000 V | IEC 60900

INCH

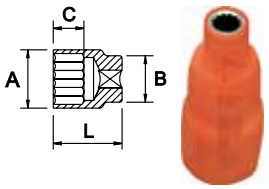
6 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
73366	5/32	42	11	18	11	6	15	10
73367	3/16							
73368	7/32		12					
73369	1/4		13				17	
73370	9/32		14					
73371	5/16		16				19	
73372	11/32		17				23	
73373	3/8		18				27	
73374	7/16		20				29	
73377	15/32		21		15		30	
73375	1/2		22				35	
73376	9/16		23					

1000 V | IEC 60900

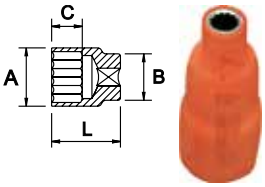
12 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
73241	4	42	11	18	11	12	15	10
73242	4,5							
74885	5		12					
74886	5,5							
74887	6		13					
74888	7		14					
74889	8		16					
74890	9		17					
74891	10		18				25	
74892	11		19					
74893	12		21		15		30	
74894	13		22					
74895	14		23				35	

1000 V | IEC 60900

12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
73365	5/32	42	11	18	11	12	15	10
74900	3/16							
74901	7/32		12					
74902	1/4		13				17	
74903	9/32		14					
74904	5/16		16				19	
74905	11/32		17				23	
74906	3/8		18				27	
74907	7/16		20				29	
74910	15/32		21		15		30	
74908	1/2		22				35	
74909	9/16		23					

1000 V | IEC 60900

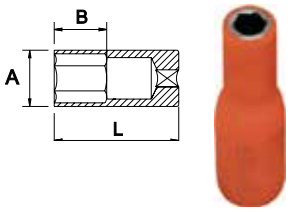
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1/4"

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

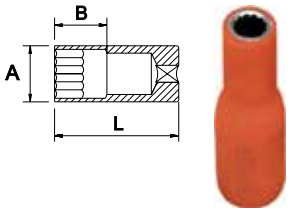
6 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g	
75050	4	48	7,5	8,0	6	33	10
75051	4,5		8,0				
75052	5		9,0				
75053	5,5		10				
75054	6		11	10			
75055	7		12				
75056	8					35	
75057	9		14			42	
75058	10		15	12		46	
75059	11		17			50	
75060	12					55	
75061	13		18			65	
75062	14		20				

1000 V | IEC 60900

12 PT.

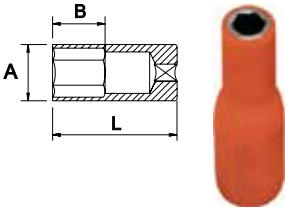


COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g	
75070	5	48	9,0	80	12	33	10
75071	5,5		10				
75072	6		11	10			
75073	7		12				
75074	8					35	
75075	9		14			42	
75076	10		15	12		46	
75077	11		17			50	
75078	12					55	
75079	13		18			65	
75080	14		20				

1000 V | IEC 60900

INCH

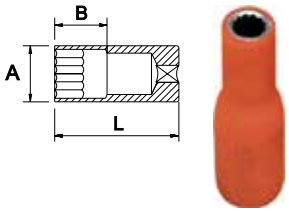
6 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g	
75085	3/16	48	9,0	8,0	6	33	10
75086	7/32		10				
75087	1/4		11	10			
75088	9/32		13			35	
75089	5/16					42	
75090	11/32		14			47	
75091	3/8			12		50	
75092	7/16		17			55	
75093	1/2		19			65	
75094	9/16		21				

1000 V | IEC 60900

12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g	
75100	5/32	48	7,0	8,0	12	33	10
75101	3/16		9,0				
75102	7/32		10				
75103	1/4		11	10			
75104	9/32		13			35	
75105	5/16					42	
75106	11/32		14			46	
75107	3/8			12		50	
75108	7/16		17			55	
75109	1/2		19			65	
75110	9/16		21				

1000 V | IEC 60900

1/4"

PUNTA ATORNILLADORA CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHLÜSSELEINSATZ* / INSERTI A BUSSOLA / *PONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

HEXAGONAL / *HEXAGONAL* / **HEXAGONALE** / *HEXAGONAL* / **ESAGONALE** / *HEXAGONAL* / **ШЕСТИГРАННАЯ**

COD.	AF mm	g		
73250	3	16	10	●
73251	4	18		
73252	5	20		
73253	6	22		
73254	7	24		



1000 V | IEC 60900

HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / **HEXAGONALE SÉRIE LONGUE** / *HEXAGONAL LANG* / **ESAGONALE SERIE LUNGA** / *HEXAGONAL SÉRIE LONGA* / **ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ**

COD.	AF mm	g		
79938	3	50	10	●



1000 V | IEC 60900

TORX®*

COD.		L (mm)	g		
79495	T-20	55	20	10	●
79496	T-25				
79497	T-30		25		



LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / **CLÉ À CLIQUET RÉVERSIBLE** / *UMSCHALTKNARRE* / **CHIAVE A CRICCO REVERSIBILE** / *ROQUETE REVERSIVEL* / **РЕВЕРСИВНАЯ ТРЕЩЕТКА**

COD.	AF inch	L (mm)	g		
73687	1/4	124	140	6	●



1000 V | IEC 60900

ALARGADERA / *EXTENSION* / **RALLONGE** / *VERLÄNGERUNG* / **PROLUNGA** / *EXTENÇAO* / **УДЛИНИТЕЛЬ**

COD.	AF inch	L (mm)	g		
73244	1/4	50	28	5	●
73245		100	52		
75204		150	80		



1000 V | IEC 60900

EXTENSIÓN CON MANGO / *EXTENSION WITH HANDLE* / **GRANDE RALLONGE EMMANCHÉE** / *4-KT. VERLÄNGERUNG MIT GRIFF* / **PROLUNGA CON IMPUGNATURA** / *EXTENSÃO COM CABO* / **УДЛИНИТЕЛЬ С РУКОЯТКОЙ**

COD.	AF inch	L (mm)	g		
73256	1/4	270	150	5	●



1000 V | IEC 60900

• *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

1/4"

MANGO EN T / *T HANDLE* / POIGNÉE T / *T-GRIFF* / IMPUGNATURA A T / *PUNHO DE T* / Т-ОБРАЗНАЯ РУКОЯТКА

COD.	AF inch	L (mm)	g		
73243	1/4	170	140	6	●

1000 V | IEC 60900



ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEILE* / ADATTATORE / *REDUTOR* / АДАПТОР

COD.	AF inch AF inch	g		
79922	1/4-3/8	30	5	●

1000 V | IEC 60900





1/4"

JUEGOS LLAVES DE VASO / *SOCKET WRENCHES SETS* / SETS DOUILLES / *WERKZEUGSÄTZE FÜR STECKSCHLÜSSEL* / KIT BUSSOLE DOPPEN / *JOGOS CHAVES DE CAIXA* / НАБОР ГОЛОВКИ

6 PCS.

STANDARD

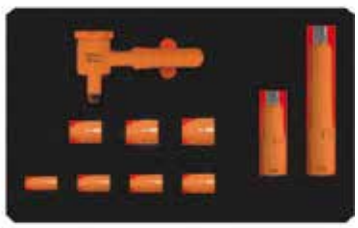



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		g
79067	6	1/4	8-10-12-13	mm	51079	850

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73687	Carraca / *Ratchet*	1000V
4	73234, 73236, 73238, 73239	Vasos / *Sockets*	
1	73252	Boquilla hexagonal / *Hexagonal sockets*	5 mm - 1000V

10 PCS.

STANDARD

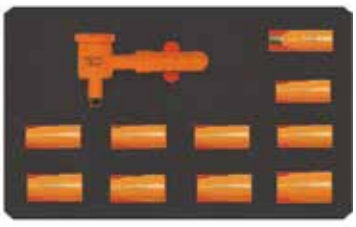



COD.	PCS.	AF inch	AF inch	Medidas en / *Sizes in* / Mesures en		Kg
79475	10	1/4	3/16-1/4-5/16-3/8-7/16-1/2-9/16	inch	51079	1

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73687	Carraca / *Ratchet*	1000V
2	73244, 73245	Alargadera / *Extension*	
7	73367, 73369, 73371, 73373, 73374, 73375, 73376	Vasos / *Sockets*	

11 PCS.

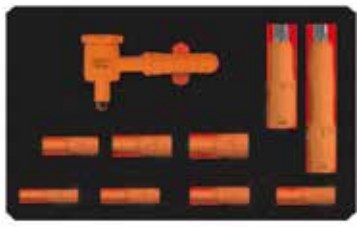
STANDARD

COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		g
79068	11	1/4	6-7-8-9-10-11-12-13-14	mm	51079	950

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73687	Carraca / *Ratchet*	1000V
9	73232, 73233, 73234, 73235, 73236, 73237, 73238, 73239, 73240	Vasos / *Sockets*	
1	73252	Boquilla hexagonal / *Hexagonal sockets*	5 mm - 1000V

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

COD.	PCS.	AF inch	AF inch	Medidas en / *Sizes in* / Mesures en		Kg
79476	10	1/4	3/16-1/4-5/16-3/8-7/16-1/2-9/16 (Serie larga) / *(Long pattern)* / (Série longue)	inch	51079	1,2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73687	Carraca / *Ratchet*	1000V
2	73244, 73245	Alargadera / *Extension*	
7	75085, 75087, 75089, 75091, 75092, 75093, 75094	Vasos (S.L.) / *(L.S.) Sockets*	

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Commercial and Government Entity (NCAGE) Code / Código 8552B
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1/4"

16 PCS.

STANDARD



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79069	16	1/4	4-5-6-7-8-9-10-11-12-13-14	mm	51053	1,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73687	Carraca / *Ratchet*	1000V
	73245	Alargadera / *Extension*	
11	73230, 73231, 73232, 73233, 73234, 73235, 73236, 73237, 73238, 73239, 73240	Vasos / *Sockets*	
3	73251, 73252, 73253	Boquilla hexagonal / *Hexagonal sockets*	4-5-6 mm - 1000V

19 PCS.

STANDARD



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
73014	19	1/4	4-5-6-7-8-9-10-11-12-13-14	mm	51053	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73687	Carraca / *Ratchet*	1000V
	73245	Alargadera / *Extension*	
	73256	Extensión con mango / *Extension with handle*	
11	73230, 73231, 73232, 73233, 73234, 73235, 73236, 73237, 73238, 73239, 73240	Vasos / *Sockets*	
5	73250, 73251, 73252, 73253, 73254	Boquilla hexagonal / *Hexagonal sockets*	3-4-5-6-7 mm - 1000V

21 PCS.

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79070	21	1/4	4-5-6-7-8-9-10-11-12-13-14 (8-10-12-13-14 (Serie larga) / *(Long pattern)* / (Série longue)	mm	51053	1,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73687	Carraca / *Ratchet*	1000V
	73245	Alargadera / *Extension*	
11	73230, 73231, 73232, 73233, 73234, 73235, 73236, 73237, 73238, 73239, 73240	Vasos / *Sockets*	
5	75056, 75058, 75060, 75061, 75062	Vasos (S.L.) / *(L.S.) Sockets*	
3	73251, 73252, 73253	Boquilla hexagonal / *Hexagonal sockets*	4-5-6 mm - 1000V

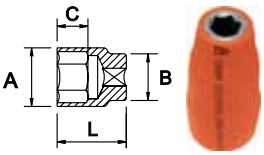
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to the Management Quality

3/8"

STANDARD

MM

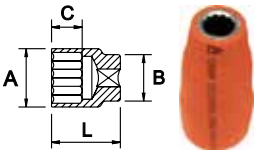
6 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
74914	6	27	11	17	12	6	20	10
74915	7		12					
74916	8		13				25	
74917	9		14					
74918	10		15				31	
74919	11		16					
74920	12		17					
74921	13		18				33	
74922	14		20	18	14			
74923	15		22	20				
74924	16		23				35	
74925	17	29	24	21	16			
74926	18		26	22			45	
74927	19							
74928	20	31	28	24	18		50	
74929	21						55	
74930	22		30	26			65	
74997	23		32	28			70	
74998	24						75	

1000 V | IEC 60900

12 PT.

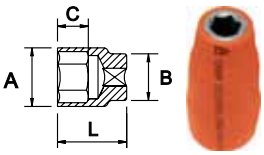


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
73261	8	27	13	17	12	12	25	10
73262	9		14					
73263	10		15				31	
73264	11		16					
73265	12		17				33	
73266	13		18					
73267	14		20	18	14			
73268	15		22	20				
73269	16		23				35	
73270	17	29	24	21	16			
73271	18		26	22			45	
73272	19							
73273	20	31	28	24	18		50	
73274	21						55	
73275	22		30	26			65	

1000 V | IEC 60900

INCH

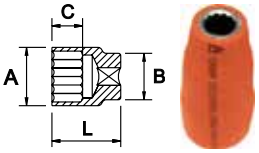
6 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
74940	1/4	27	12	17	12	6	25	10
74941	9/32							
74942	5/16		13					
74943	11/32		14					
74944	3/8		16				31	
74945	7/16		17					
74946	1/2		18	18			33	
74947	9/16		20		14			

1000 V | IEC 60900

12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
73477	1/4	27	12	17	12	12	25	10
73478	5/16		13					
73479	11/32		14				31	
73480	3/8		16					
73481	7/16		17				33	
73482	1/2		18	18				
73484	19/32		22	19	14		35	
73485	5/8							
73486	11/16	29	24	21				
73487	3/4		26	22	16		45	
73488	13/16	31	28	26			50	
73489	7/8		30		18		65	

1000 V | IEC 60900

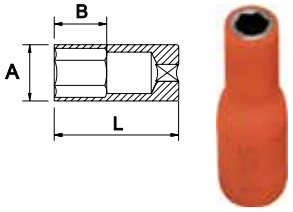
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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
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3/8"

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

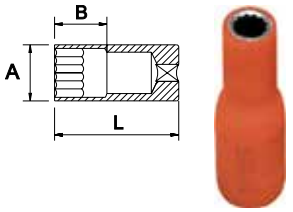
6 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g	
75115	7	62	12	12	6	90	10
75116	8		13			95	
75117	9		14				
75118	10		15				
75119	11		16	14			
75120	12		18				
75121	13		20	18			
75122	14						
75123	15		22			105	
75124	16						
75125	17		24			135	
75126	18		27			165	
75127	19					160	
75129	21		29	20		185	
75130	22		31			210	

1000 V | IEC 60900

12 PT.

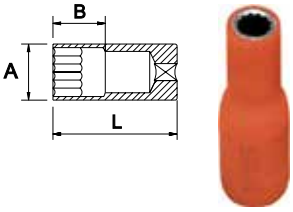


COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g	
75140	7	62	12	12	12	90	10
75141	8		13			95	
75142	9		14				
75143	10		15				
75144	11		16	14			
75145	12		18				
75146	13		20	18			
75147	14						
75148	15		23			105	
75149	16						
75150	17		25			135	
75151	18		27			165	
75152	19					160	
75153	20		29	20		185	
75154	21						
75155	22		31			210	

1000 V | IEC 60900

INCH

12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g	
75160	1/4	62	11	12	12	90	10
75161	5/16		13			95	
75162	3/8		15				
75163	7/16		17	14			
75164	1/2		19				
75165	9/16		21	18			
75166	19/32		22			105	
75167	5/8						
75168	11/16		24			145	
75169	3/4		26			160	
75170	13/16		28	20		185	
75171	7/8		30			210	

1000 V | IEC 60900

3/8"

PUNTAS ATORNILLADORAS CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHLÜSSELEINSATZ* / INSERTI A BUSSOLA / *ONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEZAGONAL* / ШЕСТИГРАННАЯ



COD.	AF mm	g	
73290	3	42	10
73291	4	44	
73292	5	46	
73293	6	50	
73294	7	65	
73295	8		
73296	10	80	

1000 V | IEC 60900

HEXAGONAL SERIE LARGA / *HEXAGONAL LONG* / HEXAGONALE SÉRIE LONGUE / *HEXAGONAL LANG* / ESAGONALE SERIE LUNGA / *HEXAGONAL SÉRIE LONGA* / ШЕСТИГРАННАЯ ВЫСОКАЯ СЕРИЯ



COD.	AF mm		g
79939	4	10	54
79940	5		56
79941	6		60
79942	8		75
79943	10		90

1000 V | IEC 60900

TORX®*



COD.		L (mm)	g
79892	T-10	68	38
79893	T-15		39
79894	T-20		
79895	T-25		
79896	T-27		40
79498	T-30		39
79950	T-35		44
79897	T-40		40
79898	T-45		44
79951	T-50		45

1000 V | IEC 60900

TORX®* SERIE LARGA / *TORX®* LONG* / TORX®* SÉRIE LONGUE / *TORX®* LANGE SERIE* / TORX®* SERIE LUNGA / *TORX®* SÉRIE LONGA* / TORX®* ВЫСОКАЯ СЕРИЯ



COD.		L (mm)	g
79952	T-25	120	55
79953	T-30		
79954	T-35		70
79955	T-50		

1000 V | IEC 60900

TAMPER TORX



COD.		L (mm)	g
79956	TT-45	68	44

1000 V | IEC 60900

- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

3/8"

TAMPER TORX SERIE LARGA / *TAMPER TORX LONG* / TAMPER TORX SÉRIE LONGUE / *TAMPER TORX LANG* / TAMPER TORX SERIE LUNGA / *TAMPER TORX SÉRIE LONGA* / TAMPER TORX ВЫСОКАЯ СЕРИЯ

COD.		L (mm)	g
79957	TT-45	120	70



1000 V | IEC 60900

LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD.	AF inch	L (mm)	g		
73685	3/8	200	390	6	●



1000 V | IEC 60900

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (mm)	g		
74236	3/8	50	50	6	●
73276		100	110		
73280		125	112		
73281		250	290		



1000 V | IEC 60900

MANGO EN T / *T HANDLE* / POIGNÉE T / *T-GRIFF* / IMPUGNATURA A T / *PUNHO DE T* / Т-ОБРАЗНАЯ РУКОЯТКА

COD.	AF inch	L (mm)	g		
73283	3/8	200	600	6	●



1000 V | IEC 60900

ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEILE* / ADATTATORE / *REDUTOR* / АДАПТОР

COD.	AF inch AF inch	g		
73284	3/8-1/2	47	5	●



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COD.	AF inch AF inch	g		
73285	3/8-1/4	65	5	●



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NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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3/8"

JUEGOS LLAVES DE VASO / *SOCKET WRENCHES SETS* / SETS DOUILLES / *WERKZEUGSÄTZE FÜR STECKSCHLÜSSEL* / KIT BUSSOLE DOPPEN / *JOGOS CHAVES DE CAIXA* / НАБОР ГОЛОВКИ

8 PCS.

STANDARD





COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79071	8	3/8	8-10-13-17	mm	51079	1,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73685	Carraca / *Ratchet*	1000V
4	74916, 74918, 74921, 74925	Vasos / *Sockets*	
2	73291, 73292	Boquilla hexagonal / *Hexagonal sockets*	4-5 mm - 1000V
1	73280	Alargadera / *Extension*	1000V





COD.	PCS.	AF inch	AF inch	Medidas en / *Sizes in* / Mesures en		Kg
79437	8	3/8	1/4-5/16-3/8- 1/2	inch	51079	1,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73685	Carraca / *Ratchet*	1000V
4	73477, 73478, 73480, 73482	Vasos / *Sockets*	
2	73291, 73292	Boquilla hexagonal / *Hexagonal sockets*	4-5 mm - 1000V
1	73280	Alargadera / *Extension*	1000V

10 PCS.

STANDARD





COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79072	10	3/8	8-10-13-14-17-19-21	mm	51053	2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73685	Carraca / *Ratchet*	1000V
7	74916, 74918, 74921, 74922, 74925, 74927, 74929	Vasos / *Sockets*	
1	73292	Boquilla hexagonal / *Hexagonal sockets*	5 mm - 1000V
	73280	Alargadera / *Extension*	1000V





COD.	PCS.	AF inch	AF inch	Medidas en / *Sizes in* / Mesures en		Kg
79477	10	3/8	3/8-7/16-1/2-5/8-11/16-3/4- 13/16	inch	51053	2,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73685	Carraca / *Ratchet*	1000V
2	73276, 73280	Alargadera / *Extension*	
7	73480, 73481, 73482, 73485, 73486, 73487, 73488	Vasos / *Sockets*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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3/8"

11 PCS.

SERIE LARGA / *LONG SOCKET* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**



COD.	PCS.	AF inch	AF inch	Medidas en / *Sizes in* / Mesures en		Kg
79478	11	3/8	3/8-7/16-1/2-9/16-5/8-11/16-3/4-13/16" (Serie larga) / *(Long pattern)* / (Série longue)	inch	51053	2,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73685	Carraca / *Ratchet*	1000V
2	73276, 73280	Alargadera / *Extension*	
8	75162, 75163, 75164, 75165, 75167, 75168, 75169, 75170	Vasos (S.L.) / *(L.S.) Sockets*	

19 PCS.

SERIE LARGA / *LONG SOCKET* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
73015	19	3/8	6-7-8-9-10-11-12-13-14-17-19-21 (10 (Serie larga) / *(Long pattern)* / (Série longue)	mm	51053	3,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73685	Carraca / *Ratchet*	1000V
	73280	Alargadera / *Extension*	
	73283	Mango en T / *T Handle*	
12	74914, 74915, 74916, 74917, 74918, 74919, 74920, 74921, 74922, 74925, 74927, 74929	Vasos / *Sockets*	
1	75118	Vasos (S.L.) / *(L.S.) Sockets*	
3	73291, 73292, 73294	Boquilla hexagonal / *Hexagonal sockets*	4-5-7 mm - 1000V

26 PCS.

STANDARD

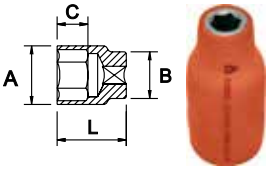


COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79073	26	3/8	6-7-8-9-10-11-12-13-14-16-17-18-19-20-21-22-23-24	mm	51053	4,2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73685	Carraca / *Ratchet*	1000V
18	74914, 74915, 74916, 74917, 74918, 74919, 74920, 74921, 74922, 74924, 74925, 74926, 74927, 74928, 74929, 74930, 74997, 74998	Vasos / *Sockets*	
4	73291, 73292, 73293, 73295	Boquilla hexagonal / *Hexagonal sockets*	
1	73281	Alargadera / *Extension*	
2	73284, 73285	Adaptador / *Adapter*	3/8"-1/2" - 3/8"-1/4" - 1000V

NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

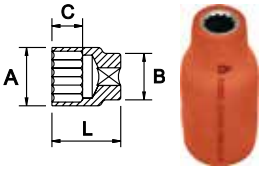
- 1/2"
- STANDARD
- MM
- 6 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
74960	8	40	14	21	5,0	6	50	10
74961	9		15					
74962	10		16		6,0		55	
74963	11		17		7,0			
74964	12		18		8,0			
74965	13		19					
74966	14		21		10		60	
74967	15		22					
74968	16							
74969	17		24	22			70	
74970	18		26	23	12		90	
74971	19							
74972	20		28	26				
74973	21						95	
74974	22		30	31	14			
74975	23		32				110	
74976	24				16			
74977	25	44	34				140	
74978	26						150	
74979	27		36	34	18		160	
74980	28	45	38				170	
74981	29				20		180	
74982	30		40				200	
74983	32		42	38	22		210	

1000 V | IEC 60900

- 12 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
73400	8	40	14	21	5,0	12	50	10
73401	9		15					
73402	10		16		6,0		55	
73403	11		17		7,0			
73404	12		18		8,0			
73405	13		19					
73406	14		21		10		60	
73407	15		22					
73408	16							
73409	17		24	22			70	
73410	18		26	23	12		90	
73411	19							
73412	20		28	26				
73413	21						95	
73414	22		30	31	14			
74991	23		32				110	
73416	24				16			
74992	25	44	34				140	
74993	26						150	
73417	27		36	34	18		160	
74994	28	45	38				170	
74995	29				20		180	
73420	30		40				200	
73421	32		42	38	22		210	

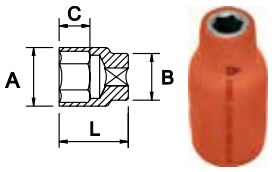
1000 V | IEC 60900

NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
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1/2"

INCH

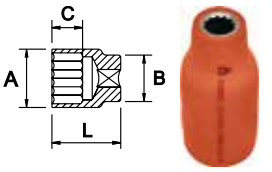
6 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
75000	5/16	38	15	22	14	6	45	10
75001	3/8		16				50	
75002	7/16		17				55	
75003	1/2		18					
75004	9/16		21				60	
75005	19/32		22					
75006	5/8							
75007	21/32		24	23	16		70	
75008	11/16			24			80	
75009	3/4		26	26	20		90	
75010	25/32		28				110	
75011	13/16			28				
75012	7/8		30	30			120	
75013	15/16		32				130	
75014	31/32						140	
75015	1	42	36		24		145	
75016	1.1/16						160	
75017	1.1/8		38				170	
75018	1.3/16	45	40	31	28		180	
75019	1.1/4						200	

1000 V | IEC 60900

12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g	
73491	5/16	38	15	22	14	12	45	10
73492	3/8		16				50	
73493	7/16		17				55	
73494	1/2		18					
73495	9/16		21				60	
73496	19/32		22					
73497	5/8							
73498	21/32		24	23	16		70	
73499	11/16			24			80	
73500	3/4		26	26	20		90	
75025	25/32		28				110	
73501	13/16			28				
73502	7/8		30	30			120	
73503	15/16		32				130	
75028	31/32						140	
75029	1	42	36		24		145	
75030	1.1/16						160	
75031	1.1/8		38				170	
75032	1.3/16	45	40	31	28		180	
75033	1.1/4						200	

1000 V | IEC 60900

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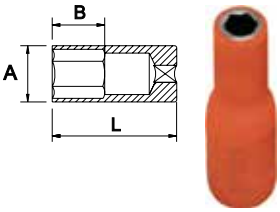
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Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
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1/2"

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

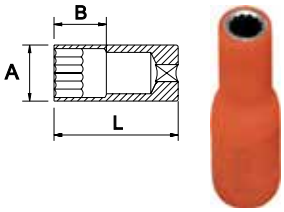
6 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g	
73430	10	75	17	9,0	6	140	10
73431	11		18	11			
73432	12		19	12			
73433	13		21				
73434	14		22	15			
73435	15		23				
73436	16						
73437	17		24			150	
73438	18		26	18		180	
73439	19						
73440	21		28			200	
73441	22		30			250	
73442	23		32	21		280	
73443	24			24			
75205	26		34			370	
75206	27		36	27			
75207	28		38			430	
75208	29						
75209	30		40	30		450	
75210	32		42			500	

1000 V | IEC 60900

12 PT.

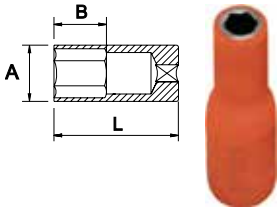


COD.	AF mm	L (mm)	A (mm)	B (mm)	Pt	g	
75180	10	75	17	9,0	12	140	10
75181	11		18	11			
75182	12		19	12			
75183	13		21				
75184	14		22	15			
75185	15		23				
75186	16						
75187	17		24			150	
75188	18		26	18		180	
75189	19						
75191	21		28			200	
75192	22		30			250	
75193	23		32	21		280	
75194	24			24			
75195	26		34			370	
75196	27		36	27			
75197	28		38			430	
75198	29						
75199	30		40	30		450	
75200	32		42			520	

1000 V | IEC 60900

INCH

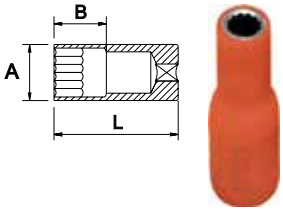
6 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g	
73378	3/8	75	17	6,0	6	140	10
73379	7/16		19	7,0			
73380	1/2		20	8,0			
73381	9/16		22	10			
73382	5/8			15			
73383	11/16		24			150	
73384	3/4		26	18		170	
73385	13/16		28			200	
73386	7/8		30	21		250	
73387	15/16		32	24		290	

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12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	Pt	g	
75215	3/8	75	17	6,0	12	140	10
75216	7/16		19	7,0			
75217	1/2		20	8,0			
75218	9/16		22	10			
75219	5/8			15			
75220	11/16		24			150	
75221	3/4		26	18		170	
75222	13/16		28			200	
75223	7/8		30	21		250	
75224	15/16		32	24		290	
75225	1		36			330	
75226	1.1/16					380	
75227	1.1/8		38			410	

1000 V | IEC 60900

1/2"

LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD.	AF inch	L (mm)	g		
73683	1/2	235	645	6	●

1000 V | IEC 60900



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (mm)	g		
73445	1/2	125	260	5	●
73446		250	360		

1000 V | IEC 60900



MANGO EN T / *T HANDLE* / POIGNÉE T / *T-GRIFF* / IMPUGNATURA A T / *PUNHO DE T* / Т-ОБРАЗНАЯ РУКОЯТКА

COD.	AF inch	L (mm)	g		
73448	1/2	200	600	6	●

1000 V | IEC 60900



PUNTA ATORNILLADORA CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHLÜSSELEINSATZ* / INSERTI A BUSSOLA / *ONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

COD.	AF mm	g	
73455	4	75	10
73456	5		
73457	6	80	
73458	7		
73459	8	85	
73460	9	90	
73461	10	95	
73462	11	135	
73463	12		
73464	13		
73465	14		
73468	17	160	

1000 V | IEC 60900



ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEILE* / ADATTATORE / *REDUTOR* / АДАПТОР

COD.	AF inch AF inch	g		
73286	1/2-1/4	80	5	●
73449	1/2-3/8			

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
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1/2"

JUEGOS LLAVES DE VASO / *SOCKET WRENCHES SETS* / SETS DOUILLES / *WERKZEUGSÄTZE FÜR STECKSCHLÜSSEL* / KIT BUSSOLE DOPPEN / *JOGOS CHAVES DE CAIXA* / НАБОР ГОЛОВКИ

10 PCS.

STANDARD



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79074	10	1/2	8-10-13-17-18-19-21-22	mm	51053	3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	1000V
8	73400, 73402, 73405, 73409, 73410, 73411, 73413, 73414	Vasos / *Sockets*	
1	73445	Alargadera / *Extension*	

12 PCS.

STANDARD



COD.	PCS.	AF inch	AF inch	Medidas en / *Sizes in* / Mesures en		Kg
79479	12	1/2	1/2-9/16-5/8-11/16-3/4-13/16-7/8-15/16-1	inch	51053	3,2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	1000V
2	73445, 73446	Alargadera / *Extension*	
9	73494, 73495, 73497, 73499, 73500, 73501, 73502, 73503, 75029	Vasos / *Sockets*	

14 PCS.

STANDARD



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79075	14	1/2	8-9-10-11-12-13-14-17-19-21-22-23	mm	51053	3,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	1000V
12	73400, 73401, 73402, 73403, 73404, 73405, 73406, 73409, 73411, 73413, 73414, 74991	Vasos / *Sockets*	
1	73445	Alargadera / *Extension*	

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ



COD.	PCS.	AF inch	AF inch	Medidas en / *Sizes in* / Mesures en		Kg
79480	12	1/2	1/2-9/16-5/8-11/16-3/4-13/16-7/8-15/16-1 (Serie larga) / *(Long pattern)* / (Série longue)	inch	51054	6,6

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	1000V
2	73445, 73446	Alargadera / *Extension*	
9	75217, 75218, 75219, 75220, 75221, 75222, 75223, 75224, 75225	Vasos (S.L.) / *(L.S.) Sockets*	

1/2"

15 PCS.

SERIE LARGA / *LONG SOCKET* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79076	15	1/2	10-12-13-14-15-16-17-18-19-21-22-23-27 (Serie larga) / *(Long pattern)* / (Série longue)	mm	51054	7

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	1000V
13	75180, 75182, 75183, 75184, 75185, 75186, 75187, 75188, 75189, 75191, 75192, 75193, 75196	Vasos (S.L.) / *(L.S.) Sockets*	
1	73446	Alargadera / *Extension*	

18 PCS.

STANDARD



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
73017	18	1/2 - 1/4	6-7 (1/4"); 8-9-10-11-12-13-14-16-17-18-19-21-23	mm	51053	3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	1000V
	73445	Alargadera / *Extension*	
2	73232, 73233	Vasos / *Sockets*	
15	73400, 73401, 73402, 73403, 73404, 73405, 73406, 73408, 73409, 73410, 73411, 73413, 74991		
1	73286	Adaptador / *Adapter*	1/2"-1/4"

31 PCS.

STANDARD



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79077	31	1/2	8-9-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32	mm	51054	10

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	1000V
23	73400, 73401, 73403, 73404, 73405, 73406, 73407, 73408, 73409, 73410, 73411, 73412, 73413, 73414, 74991, 73416, 74992, 74993, 73417, 74994, 74995, 73420, 73421	Vasos / *Sockets*	
5	73459, 73461, 73463, 73465, 73468	Boquilla hexagonal / *Hexagonal sockets*	8-10-12-14-17 mm - 1000V
1	73445	Alargadera / *Extension*	1000V
	73448	Mango en T / *T Handle*	

32 PCS.

STANDARD



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
73016	32	1/2	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32	mm	51053	7,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	1000V
	73445	Alargadera / *Extension*	
24	73400, 73401, 73402, 73403, 73404, 73405, 73406, 73407, 73408, 73409, 73410, 73411, 73412, 73413, 73414, 74991, 73416, 74992, 74993, 73417, 74994, 74995, 73420, 73421	Vasos / *Sockets*	
5	73459, 73461, 73463, 73465, 73468	Boquilla hexagonal / *Hexagonal sockets*	8-10-12-14-17 mm - 1000V

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Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

1/2"

37 PCS.

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ



COD.	PCS.	AF inch	AF mm	Medidas en / *Sizes in* / Mesures en		Kg
79078	37	1/2	8-9-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32 (10-13-17-19 (Serie larga) / *(Long pattern)* / (Série longue)	mm	51054	10,2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	73683	Carraca / *Ratchet*	
23	73400, 73401, 73403, 73404, 73405, 73406, 73407, 73408, 73409, 73410, 73411, 73412, 73413, 73414, 74991, 73416, 74992, 74993, 73417, 74994, 74995, 73420, 73421	Vasos / *Sockets*	1000V
4	73430, 73433, 73437, 73439	Vasos (S.L.) / *(L.S.) Sockets*	
1	73449	Adaptador / *Adapter*	1/2"-3/8" - 1000V
6	73457, 73459, 73462, 73463, 73464, 73465	Boquilla hexagonal / *Hexagonal sockets*	6-8-11-12-13-14 mm - 1000V
1	73445	Alargadera / *Extension*	1000V
	73448	Mango en T / *T Handle*	



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Code / Código 8552B
Management System
ISO 9001:2015
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GUANTES AISLANTES / *INSULATING GLOVES* / GANTS ISOLANTS / *SCHUTZHANDSCHUHE, ISOLIERT* / GUANTI ISOLATE / *LUVAS ISOLADAS* / ИЗОЛЯЦИОННЫЕ ПЕРЧАТКИ

	Resistente a: / *Resistant to:* / Résistance à:
A	Ácido / *Acid* / Acide
Z	Ozono / *Ozone* / Ozone
H	Aceite / *Oil* / Huile
C	Muy baja temperatura / *Extremely low temperature* / Très basse température
R	A+Z+H

COD.	Clase / *Class* / Classe	Tensión de prueba (V) / *Proof test voltage (V)* / Tension d'essai (V)	Tensión de uso (V) / *Use voltage (V)* / Tension d'utilisation (V)	Tensión de resistencia (V) / *Resistance voltage (V)* / Tension de résistance (V)	L (mm)	Talla / *Size* / Taille	Categoría / *Category* / Catégorie	g
73746	00	2.500	500	5.000	360	7	AZC	150
73539						8		
73540						9		
73541						10		
73542						11		
73748	0	5.000	1.000	10.000		7		250
73553						8		
73554						9		
73555						10		
73556						11		
73557	1	10.000	7.500	20.000		8		350
73558						9		
73559						10		
73560						11		
73561	2	20.000	17.000	30.000		8	RC	500
73562						9		
73563						10		
73564						11		
73565	3	30.000	26.500	40.000		8		700
73566						9		
73567						10		
73568						11		
73569	4	40.000	36.000	50.000	410	9		850
73570						10		
73571						11		



CE 1000 V I IEC-EN 60903

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Almacenaje / *Storage* / Emballage	Los guantes se deberán almacenar en su empaquetado original a una temperatura ambiente entre +5° y +35°C, en un lugar seco y oscuro, sin exposición directa a la luz solar, artificial u otras fuentes de ozono. / *Gloves should be stored in their original package at a temperature between +5ºC and +35ºC in a dark and dry place, not exposed to direct sunlight, artificial light or sources of ozone.* / Les gants devront être garder dans leur emballage d'origine à une température ambiante comprise entre +5ºC et +35ºC, dans un lieu sec et obscure, sans exposition directe au rayon du soleil, à la lumière artificielle ou toutes autressources d'ozone.
Inspección / *Inspection* / Inspection	Antes de cada uso, llevar a cabo una inspección visual y comprobar el guante inflándolo para detectar posibles daños. Cualquier punción o perforación lo hace inutilizable. / *Before each use, make a visual inspection and inflate the glove to detect possible damages. Any hole or perforation make it useless.* / Avant chaque utilisation, réalisez une inspection visuelle et testez le gant en le gonflant afin de détecter d'éventuels dommages. Toute ponction ou perforation rend le gant inutilisable.
Limpieza / *Cleaning* / Nettoyage	Usar agua y jabón para limpiarlos. / *Use water and soap to clean them.* / Utiliser de l'eau et du savon pour le nettoyer.
Comprobación / *Verification* / Vérification	Se recomienda comprobar todos los guantes aislantes cada seis meses. / *Testing the insulating gloves every six months is advisable.* / Il est recommendé de tester les gants isolants tous les six mois.

SOBREGUANTES DE CUERO / *LEATHER OVERGLOVES* / SURGANTS CUIR / *LEDER ÜBERHANDSCHUHE* / SOPRAGUANTI IN PELLE / *SOBRE-LUVA DE COURO* / ЗАЩИТНЫЕ НАКЛАДНЫЕ ПЕРЧАТКИ КОЖАНЫЕ

COD.	L (mm)	Clase / *Class* / Classe	Talla / *Size* / Taille	Válido para / *Valid for* / Valable pour	g
57121	280	00 (7) | 0 (7)	7	73746, 73748	175
57122	290	00 (8) | 00 (9) | 0 (8) | 0 (9)	8 | 9	73539, 73540, 73553, 73554	
57123	300	00 (10) | 0 (10) | 1 (8) | 1 (9) | 2 (8) | 2 (9)	8 | 9 | 10	73541, 73555, 73557, 73558, 73561, 73562	
57124	310	00 (11) | 0 (11) | 1 (10)	10 | 11	73559, 73542, 73556	
57125	330	1 (11) | 2 (10) | 3 (8) | 3 (9) | 4 (9)	8 | 9 | 10 | 11	73560, 73563, 73565, 73566, 73569	
57144	340	2 (11) | 3 (10) | 4 (10)	10 | 11	73564, 73567, 73570	
57145	350	3 (11) | 4 (11)	11	73568, 73571	

IEC-EN 60903



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para su uso sobre los guantes aislantes con el fin protegerlos de los riesgos mecánicos, y si fuere el caso contra los riesgos de arco eléctrico. / *Designed for its use over insulating gloves to protect against mechanical risks and, when necessary, against electric arc risks.* / Pour les porter sur les gants isolants afin de les protéger des risques mécaniques et le cas échéant contre les risques d'arc électrique.

GUANTES AISLANTES COMPOSITE / *COMPOSITE INSULATING GLOVES* / GANTS ISOLANTS COMPOSITES / *KOMPOZIT ISOLIERHANDSCHUHE* / GUANTI ISOLATI IN COMPOSITO / *LUVAS ISOLANTES COMPOSITE* / ИЗОЛИРУЮЩИЕ ПЕРЧАТКИ КОМПОЗИТНЫЕ

	Resistente a: / *Resistant to:* / Résistance à:
A	Ácido / *Acid* / Acide
Z	Ozono / *Ozone* / Ozone
H	Aceite / *Oil* / Huile
C	Muy baja temperatura / *Extremely low temperature* / Très basse température
R	A+Z+H

COD.	Clase / *Class* / Classe	Tensión de prueba (V) / *Proof test voltage (V)* / Tension d'essai (V)	Tensión de uso (V) / *Use voltage (V)* / Tension d'utilisation (V)	Tensión de resistencia (V) / *Resistance voltage (V)* / Tension de résistance (V)	L (mm)	Talla / *Size* / Taille	Categoría / *Category* / Catégorie	g
79734	0	5.000	1.000	10.000	410	7	RC	600
79735						8		
79736						9		
79737						10		
79738						11		
79739						12		
79740	1	10.000	7.500	20.000		8		650
79741						9		
79742						10		
79743						11		
79744						12		
79745	2	20.000	17.000	30.000		8		700
79746						9		
79747						10		
79748						11		
79749						12		
79750	3	30.000	26.500	40.000		8		800
79751						9		
79752						10		
79753						11		
79754						12		
79755	4	40.000	36.000	50.000		8		1100
79756						9		
79757						10		
79758						11		
79759						12		



CE 1000 V | IEC-EN 60903

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Protección eléctrica y mecánica / *Electrical and mechanical protection* / Protection électrique et mécanique	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Almacenaje / *Storage* / Emballage	Los guantes se deberán almacenar en su empaquetado original a una temperatura ambiente entre +5° y +35°C, en un lugar seco y oscuro, sin exposición directa a la luz solar, artificial u otras fuentes de ozono. / *Gloves should be stored in their original package at a temperature between +5ºC and +35ºC in a dark and dry place, not exposed to direct sunlight, artificial light or sources of ozone.* / Les gants devront être garder dans leur emballage d'origine à une température ambiante comprise entre +5ºC et +35ºC, dans un lieu sec et obscure, sans exposition directe au rayon du soleil, à la lumière artificielle ou toutes autressources d'ozone.
Inspección / *Inspection* / Inspection	Antes de cada uso, llevar a cabo una inspección visual y comprobar el guante inflándolo para detectar posibles daños. Cualquier punción o perforación lo hace inutilizable. / *Before each use, make a visual inspection and inflate the glove to detect possible damages. Any hole or perforation make it useless.* / Avant chaque utilisation, réalisez une inspection visuelle et testez le gant en le gonflant afin de détecter d'éventuels dommages. Toute ponction ou perforation rend le gant inutilisable.
Limpieza / *Cleaning* / Nettoyage	Usar agua y jabón para limpiarlos. / *Use water and soap to clean them.* / Utiliser de l'eau et du savon pour le nettoyer.
Comprobación / *Verification* / Vérification	Se recomienda comprobar todos los guantes aislantes cada seis meses. / *Testing the insulating gloves every six months is advisable.* / Il est recommendé de tester les gants isolants tous les six mois.

ACCESORIOS / *ACCESORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

CAJAS DE TRANSPORTE / *TRANSPORT BOXES* / CAISSES DE TRANSPORT / *TRANSPORTKISTEN* / ASTUCCIO PER IL TRASPORTO / *CAIXAS DE TRANSPORTE* / КЕЙСЫ ДЛЯ ТРАНСПОРТИРОВКИ

COD.	L x W x H (mm)	g
58918	500x250x100	1100



COD.	L x W x H (mm)	g
58919	500x250x100	1100



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Accesorios incluidos / *Accessories Included* / Accessoires inclus	Bote de talco / *Talc Bottle* / Talc en flacon

MANTENIMIENTO / *MAINTENANCE* / MAINTENANCE / *INSTANDHALTUNG* / MANTENIMIENTO / *MANUTENÇÃO* / ОБСЛУЖИВАНИЕ

LIMPIADOR PARA GUANTES Y ALFOMBRAS AISLANTES / *CLEANER FOR GLOVES AND INSULATING CARPETS* / NETTOYANT POUR GANTS ET TAPIS ISOLANTS / *REINIGER FÜR HANDSCHUHE UND ISOLIERTE TEPPICHE* / PULITORE PER GUANTI E TAPPETI ISOLATI / *PRODUTO DE LIMPEZA PARA LUVAS E TAPETES ISOLANTES* / ОЧИСТИТЕЛЬ ДЛЯ РУКАВИЦ

COD.	CAP. (ml)	g
58920	750	750



TESTER PARA GUANTES / *GLOVE TESTER* / TESTEUR POUR GANTS / *HANDSCHUH-PRÜFER* / TESTER PER GUANTI / *TESTER PARA LUVAS* / ПНЕВМАТИЧЕСКИЙ ТЕСТЕР ДЛЯ РУКАВИЦ

COD.	Clase / *Class* / Classe	Kg
73490	Clase 00-Clase 0 / *Class 00-Class 0* / Classe 00-Classe 0	0,6



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

El tester neumático solamente es apto para su uso con guantes de bajo voltage (clase 00 & clase 0) / *The pneumatic tester can be only used for the low voltage gloves (class 00 and class 0)* / Le testeur pneumatique est seulement utilisable avec des gants basse tension (classe 00 et classe 0

ALFOMBRAS AISLANTES / *INSULATING CARPETS* / TAPIS ISOLANTS / *ISOLIERTEPPISCH* / TAPPETO ISOLATO / *TAPETES ISOLANTES* / ДИЭЛЕКТРИЧЕСКИЙ КОВРИК

IEC-EN 60243-1

COD.	mm	L x W (mm)	Resistencia dieléctrica (kV) / *Dielectric Resistance (kV)* / Résistance diélectrique (kV)	Kg	
73505	3	600 x 600	30	1,4	1
73506		1000 x 600		2,3	
73507		5000 x 600		12	
73508		10000 x 600		23	
73514		1000 x 1200		4,7	
73515		2000 x 1200		9,5	
73516		5000 x 1200		23	
73517		10000 x 1200		47	
73518	4,5	1000 x 600	50	3,1	
73519		5000 x 600		15	
73520		10000 x 600		31	
73521		1000 x 1200		5,0	
73522		5000 x 1200		26	
73524		10000 x 1200		60	



1000 V | IEC-EN 60243-1

IEC-EN 61111

COD.	mm	L x W (mm)	Resistencia dieléctrica (kV) / *Dielectric Resistance (kV)* / Résistance diélectrique (kV)	Kg	
79899	3,2	600 X 600	26,5	1,8	1
79927		600 X 1000		3	
79944		600 X 5000		15	
79945		600 X 10000		30	
79948		1200 X 1000		6	
79949		1200 X 2000		12	
79958		1200 X 5000		30	
79959		1200 X 10000		60	
79970	5	600 X 1000	36	4,5	
79975		600 X 5000		23	
79976		600 X 10000		47	
79977		1200 X 1000		9,5	
79978		1200 X 5000		47	
79979		1200 X 10000		94	



1000 V | IEC-EN 61111

MANTAS AISLANTES / *INSULATING BLANKETS* / COUVERTURES ISOLANTES / *ISOLIERENDE DECKEN* / TAPPETI ISOLANTI / *MANTAS ISOLANTES* / ИЗОЛИРУЮЩАЯ ТКАНЬ

COD.	mm	LxW (mm)	Resistencia dieléctrica (kV) / *Dielectric Resistance (kV)* / Résistance diélectrique (kV)	g	
79801	0,3	470x350	1	125	1
79799		600x460		150	
79800		600x600		175	
79802		1000x600		220	
79803		1000x1200		295	
79804		2000x1200		460	
79805		5000x1200		900	
79806		10000x1200		1600	



1000 V | IEC-EN 61112

DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *HANDSCHRAUBER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ



El aislamiento de la varilla de los destornilladores 1.000V de EGA Master, ha sido especialmente diseñado para acceder a espacios más reducidos gracias a su aislamiento conico, que le provee de un menor espesor en la punta.

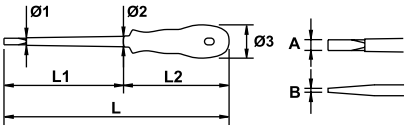
The insulation of EGA Master screwdrivers' bars has been specially designed to allow access to the smallest spaces, as the insulation is made in taper shape (conical), which provides less diameter close to the tip.

L'isolement de la lame des tournevis 1000V d'EGA Master, il a été specialement conçu pour accéder à des espaces plus réduits grâce à son isolement conique, qui lui octroie une plus petite épaisseur sur la pointe.

MASTERTORK

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM

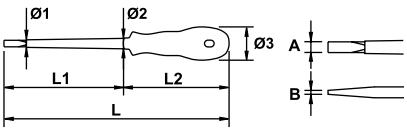




COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76620	2,5	0,4	4,4	6,1	26	160	75	85	16		●
76621	3	0,5				185	100				
76734	3,5	0,6									
76622	4	0,8	5,4	7	34	230	125	105	8	●	●
76623	5,5	1	6,4	8,8							●
76624						255	150				
76625	6,5	1,2	8,4	11	36	265		115	6	-	-
76626	8		9,4	12,3	40	305	175	130			
76627	10	1,6	11,4	15		330	200				

1000 V | IEC 60900 | DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

INCH



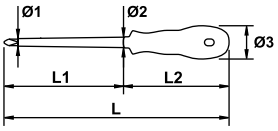


COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)			
75063	3/32	0,016	4,4	6,1	26	160	3	85	16		●
75064	1/8	0,02				185	4				
75065	5/32	0,032	5,4	7	34	230	5	105	8	●	
75066	7/32	0,04	6,4	8,8							-
75067						255	6				
75068	1/4	0,046	8,4	11	36	265		115	6		
75069	5/16		9,4	12,3	40	305	7	130			
75081	25/64	0,063	11,4	15		330	8				

1000 V | IEC 60900 | DIN ISO 2380 | Modelo registrado / *Registered model* / Modèle enregistré

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

PHILLIPS®*

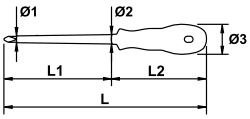


COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76628	PH-0	4,4	5	26	145	60	85	16		
76738	PH-1	6,4	7,6	34	185	80	105	8		
76629	PH-1	6,4	7,6	34	205	100	105	8		
76630	PH-2	7,4	9,6	36	240	125	115	6	•	-
76631	PH-3	9,4	12,3	40	280	150	130	6		
76632	PH-4	9,4	12,3	40	330	200	130	6		



1000 V | IEC 60900 | DIN ISO 8764 | Modelo registrado / *Registered model* / Modèle enregistré

PLANO-PHILLIPS®* PARA BORNES ELÉCTRICOS / *SLOTTED-PHILLIPS®* FOR TERMINAL SCREWS* / PHILLIPS®*-À FENTE POUR BORNES ÉLECTRIQUES / *SCHLITZ-PHILLIPS®* SCHRAUBENDREHER FÜR SCHRAUBKLEMMEN* / TAGLIO-PHILLIPS®*PER TERMINALI ELETTRICI / *FENDA-PHILLIPS®* PARA BORNES ELÉCTRICOS* / ОТВЕРТКА КРЕСТОВАЯ КЛЕМНАЯ PH

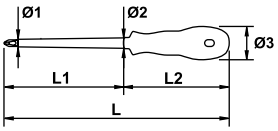


COD.			Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
79163	VDE	PH-1	6,4	7,6	34	205	100	105	8	•
79164	VDE	PH-2	7,4	9,6	36	240	125	115	6	•



1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

POZIDRIV®*



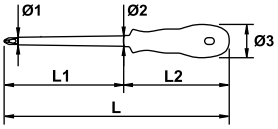
COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76633	PZ-0	4,4	5	26	145	60	85	16		
76634	PZ-1	6,4	7,6	34	205	100	105	8		
76635	PZ-2	7,4	9,6	36	240	125	115	6	•	-
76636	PZ-3	9,4	12,3	40	280	150	130	6		
76637	PZ-4	9,4	12,3	40	330	200	130	6		



1000 V | IEC 60900 | DIN ISO 8764 | Modelo registrado / *Registered model* / Modèle enregistré

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

PLANO-POZIDRIV®* PARA BORNES ELÉCTRICOS / *SLOTTED-POZIDRIV®* FOR TERMINAL SCREWS* / POZIDRIV®* -À FENTE POUR BORNES ÉLECTRIQUES / *SCHLITZ-POZIDRIV®* SCHRAUBENDREHER FÜR SCHRAUBKLEMMEN* / TAGLIO-POZIDRIV®* PER TERMINALI ELETTRICI / *FENDA-POZIDRIV®* PARA BORNES ELÉCTRICOS* / ОТВЕРТКА КРЕСТОВАЯ КЛЕМНАЯ POZIDRIV®*

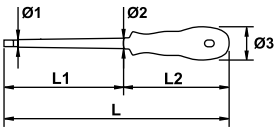


COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
79165	VDE	PZ-1	6,4	7,6	34	205	100	105	8	•
79166		PZ-2	7,4	9,6	36	240	125	115	6	



1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

TORX®*

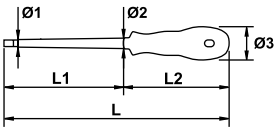


COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76638	T-6	4,4	8	26	135	50	85	16		
76639	T-7									
76640	T-8									
76641	T-9		5		160	75				
76642	T-10									
76643	T-15	5,8	8	34	180		105		•	
76644	T-20				205	100				
76645	T-25	6,4								
76646	T-27		9,6		220	115		8		
76647	T-30	7,4		36	240	125	115			-
76648	T-40	8,7	12,3	40	255		128	6		
76649	T-45	9,4			280	150				
76650	T-50	11,4	15		305	175				



1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

TAMPER TORX



COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
75037	TT-6	4,4	8	26	135	50	85	16	
75038	TT-7								
75039	TT-8								
75040	TT-9		5		160	75			
75041	TT-10								
75042	TT-15	5,8	8	34	180		105		•
75043	TT-20				205	100			
75044	TT-25	6,4							
75045	TT-27		9,6		220	115		8	
75046	TT-30	7,4		36	240	125	115		
75047	TT-40	8,7	12,3	40	255		128	6	
75048	TT-45	9,4			280	150			



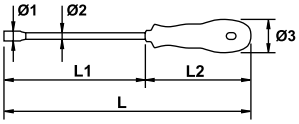
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
75049	TT-50	11,4	15	40	305	175	128	6	●

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

DE VASO / *SOCKET SCREWDRIVER* / CLÉ À DOUILLE EMMANCHÉE / *6-KANT STECKSCHLÜSSEL* / BUSSOLE / *DE CAIXA* / ОТВЕРТКА С ГОЛОВКОЙ

MM

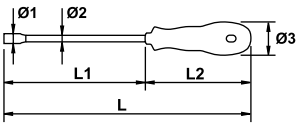




COD.	mm	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
74698	4	11	7,5	34	255	150	105	8	
74699	5								
74700	5,5								
74701	6	12,5	8,5	36	275	160	115	6	●
74702	7				290	175			
74703	8	16	10,5	40	305		130		
74704	9								
74705	10								
74706	11	19	11,5						
74707	12								
74708	13	21							
74709	14								

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

INCH





COD.	inch	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)		
75132	5/32	11	7,5	34	255	6	105	8	
74984	3/16								
75133	7/32								
74985	1/4	12,5	8,5	36	275		115	6	●
74986	5/16	16	10,5	40	305	7	130		
74987	3/8								
75136	25/64								
74988	7/16	19	11,5						
75138	15/32								
74989	1/2	21							

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

MM



COD.	mm		mm	mm		
74664	9	11	130	115	6	●
74665	10					

1000 V | IEC 60900

DESTORNILLADOR PORTAPUNTAS MAGNÉTICO / *MAGNETIC BITHOLDER SCREWDRIVER* / TOURNEVIS PORTE-EMBOUTS MAGNÉTIQUE / *MAGNETISCHER BITHALTER-SCHRAUBENDREHER* / CACCIAVITE PORTA INSERTI MAGNETICOM / *CHAVE PORTA PONTAS MAGNETICO* / ОТВЕРТКА С МАГНИТНЫМ БИТОДЕРЖАТЕЛЕМ

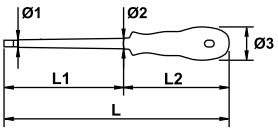


COD.	inch	L (mm)	g		
76737	1/4	210	120	6	●

1000 V | IEC 60900

HEXAGONAL ALLEN

MM

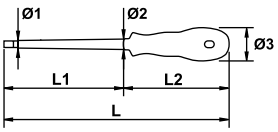




COD.	mm	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
74710	2,5	4,4	6	26	160	75	85	16	●
74711	3								
74712	4	5,8	8		185	100		8	
74713	5	6,4		34	205		105		
74714	6	7,8	11,2		230	125		6	
74715	8	9,8	13,4	40	280	150	130		-

1000 V | ICE 60900 | Modelo registrado / *Registered model* / Modèle enregistré

INCH





COD.	inch	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)		
75083	1/8	4,4	6	26	160	3	85	16	●
75084	5/32	5,8	8		185	4		8	
75131	13/64	6,4		34	205		105		
75097	5/16	9,8	13,4	40	280	6	130	6	-

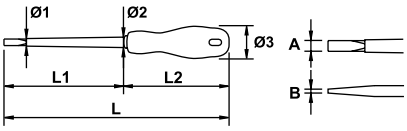
1000 V | ICE 60900 | Modelo registrado / *Registered model* / Modèle enregistré

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

ROTORK

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM

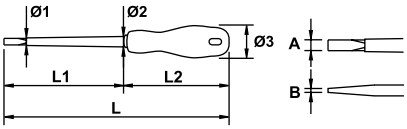




COD.		A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76730	-	2,5	0,4	4,4	6,1	22	135	60	75	16		●
76731		3										
76651			0,5				175	100				
76652		4	0,8	5,4	7	31	230	125	105	8	●	●
76653	VDE	5,5	1	6,4	8,8		255	150				●
76654		6,5	1,2	7,8	11							
76732		8		9,4	12,3		290	175	115	6		-
76733	-	10	1,6	11,4	15	35	315	200				
76125		12	2	13,5	16,5		318		118			

1000V | IEC 60900 | DIN ISO 2380

INCH

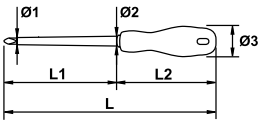




COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (inch)	L2 (mm)		
75172	3/32	0,016	4,4	6,1	22	135	2	75	16	
75175	5/32	0,032	5,4	7	31	230	5	105	8	●
75176	3/16	0,04	6,4	8,8		255	6			
75177	1/4	0,046	7,8	11						
75178	5/16		9,4	12,3	35	290	7	115	6	
75179	25/64	0,063	11,4	15		315	8			

1000V | IEC 60900 | DIN ISO 2380

PHILLIPS®*





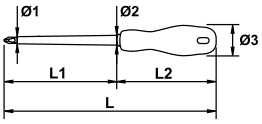
COD.			Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)			
76655		PH-0	4,4	5	22	135	60	75	16		●
76656	VDE	PH-1	6,4	8	31	205	100	105	8	●	●
76657		PH-2	7,4	9,6		230	125				
76658		PH-3	9,4	12,3	35	268	150	118	6		-
76735	-	PH-4				318	200				

1000V | IEC 60900 | DIN ISO 8764

• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

POZIDRIV®*



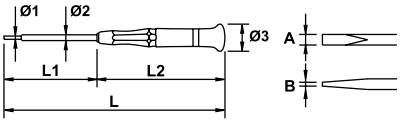
COD.			Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
76659	-	PZ-0	4,4	5	22	135	60	75	16	
76660		PZ-1	6,4	8	31	205	100	105	8	
76661		PZ-2	7,4	9,6		230	125			●
76662		PZ-3	9,4	12,3	35	268	150	118	6	
76736	-	PZ-4		12,5		318	200			



1000 V | IEC 60900 | DIN ISO 8764

MICROTRONIC

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

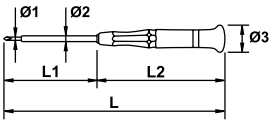


COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
75156	1,5	0,23	1,5	3,1	19	140	40	100	10	●
75157	1,8	0,3	1,8	3,4		160	60			
75158	2	0,4	2	3,6						
75159	2,5		2,5	4,1		175	75			
75201	3	0,5	3	4,6						



1000 V | IEC 60900 | DIN ISO 2380

PHILLIPS®*



COD.		Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	L (mm)	L1 (mm)	L2 (mm)		
75202	PH-00	2,5	4,1	19	175	75	100	10	●
75203	PH-0	3	4,6						



1000 V | IEC 60900 | DIN ISO 8764

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

EXPOSITORES Y SETS / *DISPLAYS AND SETS* / PRESENTOIRS ET SETS / *STÄNDER* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

MASTERTORK

4 PCS.



COD.	PCS.	
76676	4	A
76677		B

PCS.	COD. PCS.	
1	76628	PH0
	76629	PH1
	76630	PH2
	76631	PH3

COD.	PCS.	
76664	4	A
76665		B

PCS.	COD. PCS.	
1	76633	PZ0
	76634	PZ1
	76635	PZ2
	76636	PZ3

5 PCS.



COD.	PCS.	
76667	5	A
76668		B

PCS.	COD. PCS.	
1	76621	3 x 100 mm
	76622	4 x 125 mm
	76624	5,5 x 150 mm
	76625	6,5 x 150 mm
	76626	8 x 175 mm

COD.	PCS.	
76910	5	A
76911		B

PCS.	COD. PCS.	
1	76621	3 x 100 mm
	76622	4 x 125 mm
	76624	5,5 x 150 mm
	76634	PZ1
	76635	PZ2

COD.	PCS.	
76916	5	A
76917		B

PCS.	COD. PCS.	
1	76628	PH0
	76629	PH1
	76630	PH2
	76631	PH3
	76632	PH4

6 PCS.



COD.	PCS.	
76670	6	A
76671		B

PCS.	COD. PCS.	
1	76620	2,5 x 75 mm
	76621	3 x 100 mm
	76622	4 x 125 mm
	76624	5,5 x 150 mm
	76625	6,5 x 150 mm
	76626	8 x 175 mm

COD.	PCS.	
76901	6	A
76902		B

PCS.	COD. PCS.	
1	76621	3 x 100 mm
	76622	4 x 125 mm
	76624	5,5 x 150 mm
	76628	PH0
	76629	PH1
	76630	PH2

COD.	PCS.	
76922	6	A
76923		B

PCS.	COD. PCS.			
1	76620	2,5 x 75 mm		
	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76623	5,5 x 125 mm		
	76629	PH1		-
	76630	PH2		

COD.	PCS.	
76928	6	A
76929		B

PCS.	COD. PCS.			
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76625	6,5 x 150 mm		
	76629	PH1		-
	76630	PH2		
	76631	PH3		

COD.	PCS.	
76934	6	A
76935		B

PCS.	COD. PCS.			
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76625	6,5 x 150 mm		
	76633	PZ0		-
	76634	PZ1		
	76635	PZ2		

COD.	PCS.	
76931	6	A
76932		B

PCS.	COD. PCS.		
1	76640	T8	
	76641	T9	
	76642	T10	
	76643	T15	
	76644	T20	
	76645	T25	

COD.	PCS.	
76926	6	B

PCS.	COD. PCS.		
1	74701	6 mm	
	74702	7 mm	
	74703	8 mm	
	74704	9 mm	
	74705	10 mm	
	74708	13 mm	

7 PCS.



COD.	PCS.	
76938	7	B

PCS.	COD. PCS.		
1	74699	5 mm	
	74700	5,5 mm	
	74701	6 mm	
	74702	7 mm	
	74703	8 mm	
	74705	10 mm	
	74708	13 mm	

8 PCS.



COD.	PCS.	
76674	8	B

PCS.	COD. PCS.			
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76625	6,5 x 150 mm		
	76629	PH1		-
	76630	PH2		
	76634	PZ1		
	76635	PZ2		

COD.	PCS.	
76919	8	A
76920		B

PCS.	COD. PCS.			
1	76620	2,5 x 75 mm		
	76622	4 x 125 mm		
	76623	5,5 x 125 mm		
	76625	6,5 x 150 mm		
	76628	PH0		-
	76629	PH1		
	76630	PH2		
	76631	PH3		

COD.	PCS.	
76940	8	A
76941		B

PCS.	COD. PCS.			
1	76620	2,5 x 75 mm		
	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76625	6,5 x 150 mm		
	76628	PH0		
	76629	PH1		-
	76630	PH2		
	76631	PH3		

COD.	PCS.	
76907	8	A
76908		B

PCS.	COD. PCS.			
1	76620	2,5 x 75 mm		
	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76625	6,5 x 150 mm		
	76633	PZ0		
	76634	PZ1		-
	76635	PZ2		

COD.	PCS.	
76904	8	A
76905		B

PCS.	COD. PCS.			
1	76621	3 x 100 mm		
	76622	4 x 125 mm		
	76624	5,5 x 150 mm		
	76625	6,5 x 150 mm		
	76629	PH1		
	76630	PH2		-
	76634	PZ1		
	76635	PZ2		

COD.	PCS.	
76913	8	A
76914		B

PCS.	COD. PCS.		
1	76628	PH0	
	76629	PH1	
	76630	PH2	
	76631	PH3	
	76633	PZ0	
	76634	PZ1	
	76635	PZ2	
	76636	PZ3	

10 PCS.



C

COD.	PCS.	
79468	10	C

PCS.	COD. PCS.		
1	75132	5/32"	
	74984	3/16"	
	75133	7/32"	
	74985	1/4"	
	74986	5/16"	
	74987	3/8"	
	75136	25/64"	
	74988	7/16"	
	75138	15/32"	
	74989	1/2"	

12 PCS.

COD.	PCS.	
79466	12	C

PCS.	COD. PCS.		
1	75038	TT7	
	75039	TT8	
	75040	TT9	
	75041	TT10	
	75042	TT15	
	75043	TT20	
	75044	TT25	
	75045	TT27	
	75046	TT30	
	75047	TT40	
	75048	TT45	
	75049	TT50	

COD.	PCS.	
79467	12	C

PCS.	COD. PCS.		
1	74698	4 mm	
	74699	5 mm	
	74700	5,5 mm	
	74701	6 mm	
	74702	7 mm	
	74703	8 mm	
	74704	9 mm	
	74705	10 mm	
	74706	11 mm	
	74707	12 mm	
	74708	13 mm	
	74709	14 mm	

13 PCS.

COD.	PCS.	
79465	13	C

PCS.	COD. PCS.	
1	76638	T6
	76639	T7
	76640	T8
	76641	T9
	76642	T10
	76643	T15
	76644	T20
	76645	T25
	76646	T27
	76647	T30
	76648	T40
	76649	T45
	76650	T50

SET



COD.	PCS.	Dimensiones / *Dimensions* / Dimensions	g
76678	5	320 x 190 x 280	780

1000 V | IEC 60900

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	76607	Alicate universal Mastercut Titacrom® Bimat / *Mastercut Titacrom® Bimat combination plier*	180 mm
	76621	Destornillador electricista Mastertork / *Electrician Mastertork screwdriver*	3 x 100 mm
	76629	Destornillador Phillips® Mastertork / *Phillips® Mastertork screwdriver*	PH-1, 5 x 100 mm
	62493	Alicate para terminales aislados / *For insulated terminals plier*	200 mm
	66074	Buscapolos digital / *Digital voltage tester*	160 mm

COD.	PCS.	Dimensiones / *Dimensions* / Dimensions	g
76679	4	320 x 190 x 280	700

1000 V | IEC 60900

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	76607	Alicate universal Mastercut Titacrom® Bimat / *Mastercut Titacrom® Bimat combination plier*	180 mm
	76621	Destornillador electricista Mastertork / *Electrician Mastertork screwdriver*	3 x 100 mm
	76622		4 x 125 mm
	76629	Destornillador Phillips® Mastertork / *Phillips® Mastertork screwdriver*	PH-1, 5 x 100 mm

ROTORK

4 PCS.



COD.	PCS.	
76988	4	A
76989		B

PCS.	COD. PCS.	
1	76655	PH0
	76656	PH1
	76657	PH2
	76658	PH3

COD.	PCS.	
76985	4	A
76986		B

PCS.	COD. PCS.	
1	76659	PZ0
	76660	PZ1
	76661	PZ2
	76662	PZ3

5 PCS.



COD.	PCS.	
76961	5	A
76962		B

PCS.	COD. PCS.	
1	76655	PH0
	76656	PH1
	76657	PH2
	76658	PH3
	76735	PH4

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

6 PCS.



COD.	PCS.	
76973	6	A
76974		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76732	8 x 175 mm		

COD.	PCS.	
76955	6	A
76956		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76732	8 x 175 mm		
	76733	10 x 200 mm		

COD.	PCS.	
76967	6	A
76968		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76656	PH1		-
	76657	PH2		

COD.	PCS.	
76943	6	A
76944		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76655	PH0		-
	76656	PH1		
	76657	PH2		

COD.	PCS.	
76952	6	A
76953		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76659	PZ0		-
	76660	PZ1		
	76661	PZ2		

COD.	PCS.	
76976	6	A
76977		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76654	6,5 x 150 mm		
	76656	PH1		-
	76657	PH2		
	76658	PH3		

COD.	PCS.	
76970	6	A
76971		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76654	6,5 x 150 mm		
	76659	PZ0		-
	76660	PZ1		
	76661	PZ2		

8 PCS.



COD.	PCS.	
76684	8	A
76685		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76656	PH1		-
	76657	PH2		
	76660	PZ1		
	76661	PZ2		

COD.	PCS.	
76964	8	A
76965		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76655	PH0		-
	76656	PH1		
	76657	PH2		
	76658	PH3		

COD.	PCS.	
76982	8	A
76983		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76654	6,5 x 150 mm		
	76655	PH0		-
	76656	PH1		
	76657	PH2		
	76658	PH3		

COD.	PCS.	
76949	8	A
76950		B

PCS.	COD. PCS.			
1	76730	2,5 x 60 mm		
	76731	3 x 60 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76659	PZ0		-
	76660	PZ1		
	76661	PZ2		

COD.	PCS.	
76979	8	A
76980		B

PCS.	COD. PCS.			
1	76651	3 x 100 mm		
	76652	4 x 125 mm		
	76653	5,5 x 150 mm		
	76654	6,5 x 150 mm		
	76655	PH0		-
	76656	PH1		
	76657	PH2		
	76658	PH3		

COD.	PCS.	
76958	8	A
76959		B

PCS.	COD. PCS.		
1	76655	PH0	
	76656	PH1	
	76657	PH2	
	76658	PH3	
	76659	PZ0	
	76660	PZ1	
	76661	PZ2	
	76662	PZ3	

MICROTRONIC

7 PCS.



COD.	PCS.
76083	7

PCS.	COD. PCS.		
1	75156	1,5 x 40 mm	
	75157	1,8 x 60 mm	
	75158	2 x 60 mm	
	75159	2,5 x 75 mm	
	75201	3 x 75 mm	
	75202	PH00	
	75203	PH0	

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

JUEGOS ELECTRICIDAD / *ELECTRICIAN SETS* / SETS ÉLECTRICIENS / *WERKZEUGSÄTZE FÜR ELEKTRIZITÄT* / KIT ELETTRICISTI / *JOGOS ÉCTRICIDADE* / НАБОР ЭЛЕКТРИКА

5 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79060	5	51033	mm	1,2

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	76583, 76594, 76603, 76595	Alicates / *Pliers*	1000V
1	73004	Tenaza de canal / *Box joint*	

10 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79061	10	51033	mm	3,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	76583, 76594, 76603, 76595	Alicates / *Pliers*	1000V
3	76621, 76623, 76626	Destornilladores electricistas / *Electrician screwdrivers*	
2	76634, 76635	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
1	73004	Tenaza de canal / *Box joint*	



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79062	10	51033	mm	2,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	76583, 76603, 76590, 76599	Alicates / *Pliers*	1000V
1	66073	Buscapolos / *Voltage tester*	-
4	76621, 76622, 76623, 76625	Destornilladores electricistas / *Electrician screwdrivers*	1000V
1	76629	Destornilladores Phillips® / *Phillips® screwdrivers*	

16 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
76690	16	-	mm	2,0
76691		51013		4,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
3	76584, 76591, 76595	Alicates / *Pliers*	1000V
1	73040	Pinzas / *Tweezers*	
	73035	Cuchillos / *Knives*	
3	73064, 73067, 73070	Llaves fijas una boca / *Single ended open jaw spanners*	
1	69534	Tijera electricista / *Electrician´s scissors*	-
	66071	Buscapolos / *Voltage tester*	
4	76621, 76622, 76625, 76626	Destornilladores electricistas / *Electrician screwdrivers*	1000V
2	76629, 76630	Destornilladores Phillips® / *Phillips® screwdrivers*	

17 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79063	17	51033	mm	3,6

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
6	76584, 76599, 76592, 76603, 76589, 76590	Alicates / *Pliers*	1000V
1	66073	Buscapolos / *Voltage tester*	-
6	76620, 76621, 76623, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	1000V
2	76629, 76630	Destornilladores Phillips® / *Phillips® screwdrivers*	
	73035, 73036	Cuchillos / *Knives*	

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Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
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26 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79064	26	51033	mm	5,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
7	76583, 76603, 76592, 76594, 76595, 76590, 76589	Alicates / *Pliers*	
2	73156, 73158	Llaves hexagonales / *Hexagonal keys*	
5	76621, 76622, 76623, 76625, 76626	Destornilladores electricistas / *Electrician screwdrivers*	
2	76629, 76630	Destornilladores Phillips® / *Phillips® screwdrivers*	1000V
	76634, 76635	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	
4	74700, 74701, 74702, 74703	Destornilladores de vaso / *Socket screwdriver*	
2	73035, 73036	Cuchillos / *Knives*	
1	73008	Cortacables / *Cable cutters*	
	66073	Buscapolos / *Voltage tester*	-

27 PCS.

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79065	27	51054	inch	8,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
3	76583, 76597, 76592	Alicates / *Pliers*	1000V
	76621, 76623, 76625	Destornilladores electricistas / *Electrician screwdrivers*	
2	76629, 76630	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	73685	Carraca / *Ratchet*	-
2	73280, 73281	Alargadera / *Extension*	3/8" - 1000V
8	75162, 75163, 75164, 75165, 75167, 75168, 75169, 75170	Vasos / *Sockets*	
	73349, 73350, 73351, 73352, 73353, 73354, 73355, 73356	Llaves de estrella acodada una boca / *Offset ring wrenches*	1000V

37 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
79066	37	51054	mm	9,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	76583, 76603, 76592, 76599	Alicates / *Pliers*	1000V
1	73008	Cortacables / *Cable cutters*	
6	73064, 73067, 73068, 73071, 73073, 73076	Llaves fijas una boca / *Single ended open jaw spanners*	
	73122, 73125, 73126, 73129, 73131, 73134	Llaves de estrella / *Ring wrenches*	
1	73683	Carraca / *Ratchet*	
2	73446, 73445	Alargadera / *Extension*	3/8" - 1000V
1	73448	Mango en T / *T Handle*	1000V
9	74962, 74963, 74964, 74965, 74966, 74969, 74971, 74974, 74976	Vasos / *Sockets*	1/2" - 1000V
2	73035, 73036	Cuchillos / *Knives*	1000V
1	73040	Pinza de plástico / *Plastic tweezers*	
4	76621, 76622, 76623, 76625	Destornilladores electricistas / *Electrician screwdrivers*	



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
76688	37	-	mm	3,0
76689		51010		7,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
5	76584, 76591, 76593, 76595, 76603	Alicates / *Pliers*	1000V
1	73008	Tenaza cortacables / *Cable cutters*	
	73040	Pinzas / *Tweezers*	
	73035	Cuchillos / *Knives*	
	73005	Tenazas de canal / *Box joint pincers*	
5	73064, 73065, 73067, 73068, 73070	Llaves fijas una boca / *Single ended open jaw spanners*	
1	69534	Tijera electricista / *Electrician´s scissors*	-
	51257	Buscapolos / *Voltage tester*	
5	76621, 76622, 76624, 76625, 76626	Destornilladores electricistas / *Electrician screwdrivers*	1000V
3	76629, 76630, 76631	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	63254	Soldador de estaño / *Tin soldering iron*	-
	63256	Succionador con boquilla antiestática para soldadura / *Desoldering pump with anti-static rubber nozzle*	
6	73232, 73233, 73234, 73236, 73238, 73239	Vasos / *Sockets*	1000V
1	73245	Alargadera / *Extension*	
	73246	Carraca / *Ratchet*	

52 PCS.

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en	Kg
76686	52	-	mm	6,0
76687		51011		31

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	76584, 76590, 76592, 76591, 76593, 76594, 76595, 76603	Alicates / *Pliers*	1000V
1	73008	Tenaza cortacables / *Cable cutters*	
2	73040, 73041	Pinzas / *Tweezers*	
	73035, 73036	Cuchillos / *Knives*	
1	73011	Cortacables de carraca / *Ratchet electrician cable cutter*	
	73005	Tenazas de canal / *Box joint pincers*	
	76552	Llave ajustable / *Adjustable wrench*	
8	73064, 73065, 73066, 73067, 73068, 73071, 73073, 73076	Llaves fijas una boca / *Single ended open jaw spanners*	
1	69534	Tijera electricista / *Electrician´s scissors*	-
	62494	Alicate para terminales / *Terminals plier*	
	51257	Buscapolos / *Voltage tester*	
6	76621, 76622, 76624, 76625, 76626, 76627	Destornilladores electricistas / *Electrician screwdrivers*	1000V
5	76628, 76629, 76630, 76631, 76632	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	63254	Soldador de estaño / *Tin soldering iron*	-
	63256	Succionador con boquilla antiestática para soldadura / *Desoldering pump with anti-static rubber nozzle*	
	65587	Espejo articulado / *Joint telescopic mirror*	
6	73232, 73233, 73234, 73236, 73238, 73239	Vasos / *Sockets*	1000V
1	73245	Alargadera / *Extension*	
	73687	Carraca / *Ratchet*	
3	73251, 73252, 73253	Boquillas hexagonales / *Hexagonal sockets*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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SET DE MANTENIMIENTO DE COCHE ELÉCTRICO / HÍBRIDO / *HYBRID / ELECTRIC VEHICLE MAINTENANCE SET* / SET DE MAINTENANCE POUR VOITURE ÉLECTRIQUE / HIBRYDE / *WARTUNGSSATZ FÜR ELEKTRO- / HYBRIDFAHRZEUGE* / SET DI MANUTENZIONE VEICOLO ELETTRICO / IBRIDO / *JOGO DE MANUTENÇÃO PARA CARRO ELÉCTRICO / HÍBRIDO* / НАБОР ДЛЯ ОБСЛУЖИВАНИЯ АВТОМОБИЛЬНЫХ ЭЛЕКТРОДВИГАТЕЛЕЙ

23 PCS.

MM






COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
72990	23	50994	mm	●	5,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	73683	Llave de carraca reversible 1/2" / *Reversible ratchet handle 1/2"*
2	73094, 73096	Llaves de estrella acodada / *Offset ring wrenches*
6	74960, 74962, 74965, 74966, 74969, 74971	Llaves de vaso 1/2" / *Socket wrenches 1/2"*
1	73455	Boquila hexagonal / *Hexagonal socket*
	73446	Alargadera 1/2" / *Extension 1/2"*
	73004	Tenaza de canal / *Box joint*
	76583	Alicate universal / *Combination pliers*
	76593	Alicate de telefonista / *Long nose pliers*
2	76738, 76629	Destornilladores Phillips® / *Phillips® screwdrivers*
3	76621, 76622, 76623	Destornilladores electricistas / *Electrician screwdrivers*
1	73555	Guantes aislantes / *Insulating gloves*
3	73287, 73288, 73289	Boquillas de autofijacion / *Self claping slip-on claps*

BE SAFE...BE EFFICIENT

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Code / Código 8552B
Management System
ISO 9001:2015
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to the Management Quality

43 PCS.

MM







COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
79365	43	50996	mm	●	21

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	73042	Cortabridas / *Plastic tie cutter*
	79058	Tijera aislada / *Insulating clamps*
	76616	Alicate de corte diagonal / *Electronic pliers*
2	76614, 76612	Alicate telefonista / *Long nose pliers*
1	73249	Grapa / *Clamp*
	73008	Tenaza corta cables / *Cable cutters*
3	76651, 76652, 76653	Destornilladores electricistas / *Electrician screwdrivers*
1	73040	Pinza / *Neat tip tweezer*
3	76659, 76660, 76661	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*
1	73041	Pinza 45ª / *Neat tip tweezer 45º*
2	73287, 73288	Boquilla de autofijacion / *Self clamping slip-on claps*
1	73035	Cuchillo recto / *Straight knife*
	73036	Cuchillo curvo / *Curved knife*
3	73251, 73252, 73253	Boquilla hexagonal / *Hexagonal socket*
2	79894, 79898	Punta atornilladora con vaso / *Socket bit*
1	73285	Adaptador / *Adapter*
11	73230, 73231, 73232, 73233, 73234, 73235, 73236, 73237, 73238, 73239, 73240	Llaves de vaso 1/4" / *Socket wrenches 1/4"*
5	75058, 75059, 75060, 75061, 75062	Llaves de vaso 1/4" serie larga / *Long series socket wrenches 1/4"*
1	73256	Extension con mango / *Extension with handle*
	79995	Llave dinamometrica 3/8" / *Torque wrench 3/8"*

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

55 PCS

MM



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
79086	55	58597	mm	●	21

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	79799	Mantas aislantes / *Insulating blankets*	600x460
6	73249	Grapas / *Insulating clamps*	150 mm
1	73281	Alargadera 3/8" / *Extension 3/8"*	250mm
	75204	Alargadera 1/4" / *Extension 1/4"*	1/4"
	73285	Adaptador / *Adapter*	3/8" hembra-1/4" macho / *3/8" female-1/4" male*
7	73233, 73234, 73235, 73236, 73237, 73238, 73239	Llaves de vaso 1/4" / *1/4" Socket wrenches*	7,8,9,10,11,12,13 mm
6	74918, 74919, 74920, 74921, 74922, 74923	Llaves de vaso 3/8" / *3/8" Socket wrenches*	10,11,12,13,14,15 mm
3	79495, 79496, 79497	Punta con cuadrado guía 1/4" / *1/4" Socket bit*	T20,T25,T30
	73251, 73252, 73253	Boquilla hexagonal 1/4" / *1/4" Hexagonal socket*	4,5,6 mm
1	76593	Alicate telefonista boca curva / *Bent nose plier*	160mm
	76595	Alicate corte diagonal / *Diagonal cutting plier*	
	79993	Llave dinamométrica / *Torque Wrench*	1000V
	73004	Tenaza de canal 10" / *10" Box joint pincer*	-
	73008	Tenaza cortacables / *Cable cutters*	250mm
	73685	Carraca 3/8" / *3/8" Ratchet*	-
3	74712, 74713, 74714	Destornilladores punta hexagonal Allen / *Hexagonal Allen screwdrivers*	4,5,6mm
1	76657	Destornillador Phillips® / *Phillips® screwdriver*	PH2
3	76626, 76623, 76621	Destornilladores electricistas / *Electrician screwdrivers*	8x175, 3x100, 5,5x125
	75046, 75044, 75043	Destornilladores Tamper torx / *Tamper torx screwdrivers*	TT20,TT25,TT30
6	73288, 73289, 73287	Boquillas de autofijación / *Self clamping slip-on claps*	Ø10, Ø20, Ø30
1	51251	Multímetro / *Multimeter*	-

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

INCH



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
38946	55	58597	inch	●	21

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
4	79799	Mantas aislantes / *Insulating blankets*	-
6	73249	Grapas / *Clamp*	
1	73281	Alargadera / *Extension*	3/8"
	75204		1/4"
	73285	Adaptador / *Adapter*	-
7	73370, 73371, 73372, 73373, 73374, 73375, 73376	Llaves de vaso / *Socket wrenches*	1/4"
6	74942, 74943, 74944, 74945, 74946, 74947		3/8"
3	79495, 79496, 79497	Punta con cuadrado guia / *Socket bit*	1/4"
	73251, 73252, 73253	Boquilla hexagonal / *Hexagonal socket*	
1	76593	Alicate telefonista boca curva / *Bent nose plier*	-
	76595	Alicate corte diagonal / *Diagonal cutting pliers*	
	79993	Llave dinamométrica / *Torque wrench*	1000V
	73004	Tenaza de canal / *Box joint*	10"
	73008	Tenaza cortacables / *Cable cutter*	-
	73685	Carraca / *Ratchet*	3/8"
3	75084, 75131, 75097	Destornilladores punta hexagonal Allen / *Hexagonal Allen bit screwdriver*	-
1	76657	Destornillador Phillips® / *Phillips® srewdriver*	
3	75069, 75066, 75064	Destornilladores electricistas / *Electrician screwdrivers*	
	75046, 75044, 75043	Destornilladores tamper torx / *Tamper torx screwdrivers*	
6	73288, 73289, 73287	Boquillas de autofijacion / *Self clamping slip-on clap*	
1	51251	Multimetro / *Multimeter*	

34

ESD ANTIESTÁTICA
ESD ANTISTATIC
ESD ANTISTATIQUE
ESD ANTISTATISCH
ESD ANTISTATICA
ESD ANTI-ESTÁTICA
АНТИСТАТИЧЕСКИЙ ИНСТРУМЕТ ESD





La descarga eléctrostática (Electro Static Discharge, ESD en inglés) es un fenómeno electrostático que hace que circule una corriente eléctrica repentina y momentáneamente entre dos objetos de distinto potencial eléctrico.

Los productos ESD de EGA Master hacen que se derive la energía electroestática de una forma controlada y segura tanto para el usuario como para los componentes electronicos, lo que los convierte en el aliado ideal de la electrónica.

Los mangos bimateriales están especialmente diseñados con forma ergonómica, de tacto suave y antideslizante, favoreciendo el buen trabajo de la herramienta.

Aviso de seguridad:

No hay que confundir la herramienta ESD con herramienta aislante, por lo que no se deben utilizar nuestros productos ESD en componentes sometidos a tensión eléctrica.

The Electro Static Discharge, ESD, is an electrostatic phenomenon which makes a sudden and momentary electrical current flow between two different objects with different electrical potential.

***EGA Master** ESD products dispose of the electrostatic energy in a safe and controlled way for the user and electronic components. That makes them the perfect tools for electronic applications.*

Bimaterial antislippery and ergonomic handles with a soft feel for the best performance.

Safety advice:

Do not confuse ESD tools with insulated ones. ESD tools should not be used with components subject to electrical voltage.

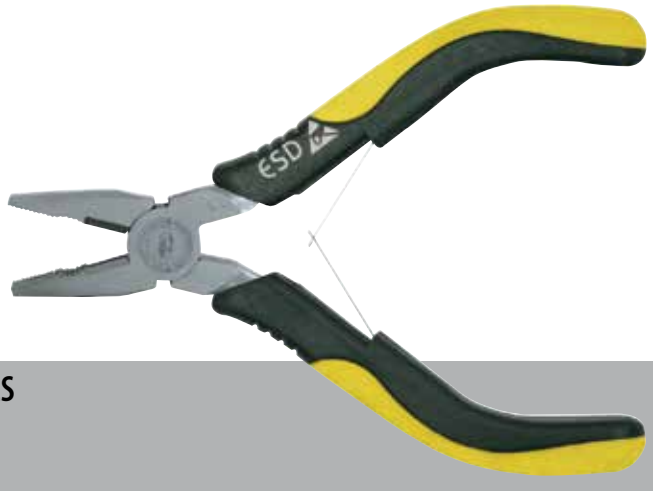
La décharge électrostatique(Electro Static Discharge, ESD en anglais) est un phénomène électrostatique qui fait circuler un courant électrique soudain et momentané entre deux objets de potentiel électrique différent.

Lesproduits ESD EGA Master font que l'énergie électrostatique soit déviée d'une façon controlée et sûre, aussi bien pour l'utilisateur que pour les composants électroniques, ce qui les rend des bons amis de l'électronique.

Les manches Bi-matière sont spécialement conçus avec une forme ergonomique, de toucher doux et anti-dérapant, favorisant un bon usage de l'outil.

Avis de sécurité:

Il ne faut pas confondre un outil ESD avec un outil isolé, car il ne faut pas utiliser nos produits ESD avec des composants soumis à la tension électrique.



ALICATES
PLIERS
PINCES

Los alicates mini ESD **EGA Master** están fabricados en acero al Cr-V de alta calidad, que proporciona excelentes propiedades mecánicas y una alta precisión en los filos de corte. Los mangos bimateriales aseguran la disipación de la carga estática de manera segura y controlada, además de proporcionar un buen agarre ergonómico.

***EGA Master** mini ESD pliers are made in high-quality Cr-V steel, which provides excellent mechanical properties and high accuracy in the cutting edges. The bimaterial handles ensure the vanishing of static charge in a safe and controlled way as well as comfortable ergonomic grip.*

Les MINI pinces ESD **EGA Master** sont fabriquées en acier Cr-V de haute qualité, qui confère d'excellentes propriétés mécaniques et une haute précision du fil de coupe. Les manches Bimat assurent la dissipation de la charge statique de manière sûre et controlée, et confèrent une bonne prise ergonomique.



DESTORNILLADORES
SCREWDRIVERS
TOURNEVIS

Los destornilladores mini ESD **EGA Master** garantizan un trabajo seguro y cómodo, gracias a su mango disipador de carga electrostática, ergonómico, suave y cómodo para el uso. Las varillas están fabricadas en acero al Cr-V de alta calidad. Las puntas ofrecen un mecanizado de alta precisión y gran durabilidad, con un acabado cromado mate.

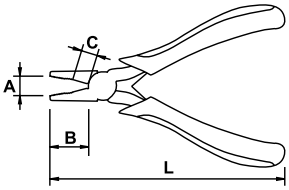
***EGA Master** mini ESD screwdrivers guarantee a safe and comfortable work. Electrostatic discharge is facilitated due to their ergonomic and smooth dissipative handles. The blades are made in high-quality Cr-V steel. The tips are machined with high accuracy. The very durable blades are matt chromed.*

Les tournevis Mini ESD d'**EGA Master** garantissent un travail sûr et commode, grâce à leur manche ergonomique, doux et commode d'usage, éliminateur de charge électrostatique. Les lames sont fabriquées en acier Cr-V de haute qualité. Les pointes sont fraisées avec une grande précision et une grande durabilité, et une finition mâte.

DESCARGA ELECTROSTÁTICA / *ELECTRO STATIC DISCHARGE* / **DÉCHARGE ÉLECTROSTATIQUE** / *ELEKTROSTATISCHE ABLADUNG* / **SCARICA ELETTRICITA STATICA** / *DESCARGA ELECTROSTÁTICA* / **РАЗРЯЖАТЕЛЬ СТАТИЧЕСКОГО ЭЛЕКТРИЧЕСТВА**

ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ЛОСКОГУБЦЫ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

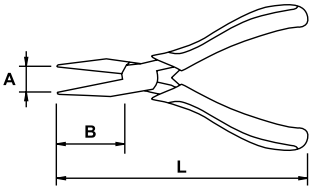




COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
64730	120	25	22	8	2	1,5	1	75	12	●

ESD BIMAT

BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ

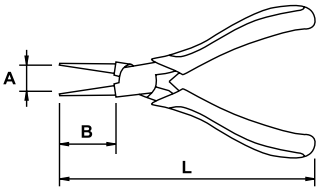




COD.	L (mm)	A (mm)	B (mm)	g		
64731	135	38	36	90	12	●

ESD BIMAT

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ





COD.	L (mm)	A (mm)	B (mm)	g		
64732	130	47	27	75	12	●

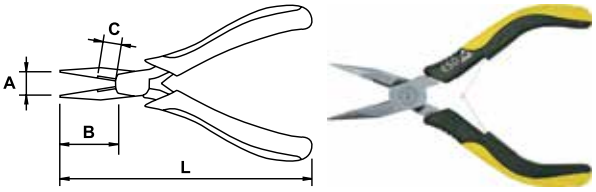
ESD BIMAT

○ Blando / *Soft* / Tendre **20 Kg/mm²**
◑ Medio / *Medium* / Moyen **75 Kg/mm²**
◕ Duro / *Hard* / Dur **180 Kg/mm²**
● Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

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Management System ISO 9001:2015 ISO 14001:2015
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ESD **DESCARGA ELECTROSTÁTICA** / *ELECTRO STATIC DISCHARGE* / **DÉCHARGE ÉLECTROSTATIQUE** / *ELEKTROSTATISCHE ABLADUNG* / **SCARICA ELETTRICITA STATICA** / *DESCARGA ELECTROSTÁTICA* / **РАЗРЯЖАТЕЛЬ СТАТИЧЕСКОГО ЭЛЕКТРИЧЕСТВА**

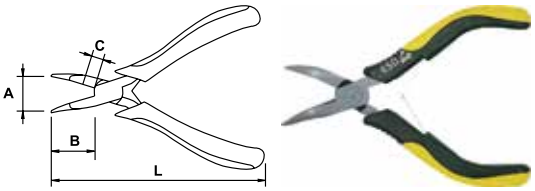
TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / СУДЛИННЕННЫМИ НОСАМИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
64733	135	33	40	9	2	1,5	1	90	12	●

ESD BIMAT

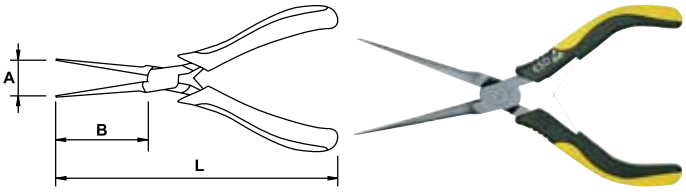
TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
64734	135	31	36	9	2	1,5	1	90	12	●

ESD BIMAT

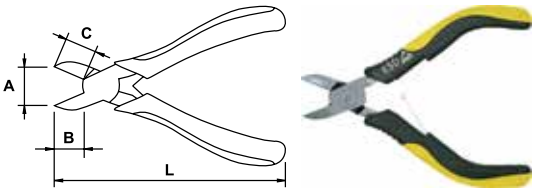
BOCA AGUJA / *LONG NEEDLE NOSE* / BECS LONGS DEMI-RONDS / *FLACHZANGE MIT LANGEM MAUL* / BECCHI TONDI AFFUSOLATI / *PONTAS AGULHA* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)	A (mm)	B (mm)	g		
64735	155	70	47	85	10	●

ESD BIMAT

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



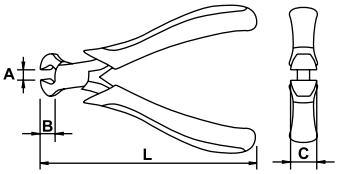
COD.	L (mm)	A (mm)	B (mm)	C (mm)	○ mm	◑ mm	◕ mm	g		
64736	120	18	14	13	1,6	1,2	0,5	75	12	●

ESD BIMAT

○ Blando / *Soft* / Tendre **20 Kg/mm²**
◑ Medio / *Medium* / Moyen **75 Kg/mm²**
◕ Duro / *Hard* / Dur **180 Kg/mm²**
● Cuerda piano / *Piano wire* / Corde de piano **230 Kg/mm²**

ESD **DESCARGA ELECTROSTÁTICA** / *ELECTRO STATIC DISCHARGE* / **DÉCHARGE ÉLECTROSTATIQUE** / *ELEKTROSTATISCHE ABLADUNG* / **SCARICA ELETTRICITA STATICA** / *DESCARGA ELECTROSTÁTICA* / **РАЗРЯЖАТЕЛЬ СТАТИЧЕСКОГО ЭЛЕКТРИЧЕСТВА**

CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ





COD.	L (mm)	A (mm)	B (mm)	C (mm)	mm	mm	mm	g		
64737	110	10	9	18	2	1	0,5	90	12	●

ESD BiMAT

PULSERA ANTIESTÁTICA / *ANTI-STATIC WRIST STRAP* / BRACELET ANTI STATIQUE / *ANTISTATISCHES ERDUNGS-ARMBAND* / POLSIERA ANTISTATICA / *PULSEIRA ANTI-ESTÁTICA* / БРАСЛЕТ АНТИСТАТИК

COD.		g	
64767	8ft	35	6

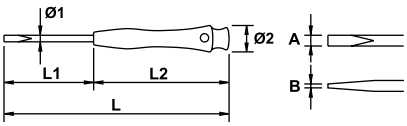
ESD



DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *SCHRAUBENZIEHER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM



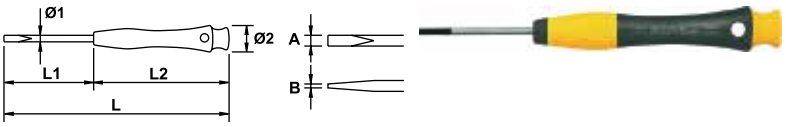


COD.	A (mm)	B (mm)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64740	1	0,2	2	16	140	40	100	14	10	-
64741	1,5	0,3								
64742	2	0,4						16		
64743	2,5		2,5					17		
64744	3	0,5	3		160	60		19		
64745	3,5	0,6	3,5					21		●
64746	4	0,7	4					24		

ESD

ESD **DESCARGA ELECTROSTÁTICA** / *ELECTRO STATIC DISCHARGE* / **DÉCHARGE ÉLECTROSTATIQUE** / *ELEKTROSTATISCHE ABLADUNG* / **SCARICA ELETTRICITA STATICA** / *DESCARGA ELECTROSTÁTICA* / **РАЗРЯЖАТЕЛЬ СТАТИЧЕСКОГО ЭЛЕКТРИЧЕСТВА**

INCH



COD.	A (inch)	B (inch)	Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (inch)	L2 (mm)	g		
55460	5/64	1/16	2	16	140	2	100	14	10	-
55461		5/64			160			16		●
55464	9/64	9/64	3,5					21		
55465	5/32	5/32	4					24		

ESD

PHILLIPS®*



COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64747	PH00	2,5	16	160	60	100	17	10	-
64748	PH0	3,0					19		●
64749	PH1	4,0					24		

ESD

POZIDRIV®*



COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64753	PZ0	3,0	16	160	60	100	19	10	●
64754	PZ1	4,0					24		

ESD

TORX®*



COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g	
64756	T4	2,5	16	140	40	100	14	10
64757	T5							
64758	T6							

ESD

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

DESCARGA ELECTROSTÁTICA / *ELECTRO STATIC DISCHARGE* / **DÉCHARGE ÉLECTROSTATIQUE** / *ELEKTROSTATISCHE ABLADUNG* / **SCARICA ELETTRICITA STATICA** / *DESCARGA ELECTROSTÁTICA* / **РАЗРЯЖАТЕЛЬ СТАТИЧЕСКОГО ЭЛЕКТРИЧЕСТВА**

TAMPER TORX



COD.		Ø 1 (mm)	Ø 2 (mm)	L (mm)	L1 (mm)	L2 (mm)	g		
64762	TT-7	2,5	16	140	40	100	15	10	-
64763	TT-8								
64764	TT-9	3,0		160	60		19		●
64765	TT-10								

ESD

JUEGO DE ALICATES Y DESTORNILLADORES ESD / *SET OF ESD PLIERS AND SCREWDRIVERS* / SET DE PINCES ET TOURNEVIS ESD / *SET ESD SCHRAUBENDREHER U- ESD ZANGEN* / SET PINZE E CACCIAVITI ESD / *JOGO DE ALICATES E CHAVES ESD* / НАБОР ПЛОСКОГУБЦЕВ И ОТВЕРТОК АНТИСТАТИЧЕСКИХ ESD

8 PCS.

COD.	PCS.
68898	8

ESD



PCS.	COD. PCS.	Descripción / *Description* / Description		
1	64730	Alicate universal ESD / *ESD Combination plier*	115 mm	-
	64736	Alicate corte diagonal ESD / *ESD Diagonal cutting plier*		
	64733	Alicate telefonista ESD / *ESD Long nose plier*	135 mm	
	64742	Destornilladores ESD / *ESD Screwdrivers*	2 x 60 mm	
	64744		3 x 60 mm	
	64747		PH00	
	64748		PH0	
	64749		PH1	

JUEGO DE DESTORNILLADORES ESD / *SET OF ESD SCREWDRIVERS* / SET DE TOURNEVIS ESD / *SET ESD SCHRAUBENDREHER* / SET CACCIAVITI ESD / *JOGO DE CHAVES ESD* / НАБОР ОТВЕРТОК АНТИСТАТИЧЕСКИХ ESD

6 PCS.

COD.	PCS.
68899	6

ESD



PCS.	COD. PCS.	
1	64747	PH00
	64748	PH0
	64742	2 x 60 mm
	64744	3 x 60 mm
	64753	PZ0
	64754	PZ1

PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

TAQA ROSA
COMPAÑÍA ELÉCTRICA / POWER COMPANY/ COMPAGNIE ÉLECTRIQUE
ABU DHABI

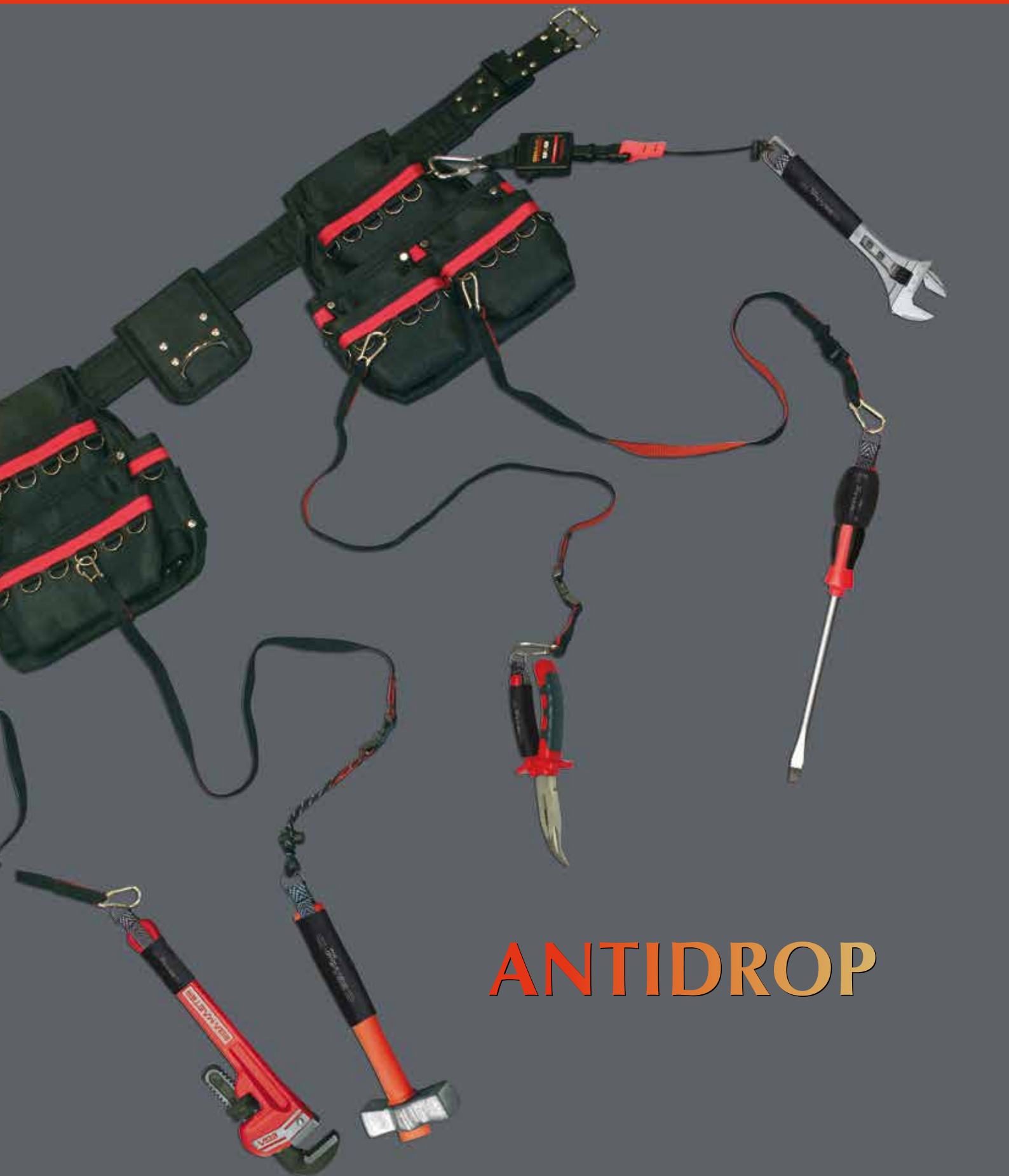






35

HERRAMIENTAS ANTI-CAÍDA ANTIDROP
ANTIDROP TOOLS
OUTILS ANTI-CHUTE ANTIDROP
ANTIDROP WERKZEUG-SICHERUNG
UTENSILI ANTI-CADUTA ANTIDROP
FERRAMENTAS ANTI-QUEDA ANTIDROP
ПРОТИВОУДАРНЫЕ ИНСТРУМЕНТЫ



35 HERRAMIENTAS ANTI-CAÍDA ANTIDROP
ANTIDROP TOOLS
OUTILS ANTI-CHUTE ANTIDROP

EGA Master fabrica una amplia y completa gama de herramientas y soluciones anti-caída ANTIDROP, que han sido diseñadas para controlar y prevenir la caída de objetos cuando se trabaja en alturas.

Estos productos han sido desarrollados para ofrecer un uso confortable, productivo y eficiente, garantizando al mismo tiempo la seguridad de los trabajadores y equipos contra la caída de objetos. Son ideales para muchas actividades de fabricación, construcción, instalación y mantenimiento tanto en tierra como mar adentro.

Son muchas las aplicaciones que requieren de trabajos en alturas: torres de perforación, turbinas eólicas, líneas eléctricas, grúas, edificios, andamiajes, puentes, torres de telecomunicaciones, mantenimiento de aviones, minería, espeleología…





EGA Master manufactures a whole range of ANTI - DROP products and solutions that have been designed to control and prevent object dropping when working at height.

These products have been designed to allow a comfortable, productive and efficient use of tools while assuring workers' and equipment safety against object dropping. Ideal for many manufacturing, construction, installation and maintenance activities, both onshore and offshore. Some applications: oil rigs, wind turbines, power lines, cranes, buildings, scaffoldings, bridges, telecom towers, airplane maintenance, speleology, mining…

EGA Master fabrique une gamme vaste et complète d'outils avec des solutions anti-chute ANTIDROP, conçue pour contrôler et prévenir la chute d'objets lors de travaux en hauteurs.

Ces produits ont été développés pour obtenir une utilisation pratique, productive et efficiente, garantissant en même temps, la sécurité des travailleurs et des équipes, contre la chute d'objets. Ils sont idéals pour diverses activités de fabrication, de construction, d'installation et de maintenance terrestre et maritime.

Les situations ayant besoin du système anti-chute sont nombreuses: les tours de forage, les éoliennes, les lignes électriques, les grues, les bâtiments, les échafaudages, les ponts, les tours de télécommunications, la aintenance des avions, les mines, la spéléologie…

La gama se compone de
The range consists of
La gamme se compose de

HERRAMIENTAS ANTI-CAÍDA ANTIDROP CON SISTEMA TERMORETRÁCTIL
ANTIDROP TOOLS WITH HEAT SHRINK SYSTEM
OUTILS ANTI-CHUTE ANTIDROP AVEC SYSTÈME THERMORÉTRACTABLE

Las herramientas anti-caída **ANTIDROP** de **EGA Master** han sido cuidadosamente diseñadas no sólo para evitar caídas accidentales, sino para garantizar la seguridad completa. Todas las herramientas están equipadas con sistema termoretráctil mucho más eficaz y seguro que otros sistemas del mercado, como, por ejemplo, la sujeción de herramientas directamente mediante cordones y nudos que pueden fallar por errores humanos.

Por supuesto, todas las herramientas mantienen las características originales y reconocidas de las herramientas industriales de **EGA Master**: seguridad, resistencia, durabilidad, eficiencia, ergonomía y un uso confortable.

__EGA Master ANTIDROP__ tools have been carefully designed not only to avoid accidental dropping, but also to ensure maximum safety. All tools are equipped with heat shrink system which offer superior safety compared to other systems, such as directly holding tools with a knot.

Of course, all tools keep the original and well-known __EGA Master__ industrial tools features: safety, resistance, durability, efficient and comfortable use.



Les outils anti-chute **ANTIDROP** d'**EGA Master** ont été soigneusement conçus, non seulement pour éviter des chutes accidentelles, mais aussi pour garantir la complète sécurité. Tous les outils sont dotés par un système thermorétractable, système beaucoup plus efficace et sûr que ceux existants sur le marché, comme par exemple la rétention directe d'outils par l'intermédiaire de cordons et de nœuds qui peuvent faire l'objet de défaillance par erreur humaine.

Il est évident que tous les outils gardent leurs caractéristiques originales et reconnues, des outils industriels d'**EGA Master**: sécurité, résistance, durabilité, efficience, ergonomie et une utilisation confortable.



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CORDÓN ANTI-CAÍDA
LANYARDS
CORDON ANTI-CHUTE

Diseñados para ofrecer la máxima seguridad, así como una óptima libertad de movimiento, los distintos sistemas proporcionan todas las soluciones necesarias para un uso cómodo y seguro en las alturas y al mismo tiempo aseguran la mejor absorción frente a impactos.

Designed for maximum safety, as well as optimum working freedom, the various systems provide all required solutions for a comfortable and safe use on heights, while assuring best shock absorption.

Conçus pour offrir la sécurité maximale, ainsi qu'une liberté de mouvement optimale, les différents systèmes offrent toutes les solutions nécessaires pour une utilisation pratique et sûre en hauteurs et en même temps assurent une meilleure absorption lors d'impacts.





CINTURONES DE SEGURIDAD
SAFETY BELTS
CEINTURES DE SÉCURITÉ

Diseñados para adaptarse a la perfección al cuerpo del trabajador, facilitan los movimientos del usuario, ofreciendo muchos y variados puntos de fijación para las herramientas. Los ganchos y bolsillos del cinturón sujetan las herramientas mientras el trabajador está en movimiento.

Designed to fit the worker's body, enable user freedom and provide maximum tool fixing points. Internal hooks safely retain tools while the operator is climbing or moving location.

Conçues pour s'adapter à la perfection au corps du travailleur, elles facilitent les mouvements de l'utilisateur en offrant une grande variété de points de fixation pour les outils. Les crochets et les poches de la ceinture supportent les outils pendant que le travailleur est en action.

SISTEMA DE CONTROL DE HERRAMIENTAS
TOOL CONTROL SYSTEM
SYSTÈME DE CONTRÔLE D'OUTILS

El control de herramientas es esencial en muchas aplicaciones, sobre todo en aquellos casos en los que las herramientas "perdidas" u olvidadas aumentan los riesgos y disminuyen la seguridad, como es el caso de reparaciones de aviones, mantenimiento de turbinas eólicas, construcciones en las alturas…

EGA Master ofrece como solución un exclusivo y personalizado sistema de control de herramientas. Simplemente hay que elegir las herramientas requeridas y **EGA Master** diseñará y fabricará el set necesario, totalmente personalizado, con bandejas bicolor que se adaptan perfectamente a las herramientas y permiten visualizar a golpe de vista la herramienta faltante. Para más información, dirigirse al capítulo **"Sistemas de control de herramientas"**.

Tool control is essential in many applications, specially on those where "forgotten" tools create high safety risks: airplane repair, wind turbine maintenance, construction at height…

***EGA Master** offers exclusive and totally customized tool control system solutions. Just decide which tools you need, and **EGA Master** will design and manufacture customized the set you require, with Bi-colored foam trays that perfectly fit tools and visually warn of any missing element. For more info, please check "**Tool Control System**" chapter.*

Le contrôle des outils est essentiel dans beaucoup d'applications, et surtout dans les cas ou les outils "perdus" ou oubliés augmentent les risques et diminuent la sécurité, comme dans le cas de réparations d'avion, la maintenance d'éoliennes, les constructions en hauteurs…

EGA Master offre comme solution, un système exclusif et personnalisé de contrôle d'outils. Il suffit de sélectionner les outils désirés et **EGA Master** concevra et fabriquera le Set nécessaire, totalement personnalisé avec des plateaux bi-couleurs qui s'adaptent parfaitement aux outils et permettent de visualiser d'un simple coup d'œil l'outil manquant. Pour plus d'informations, se diriger au Chapitre **'' Systèmes de Contrôle d'Outils"**.



DROPS





SOLUCIONES ANTI-CAÍDA PARA HERRAMIENTA AISLADA 1.000V, ESD, ANTI-CHISPA O NO MAGNÉTICA
ANTIDROP SOLUTIONS FOR 1000V INSULATED, ESD, NON-SPARKING OR NON-MAGNETIC TOOLS
SOLUTIONS ANTI-CHUTE POUR DES OUTILS ISOLÉS 1000 VOLTS, ESD, ANTI-DÉFLAGRANTS ET AMAGNÉTIQUES

Si usted requiere de herramienta de este tipo con el sistema anti-caída **ANTIDROP** incorporado, debido a sus propiedades especiales, por favor, póngase en contacto con **EGA Master** para asesorarle y ofrecerle la mejor solución posible.

*If you require such tools in **ANTIDROP** execution, due to their special properties, please do contact us to advice the best possible solution.*

Si vous avez besoin d'outils de ce type avec le système anti-chute **ANTIDROP** incorporé, et en raison de leurs propriétés spécifiques, merci de vous mettre en contact avec **EGA Master** pour une étude technique et vous offrir la solution la plus adaptée.

EGA Master es miembro de DROPS, iniciativa global de colaboración intersectorial para el establecimiento de normas y soluciones para la prevención de caída de objetos, representada por las empresas más avanzadas y concienciadas en seguridad de los distintos sectores: Petróleo, Gas, Minería, Construcción, Fabricación, Seguridad, etc.



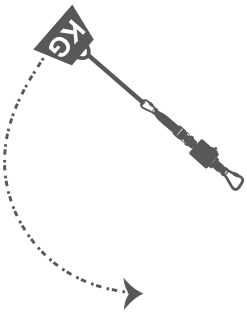
Como miembro de dicha iniciativa, **EGA Master** diseña, ensaya, homologa, certifica y fabrica todas sus herramientas y sujeciones **ANTIDROP** (prevención frente a caídas) de acuerdo siempre a las últimas recomendaciones DROPS vigentes, asegurando los más altos estándares de seguridad frente a la caída de objetos. Todo ello en combinación con la calidad industrial de primer nivel de sus herramientas, garantiza que las soluciones **ANTIDROP** de **EGA Master** cumplan con las más altas exigencias de eficiencia, productividad, comodidad y seguridad.

***EGA Master** is a member of DROPS, a global initiative for inter-sector collaboration for the establishment of standards and solutions to prevent falling objects, represented by companies that are the most advanced and safety aware across multiple sectors: such as Oil, Gas, Mining, Construction, Manufacturing, Safety, etc.*

*As a member of this initiative, **EGA Master** has designed, manufactured, tested, approved and certified all its **ANTIDROP** (prevention against falls) tools and accessories according to the latest standards of security and recommendations provided by DROPS, ensuring the highest standards of security against falling objects. All this, combined with industrial class quality tools, ensures that **EGA Master ANTIDROP** solutions meet the highest standards of efficiency, productivity, comfort and safety.*

EGA Master est membre de DROPS, initiative globale de collaboration intersectorielle pour l'établissement de normes et de solutions pour la prévention de chute d'objets, représentée par les entreprises les plus avancées et conscientes de l'importance de la sécurité dans les secteurs suivants: Pétrole, Gaz, industrie minière, Construction, Fabrication, Sécurité, etc.

En tant que membre de telle initiative, **EGA Master** conçoit, essaie, homologue, certifie et fabrique tous ses outils et fixations **ANTIDROP** (prévention par rapport à la chute) toujours en accords aux dernières recommandations DROPS en vigueur, assurant les plus hauts standards de sécurité par rapport à la chute d'objets. Tout cela, combiné avec la qualité industrielle de premier niveau de ses outils, garantit que les solutions **ANTIDROP** d'**EGA Master** accomplissent les plus hautes exigences d'efficacité, de productivité, de commodité et sécurité.

CAÍDA LIBRE *FREE FALL* CHUTE LIBRE	CAÍDA PENDULAR *PENDULAR TEST* CHUTE PENDULAIRE	CARGA ESTÁTICA *STATIC LOAD TEST* CHARGE STATIQUE
		
Se une el lanyard a un punto de anclaje y al otro extremo se le aplica la carga. La carga se eleva y se suelta verticalmente, 5 veces.	Se une el lanyard a un punto de anclaje y al otro extremo se le aplica la carga. Se eleva la carga por encima del punto de anclaje y se suelta, 5 veces.	Se une el lanyard a un punto de anclaje y en el otro extremo se aplica la carga durante 10 minutos.
The lanyard is attached to an anchor point and the weight is applied to the other end. Then the weight is elevated and dropped vertically, five times.	*The lanyard is attached to an anchor point and the weight is applied to the other end.Then the weight is elevated above the anchorage point and dropped, five times.*	*The lanyard is attached to an anchor point and the weight is applied to the other end during 10 minutes.*
Le lanyard se joint à un point d'ancrage et la charge s'applique sur l'autre extrémité. La charge s'élève et se lâche verticalement, 5 fois.	Le lanyard se joint à un point d'ancrage et la charge s'applique sur l'autre extrémité. La charge s'élève au-dessus du point d'ancrage et se lâche, 5 fois.	Le lanyard se joint à un point d'ancrage et sur l'autre extrémité la charge s'applique pendant 10 minutes.

CORDÓN ANTICAÍDA / *LANYARDS* / CORDON ANTI-CHUTE / *SICHERUNGS-LEINE* / CORDINO ANTI-CADUTA / *SUPORTE DE SEGURANÇA* / СТРОПЫ

CORDÓN ANTICAÍDA RETRÁCTIL / *RETRACTABLE LANYARD* / CORDON ANTI-CHUTE RÉTRACTABLE / *SICHERUNGS-LEINE, SELBST AUFROLLEND* / CORDINO ANTI-CADUTA RETRATTILE / *SUPORTE DE SEGURANÇA RETRÁCTIL* / ВЫДВИГАЮЩИЕСЯ СТРОПЫ

COD.	L (mm)	L max. (m)		CAP. (kg)				g	
66078	440	1,5	1	0,9	0,9	3	30	160	1



CORDÓN ANTICAÍDA RETRÁCTIL CON MOSQUETÓN / *RETRACTABLE LANYARD WITH CARABINER* / CORDON ANTI-CHUTE RÉTRACTABLE AVEC MOUSQUETON / *SICHERUNGS-LEINE, SELBST AUFROLLEND, KARABINERHAKEN* / CORDINO ANTI-CADUTA RETRATTILE CON MOSCHETTONE / *SUPORTE DE SEGURANÇA RETRÁCTIL COM MOSQUETÃO* / ВЫДВИГАЮЩИЕСЯ СТРОПЫ С КАРАБИНОМ

COD.	L (mm)	L max. (m)		CAP. (kg)				g	
66062	400	1,4	1	0,9	0,9	3	30	190	1



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	L (mm)		g	
66248	200	1	145	1



COD.	L (mm)	g	
66063	240	15	1



COD.	L (mm)	g	
66064	200	45	1

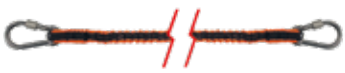


COD.	L (mm)	g	
66068	270	20	1



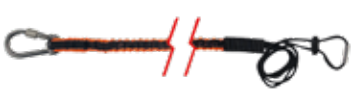
CORDÓN ANTICAÍDA CON MOSQUETÓN Y ABSORCIÓN DE ENERGIA / *SHOCK ABSORBING CARABINER LANYANRD* / CORDON ANTICHUTE AVEC MOUSQUETON ET ABSORPTION D'ÉNERGIE / *STOSSDÄMPFENDES KARABINER LANYARD* / CORDINO ANTICADUTA CON MOSCHETTONE E ASSORBITORE ENERGIA / *CORDA ANTI-QUEDA COM MOSQUETÃO E ABSORÇÃO DE ENERGIA* / СТРАХОВОЧНЫЙ ТРОС С КАРАБИНОМ, ЭНЕРГОПОГЛОЩАЮЩИЙ

COD.	L (mm)	L max. (m)	Resistant UV / *UV Resistant* / UV Resistant	CAP. (kg)				g	
66143	700	1,2	●	3	3	5	35	140	1



CORDÓN ANTICAIDA DE NUDO Y ABSORCIÓN DE ENERGIA / *SOCK ABSORBING LOOP LANYARD* / CORDON ANTICHUTE DE NOEUD ET ABSORPTION D'ÉNERGIE / *SHOCK ABSORBIERENDES SCHLEIFE LANYARD* / CORDINO ANTICADUTA CON NODO E ASSORBITORE ENERGIA / *CORDA ANTI-QUEDA DE NÓ E ABSORÇÃO DE ENERGIA* / СТРАХОВОЧНЫЙ ТРОС С ПЕТЛЕВЫМ ФИКСАТОРОМ, ЭНЕРГОПОГЛОЩАЮЩИЙ

COD.	L (mm)	L max. (m)	Resistant UV / *UV Resistant* / UV Resistant	CAP. (kg)				g	
66118	980	1,5	●	3	3	5	35	85	1



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CORDÓN ANTICAÍDA CON MOSQUETÓN Y QUITAVUELTAS / *CARABINER LANYARD WITH SWIVEL* / CORDON ANTI-CHUTE AVEC MOUSQUETON ET ANTI-ENROULEMENT / *KARABINER LEINE MIT GELENK* / CORDONE ANTI-CADUTA CON MOSCHETTONE E PERNO GIREVOLE / *SUPORTE ANTI-QUEDA COM MOSQUETÃO E CONECTOR GIRATÓRIO* / СТРОП ПРОТИВОУДАРНЫЙ ПОВОРОТНЫЙ С КАРАБИНОМ

COD.	L (mm)	L max. (m)	Resistant UV / *UV Resistant* / UV Resistant	CAP. (kg)					
66112	1000	1,7	●	0,9	0,9	1	20	135	1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Nylon de alta resistencia a los rayos ultravioleta con mosquetones de acero / *UV high resistance nylon and steel carabiners* / Nylon à haute résistance aux rayons ultraviolets avec mousquetons en acier

Elástico / *Elastic* / Élastique

COD.	L (mm)	Resistant UV / *UV Resistant* / UV Resistant	CAP. (kg)					
66116	700	●	3	3	5	35	125	1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Poliéster resistente a los rayos ultravioleta y nylon de alta resistencia con mosquetones de acero / *UV resistant polyester and high resistance nylon and steel carabiners* / Polyester résistant aux rayons ultraviolets et nylon à haute résistance avec mousquetons en acier

Rígido / *Rigid* / Rigide

CORDÓN ANTICAÍDA DE NUDO Y QUITAVUELTAS / *LOOP LANYARD WITH SWIVEL* / CORDON ANTI-CHUTE AVEC NOEUD ET ANTI-ENROULEMENT / *SCHLEIFLEINE MIT GELENK* / CORDONE ANTI-CADUTA NODO E PERNO GIREVOLE / *SUPORTE ANTI-QUEDA COM CORDÃO E CONECTOR GIRATÓRIO* / СТРОП ПРОТИВОУДАРНЫЙ ПОВОРОТНЫЙ С ПЕТЛЕЙ

COD.	L (mm)	L max. (m)	Resistant UV / *UV Resistant* / UV Resistant	CAP. (kg)					
66113	880	1.5	●	0,9	0,9	1	20	80	1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Nylon de alta resistencia a los rayos ultravioleta con mosquetón de acero / *UV high resistance nylon and steel carabiner* / Nylon à haute résistance aux rayons ultraviolets avec mousquetons en acier

Elástico / *Elastic* / Élastique

COD.	L (mm)	Resistant UV / *UV Resistant* / UV Resistant	CAP. (kg)					
66117	630	●	3	3	5	35	70	1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Poliéster resistente a los rayos ultravioleta y nylon de alta resistencia con mosquetones de acero / *UV resistant polyester and high resistance nylon and steel carabiners* / Polyester résistant aux rayons ultraviolets et nylon à haute résistance avec mousquetons en acier

Rígido / *Rigid* / Rigide

CORDÓN ANTICAIDA CON CUERDA ESCALADA CON MOSQUETÓN / *CLIMBING ROPE CARABINER LANYARD* / CORDON ANTI-CHUTE AVEC CORDE D'ESCALADE AVEC MOUSQUETON / *KLETTERSEIL KARABINER SCHLÜSSELBAND* / CORDONE ANTICADUTA A CORDA PER ARRAMPICATA CON MOSCHETTONE / *CORDA ANTI-QUEDA COM CORDA DE ESCALADA E MOSQUETÃO* / СТРАХОВОЧНЫЙ ТРОС С КАРАБИНОМ

COD.	L (mm)	L max. (m)	Resistant UV / *UV Resistant* / UV Resistant	CAP. (kg)					
66105	500	500	-	10	10	15	100	350	1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cuerda de escalada Terylene® con mosquetones de acero / *Terylene® climbing rope and steel carabiners* / Corde d'escalade Térylène® avec mousquetons en acier

Rígido / *Rigid* / Rigide

CINTURÓN PORTAHERRAMIENTAS / *TOOL BELT* / CEINTURE PORTE - OUTILS / *WERKZEUGGÜRTEL* / CINTURA PORTAUTENSILI / *CINTURAO PORTA FERRAMENTAS* / ИНСТРУМЕНТАЛЬНЫЙ ПОЯС

COD.	L (inch)	Kg - MAX				Anillas / *Rings* / Anneaux	
50997	32-44	15	10	3	4	35	21



NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
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ACO

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Kg MAX	Kg MAX	Anillas / *Rings* / Anneaux
50998	10	3	1
50999			2





BOLSA 14 BOLSILLOS / *14 POCKETS NYLON BAG* / TROUSSE 14 POCHES / *NYLON TASCHE MIT 14 FÄCHER* / BORSA CON 14 TASCHE / *BOLSA 14 BOLSOS* / НЕЙЛОНОВАЯ СУМКА (14 ОТДЕЛЕНИЙ)

COD.		g
50934	14	275



BOLSA 7 BOLSILLOS / *7 POCKETS NYLON BAG* / TROUSSE 7 POCHES / *NYLON TASCHE MIT 7 FÄCHER* / BORSA CON 7 TASCHE / *BOLSA 7 BOLSOS* / НЕЙЛОНОВАЯ СУМКА (7 ОТДЕЛЕНИЙ)

COD.		g
50935	7	245



ACCESORIO PARA MARTILLO / *ACCESORY FOR HAMMER* / ACCESSOIRE POUR MARTEAU / *ZUBEHÖR F/HAMMER* / ACCESSORIO PER MARTELLO / *ACESSÓRIO PARA MARTELO* / ПОЯСНОЙ КАРМАН ДЛЯ МОЛОТКА

COD.	g
50932	92



CINTO / *BELT* / CEINTURE / *RIEM* / CINTURONE / *CINTO* / ПОЯС

COD.	L (mm)	g
50933	135	260



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ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

MASTERCUT TITACROM® BIMAT

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.	L (mm)
AD624957	165
AD624967	180
AD624797	210

TITACROM® BIMAT ⬡ | DIN 5746

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V



COD.	L (mm)
AD624807	235

TITACROM® BIMAT ⬡ | DIN 5746

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.	L (mm)
AD624987	160
AD624997	200

TITACROM® BIMAT ⬡ | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)
AD625007	160
AD625017	200

TITACROM® BIMAT ⬡ | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / БОКОРЕЗЫ



COD.	L (mm)
AD622997	160
AD623507	190

TITACROM® BIMAT ⬡ | DIN 5749

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)
AD623007	180
AD625987	200

TITACROM® BIMAT ⬡ | DIN 5749

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

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TITACROM® BIMAT

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.	L (mm)
AD623317	165
AD623327	180
AD623337	200

TITACROM® BIMAT | DIN 5746

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ



COD.	L (mm)
AD623377	160

TITACROM® BIMAT | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ



COD.	L (mm)
AD623387	160

TITACROM® BIMAT | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.	L (mm)
AD623397	160
AD623407	200

TITACROM® BIMAT | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)
AD623417	160
AD623427	200

TITACROM® BIMAT | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / БОКОРЕЗЫ



COD.	L (mm)
AD623437	160
AD625407	190

TITACROM® BIMAT | DIN 5749

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)
AD623447	180
AD623707	200

TITACROM® BIMAT | DIN 5749

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ



COD.	L (mm)
AD623457	160

TITACROM® BIMAT | DIN 5748

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

CORTE FRONTAL ELECTRICISTA / *END CUTTING NIPPER (ELECTRICIAN)* / COUPANTES DEVANT ELECTRICIEN / *ELEKTRIKER VORSCHNEIDER* / TAGLIO FRONTALE PER ELETTRICISTI / *CORTE FRONTAL ELETRICISTA* / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)



COD.	L (mm)
AD623467	160
AD623487	200

TITACROM® BIMAT | DIN 5748

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ



COD.	L (mm)
AD623497	160

TITACROM® BIMAT | DIN 5743

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

MINIS PARA ELECTRÓNICA / *ELECTRONIC PLIERS* / PINCES ELECTRONIQUES / *ELEKTRONIK-ZANGEN* / PINZE PER ELETTRONICA / *ALICATE DE CORTE DIAGONAL TRIANGULAR PARA ELECTRÓNICA* / ПЛОСКОГУБЦЫ ДЛЯ ЭЛЕКТРОНИКИ

TITACROM® BIMAT

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.	L (mm)
AD622417	125

TITACROM® BIMAT | DIN 9655

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ



COD.	L (mm)
AD622437	130

TITACROM® BIMAT | DIN 9655

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)
AD622477	115

TITACROM® BIMAT | DIN 9654

ACO

ELECTRICIDAD / *ELECTRICIAN TOOLS* / OUTILLAGE D'ÉLECTRICIEN / *WERKZEUGE FÜR ELEKTRIKER* / UTENSILI PER ELETTRICISTI / *ELECTRICIDADE* / ИНСТРУМЕНТ ДЛЯ ЭЛЕКТРИКОВ

PARA TERMINALES AISLADOS / *FOR INSULATED TERMINALS* / POUR TERMINAUX ISOLES / *FÜR ISOLIERTE KABELSCHUHE* / PER TERMINALI ISOLATI / *PARA TERMINAIS ISOLADOS* / ДЛЯ ИЗОЛИРОВАННЫХ КОНТАКТОВ



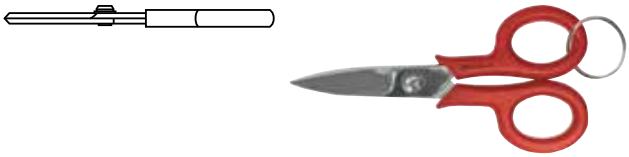
COD.	L (mm)
AD624937	200

TENAZAS CORTACABLES / *CABLE CUTTERS* / COUPE-CABLES / *KABELSCHNEIDER* / CESOIE PER CAVI / *TESOURAS CORTA CABOS* / КАБЕЛЕРЕЗЫ

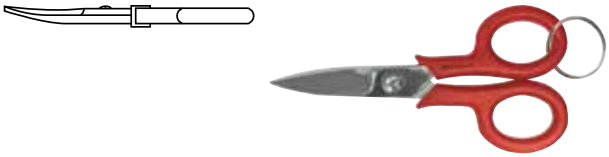


COD.	L (mm)
AD621517	250

TIJERA ELECTRICISTA / *ELECTRICIAN'S SCISSORS* / CISEAUX ÉLECTRICIEN / *ELEKTRIKERSCHERE* / FORBICI PER ELETTRICISTI / *TESOURA ELETRICISTA* / ЭЛЕКТРИЧЕСКИЕ НОЖНИЦЫ



COD.	L (mm)
AD695347	145



COD.	L (mm)
AD695357	145

PELAMANGUERAS / *DISMANTLING TOOL* / OUTIL À DÉGAINER / *ABMANTELUNGSWERKZEUG* / SPELACAVI / *DECAPADOR LINEAR - HELICOIDAL* / ИНСТРУМЕНТ ДЛЯ РАЗБОРКИ



COD.	L (mm)
AD638757	135

TENAZAS / *PINCERS* / TENAILLES / *ZANGE* / TENAGLIE / *ALICATES* / КЛЕЩИ

DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ШАРНИРНЫЕ

TITACROM® BIMAT



COD.	L (inch)
AD622977	10
AD622987	12

TITACROM® BIMAT | DIN 8976

AUTO GRIP



COD.	L (inch)
AD627087	12

PICO DE LORO / *GROOVE JOINT* / MULTIPRISE À CRÉMAILLÈRE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ЖЕЛОБКОВОГО ТИПА

TITACROM®



COD.	L (inch)
AD621067	10

TITACROM® | DIN 8976

• Para más información de dimensiones y características del producto, consultar en el capítulo correspondiente del catálogo general o en www.egamaster.com. / *For more details about features and dimensions of the products, check the corresponding chapter of the General Catalogue or www.egamaster.com.* / Pour plus d'informations sur les dimensions et les caractéristiques du produit, consulter le chapitre correspondant de notre catalogue général ou sur www.egamaster.com.

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Management System
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ACO

ALICATE TRENZADOR DE ALAMBRE / *WIRE TWIST PLIER* / PINCE À FREINER / *DRAHTWIRBELZANGE* / PINZA TORCIFILO / *ALICATE TORCEDOR DE ARAME* / КЛЕЩИ ДЛЯ ТРОСОВ

REVERSIBLE / *REVERSIBLE* / RÉVERSIBLE / *UMSCHALTBAR* / REVERSIBILE / *REVERSÍVEL* / РЕВЕРСИВНЫЙ



COD.	L (inch)
AD626277	6

ALICATE TIPO FORD / *SLIP JOINT PLIER* / PINCE MOTORISTE / *MECHANIKERZANGE* / PINZE PER GASISTI / *ALICATE MOTORISTA* / СКОЛЬЗЯЩИЕ КЛЕЩИ

TITACROM®



COD.	L (inch)
AD620917	8

TITACROM®

TENAZA RUSA / *TOWER PINCER* / PINCE RUSSE / *RABITZZANGE* / TENAGLIA PER CEMENTISTI / *TURQUES RUSSA* / КЛЕЩИ



COD.	L (inch)
AD621267	13

MASTERPLUS TITACROM®



COD.	L (inch)
AD621247	10

MASTERPLUS



COD.	L (inch)
AD621427	10
AD621387	11

TENAZA DE CARPINTERO / *CARPENTER PINCER* / PINCE DE MENUISIER / *KANTENZANGE* / TENAGLIA PER CARPENTIERI / *TURQUES DE CARPINTEIRO* / КЛЕЩИ ДЛЯ ПЛИТКИ



COD.	L (inch)
AD624397	8

LLAVES AJUSTABLES / *ADJUSTABLE WRENCHES* / CLÉS À MOLETTE / *ROLLGABELSCHLÜSSEL* / CHIAVI REGOLABILI A RULLINO / *CHAVES AJUSTAVEIS* / РАЗВОДНЫЕ КЛЮЧИ

TITACROM®



COD.	L (mm)	L (inch)
AD611097	100	4
AD611107	150	6
AD611117	200	8
AD611127	250	10
AD611137	300	12

TITACROM®



COD.	L (mm)	L (inch)
AD611157	450	18

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

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LLAVES / *WRENCHES* / CLÉS / *SCHLÜSSEL* / CHIAVI / *CHAVES* / КЛЮЧИ

LLAVE COMBINADA DE CARRACA MASTERGEAR / *MASTERGEAR COMBINATION RATCHET WRENCH* / CLÉ MIXTE À CLIQUET MASTERGEAR / *RATSCHEN-RINGGABELSCHLÜSSEL* / CHIAVE COMBINATA A CRICCO MASTERGEAR / *CHAVE DE BOCA E LUNETA COM ROQUETE MASTERGEAR* / КЛЮЧ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR



COD.	AF inch
AD626687	7/16

DE VASO DOBLE ARTICULACIÓN / *DOUBLE ENDED SWIVEL* / CLÉ À TUBE ARTICULÉE / *DOPPEL-GELENKSTECKSCHLÜSSEL* / CHIAVE A BUSSOLA DOPPA SNODABILE / *DE CAIXA ARTICULADAS* / КЛЮЧ ДВОЙНАЯ ГОЛОВКА ШАРНИРНАЯ



COD.	AF mm
AD613017	8-9
AD613027	10-11
AD613037	12-13
AD613047	14-15
AD613057	16-17
AD613067	18-19
AD613087	20-22
AD613097	21-23
AD613107	24-27

PARA RACORES / *FLARE NUT* / POLYGONALE À TUYAUTER / *OFFENER DOPPELRINGSCHLÜSSEL* / CHIAVE PER RACCORDI / *LUNETAS ABERTAS COM BATENTE* / КЛЮЧ ПРОКАЧНОЙ РАЗРЕЗНОЙ



COD.	AF mm
AD607857	8-10
AD607877	10-11
AD607887	11-13
AD607897	12-14
AD607907	17-19
AD607917	19-22
AD607927	22-24
AD607937	24-27

DIN 3118

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CR-V

ESTRELLA PLANA / *DOUBLE ENDED FLAT RING SPANNER* / POLYGONALE PLATE / *DOPPELRINGSCHLÜSSEL* / POLIGONALE DIRITTA / *LUNETA DIREITA* / ДВОЙНАЯ ИЗОГНУТАЯ ПЛОСКАЯ ЗВЕЗДОЧКА



COD.	AF mm
AD607707	6-7
AD607717	8-9
AD607727	10-11
AD607737	12-13
AD607747	14-15
AD607757	16-17
AD607767	17-19
AD607777	18-19
AD607787	20-22
AD607797	21-23
AD607807	24-27
AD607817	25-28
AD607827	30-32

DIN 837

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

CR-V

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JUEGOS / *SETS* / ASSORTIMENTS / *SÄTZE* / ASSORTIMENTI / *JOGOS* / НАБОРЫ

COD.	mm	inch
AD614997	1,5-6	-
AD615007	1,5-10	
AD615167	-	1/16-3/8

Standard



COD.	mm
AD615127	2,5-10

Serie larga / *Long serie* / Série longue



COD.	mm	inch
AD614967	1,5-10	-
AD614957	-	1/16-3/8

Bola / *Ballpoint* / Tête sphérique | Serie larga / *Long serie* / Série longue



COD.	mm	inch	
AD653527	1,5-8	-	-
AD653537	-	5/64-5/16	
AD653547		-	T9-T40



LLAVE FIJA ACODADA PARA ESTRUCTURA / *OFFSET OPEN END STRUCTURAL WRENCH* / CLÉ POLYGONALE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE / *RINGSCHLÜSSEL GEKRÖPFT MIT DORN* / CHIAVE POLIGONALE PER PONTEGGI / *CHAVE LUNETA INCLINADA PARA ESTRUCTURA* / КЛЮЧ НАКИДНОЙ ОДНОСТОРОННИЙ ВИЛКООБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

COD.	AF inch
AD649717	7/8



LLAVE DE CARRACA PARA ESTRUCTURA METÁLICA / *PODGING WRENCH* / CLÉ À CLIQUET POUR STRUCTURE MÉTALLIQUE / *STAHLBAUKNARRE* / CHIAVE A CRICCO PER COSTRUZIONE / *CHAVE DE ROQUETE PARA ESTRUTURA METALICA* / ГОЛОВКА С ТРЕЩЕТКОЙ

MM

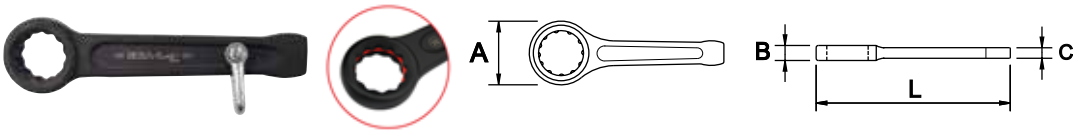
COD.	AF mm
AD659167	10-13
AD659087	13-17
AD650767	17-19
AD659177	19-21
AD650777	19-22
AD650787	19-24
AD650797	24-30
AD650807	27-32
AD650817	36-41



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ACO

LLAVES DE GOLPE SEGURIDAD TOTAL / *TOTAL SAFETY SLOGGING WRENCHES* / CLÉS À FRAPPER SÉCURITÉ TOTALE / *SCHLAGRINGSCHLÜSSEL MIT SICHERUNG* / CHIAVI A BATTERE SICUREZZA TOTALE / *CHAVES DE LUNETA SÉRIE PANCADA DE SEGURANÇA TOTAL* / КОЛЬЦЕВОЙ УДАРНЫЙ КЛЮЧ-ЗВЕЗДОЧКА С ПОДВЕСОМ



MM

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)		Kg	
AD574257	22	155	38	13	8			
AD574267	23						0,2	
AD574277	24	165	42	14	8,5			
AD574287	25							
AD574297	26							
AD562957	27	175	46		9,5		0,3	
AD574307	28			16				
AD574317	29		50			89021	0,4	
AD562967	30	185						
AD574327	31							
AD574337	32		55		11		0,5	5
AD574347	33			18				
AD574357	34	210						
AD574367	35			19			0,6	
AD574377	36		60					
AD574387	37	220						
AD574397	38			20	12		0,7	
AD574407	41	225	65					
AD574417	42							
AD574427	45							
AD574437	46	240	75	22	13		1,0	
AD574447	47							
AD574457	48							
AD574467	50	250	80	23			1,2	
AD574477	52				14			
AD574487	54							
AD574497	55		85	24		89022	1,4	
AD574507	56							
AD574517	58	270						
AD574527	59							
AD574537	60		90	26	15		1,6	
AD574547	61							
AD574557	62							
AD574567	63							
AD574577	64	300	100	30	16		1,9	1
AD562977	65							
AD574587	66							
AD574597	67							
AD574607	68							
AD574617	69	320	110	32	17		2,3	
AD574627	70							
AD574047	71					89023		
AD574057	72							
AD574067	73							
AD574077	74	330	115	33	18		2,9	
AD574087	75							
AD585817	80	350	125	34	19		3,6	
AD585827	85	360	130	36	20		3,9	

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)		Kg	
AD585837	90	380	135	39	23	89016	5,0	
AD585847	95	390	140					
AD585857	100	410	150	43	25	89017	6,0	1
AD585867	105	420	155				6,5	
AD585877	110	450	165	45	28	89018	8,0	
AD585887	115		170				9,5	

INCH

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)		Kg	
AD574657	7/8	155	38	13	8		0,2	
AD574667	15/16	165	42	14	9			
AD574677	1	175	46		10		0,3	
AD574687	1.1/16			16				
AD574697	1.1/8	185	50				0,4	
AD574707	1.3/16					89021		
AD574717	1.1/4		55		11			
AD574727	1.5/16			18			0,5	5
AD574737	1.3/8	210	60	19				
AD574747	1.7/16							
AD574757	1.1/2	220						
AD574767	1.9/16			20	12		0,7	
AD574777	1.5/8	230	65					
AD574787	1.11/16							
AD574797	1.3/4							
AD574807	1.13/16	240	75	22	13		1,0	
AD574817	1.7/8							
AD574827	1.15/16	250	80	23				
AD574837	2				14	89022		
AD574847	2.1/16							
AD574857	2.1/8		85	24			1,4	
AD574867	2.3/16							
AD574877	2.1/4	270						
AD574887	2.5/16		90	26	15		1,6	1
AD574897	2.3/8							
AD574907	2.7/16							
AD574917	2.1/2							
AD574927	2.9/16	300	100	28	16		2,3	
AD574937	2.5/8							
AD574947	2.11/16	320	110	32	17	89023	2,5	
AD574957	2.3/4							

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ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

MM

x5

COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
89129	Set 5 pcs hilo tórico / *Set of 5 o-ring cords* / Jeu de 5 pcs corde	AD574257
89130		AD574267
89131		AD574277
89132		AD574287
89133		AD574297
89134		AD562957
89135		AD574307
89136		AD574317
89137		AD562967
89138		AD574327
89139		AD574337
89140		AD574347
89141		AD574357
89142		AD574367
89143		AD574377
89144		AD574387
89145		AD574397
89148		AD574407
89149		AD574417
89152		AD574427
89153		AD574437
89154		AD574447
89155		AD574457
89157		AD574467
89159		AD574477
89161		AD574487
89162		AD574497
89163		AD574507
89165		AD574517
89166		AD574527
89167		AD574537
89168		AD574547
89169		AD574557
89170		AD574567
89171		AD574577
89172		AD562977
89173		AD574587
89174		AD574597
89175		AD574607
89176		AD574617
89177		AD574627
89178		AD574047
89179		AD574057
89180		AD574067
89181		AD574077
89182		AD574087
89220		AD585817
89221		AD585827
89222		AD585837
89223		AD585847
89224		AD585857
89225		AD585867
89256		AD585877
89257		AD585887

INCH

x5

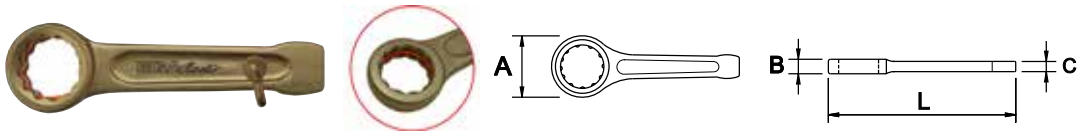
COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
89187	Set 5 pcs hilo tórico / *Set of 5 o-ring cords* / Jeu de 5 pcs corde	AD574657
89188		AD574667
89189		AD574677
89190		AD574687
89191		AD574697
89192		AD574707
89193		AD574717
89194		AD574727
89195		AD574737
89197		AD574747
89198		AD574757
89199		AD574767
89200		AD574777
89201		AD574787
89202		AD574797
89203		AD574807
89204		AD574817
89205		AD574827
89206		AD574837
89207		AD574847
89208		AD574857
89209		AD574867
89211		AD574877
89212		AD574887
89213		AD574897
89214		AD574907
89215		AD574917
89216		AD574927
89217		AD574937
89218		AD574947
89219		AD574957

MM / INCH

COD.	Descripción / *Description* / Description
89021	Grillete / *Shackle* / Manille
89022	
89023	
89016	
89017	
89018	

ACO

LLAVES DE GOLPE SEGURIDAD TOTAL ANTICHISPA / *NON SPARKING TOTAL SAFETY SLOGGING WRENCHES* / CLÉS À FRAPPER SÉCURITÉ TOTALE ANTIDÉFLAGRANT / *SCHLAGRINGSCHLÜSSEL MIT SICHERUNG FUNKENFREI* / CHIAVI A BATTERE SICUREZZA TOTALE ANTISCINTILLA / *CHAVES DE LUNETA SÉRIE PANCADA DE SEGURANÇA TOTAL ANTI-CHISPA* / КОЛЬЦЕВОЙ ИСКРОБЕЗОПАСНЫЙ УДАРНЫЙ КЛЮЧ-ЗВЕЗДОЧКА С ПОДВЕСОМ



MM

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)		Kg
AD360987	22	165	42	14	8,5	36191	0,2
AD360997	24						
AD361007	25						
AD361017	26	175	46	16	9,5		0,3
AD360747	27						
AD361027	28						
AD361037	29	185	53		10,5		0,4
AD360757	30						
AD361047	31						
AD360767	32						
AD361057	33	200	58	19	11		0,5
AD361067	34						
AD361077	35						0,6
AD360777	36						
AD361087	37						
AD361097	38	220	64	20	12		0,7
AD361107	39						
AD361117	40						
AD361127	41						
AD361137	42						
AD361147	43	230	73	22	13		0,8
AD361157	44						
AD361167	45						
AD361177	46						
AD361187	47	240	78	23	13,5	36192	0,9
AD361197	48						
AD361207	49						
AD361217	50	250					1,0
AD361227	51						1,1
AD361237	52						
AD361247	53	260	86	23,5	14		1,3
AD361257	54						
AD361267	55						
AD361277	56						
AD361287	57						
AD361297	58	270	92	25,5	15		1,4
AD361307	59						
AD361317	60						
AD361327	61						
AD361337	62						1,5
AD361347	63	300	102	28	16		
AD361357	64						
AD361367	65						1,8
AD361377	66						
AD361387	67	320	108	31,5	17	36193	2,2
AD361397	68						
AD361407	69						
AD361417	70	320	108	31,5	17	36193	2,2
AD361427	71						
AD361437	72						2,7
AD361447	73	330	113	33	18		
AD361457	74						
AD361467	75						2,9

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cu-Be

INCH

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)		Kg
AD361507	7/8	165	42	14	8,5	36191	0,4
AD361517	15/16						
AD361527	1	175	46	16	9,5		0,5
AD361537	1.1/16						
AD361547	1.1/8	185	53		10,5		
AD361557	1.3/16				10,6		
AD361567	1.1/4				10,7		
AD361577	1.5/16				10,8		
AD361587	1.3/8	200	58	19	11		0,6
AD361597	1.13/32						
AD361607	1.7/16						
AD361617	1.1/2	220	64	20	12		0,7
AD361627	1.9/16						
AD361637	1.5/8						
AD361647	1.11/16						
AD361657	1.3/4	230	73	22	13		0,8
AD361667	1.13/16						
AD361677	1.7/8						
AD361687	1.15/16	250					
AD361697	2						
AD361707	2.1/16	260	78	23	13,5	36192	1,3
AD361717	2.1/8						
AD361727	2.3/16						
AD361737	2.13/64	270	92	25.5	15		
AD361747	2.1/4						1,4
AD361757	2.5/16						
AD361767	2.3/8						
AD361777	2.7/16	280					
AD361787	2.1/2	300	102	30	16		1,5
AD361797	2.9/16						
AD361807	2.5/8					36193	
AD361817	2.3/4	320	108	31.5	17		2,3

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cu-Be

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MM

COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
89129	Set 5 pcs hilo tórico / *Set of 5 o-ring cords* / Jeu de 5 pcs corde	AD574257
89131		AD574277
89132		AD574287
89133		AD574297
89134		AD562957
89135		AD574307
89136		AD574317
89137		AD562967
89138		AD574327
89139		AD574337
89140		AD574347
89141		AD574357
89142		AD574367
89143		AD574377
89144		AD574387
89145		AD574397
89146		AD361107
89147		AD361117
89148		AD574407
89149		AD574417
89150		AD361147
89151		AD361157
89152		AD574427
89153		AD574437
89154		AD574447
89155		AD574457
89156		AD361207
89157		AD574467
89158		AD361227
89159		AD574477
89160		AD361247
89161		AD574487
89162		AD574497
89163		AD574507
89164		AD361287
89165		AD574517
89166		AD574527
89167		AD574537
89168		AD574547
89169		AD574557
89170		AD574567
89171		AD574577
89172		AD562977
89173		AD574587
89174		AD574597
89175		AD574607
89176		AD574617
89177		AD574627
89178		AD574047
89179		AD574057
89180		AD574067
89181		AD574077
89182		AD574087

x5

INCH

COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
89187	Set 5 pcs hilo tórico / *Set of 5 o-ring cords* / Jeu de 5 pcs corde	AD574657
89188		AD574667
89189		AD574677
89190		AD574687
89191		AD574697
89192		AD574707
89193		AD574717
89194		AD574727
89195		AD574737
89196		AD361597
89197		AD574747
89198		AD574757
89199		AD574767
89200		AD574777
89201		AD574787
89202		AD574797
89203		AD574807
89204		AD574817
89205		AD574827
89206		AD574837
89207		AD574847
89208		AD574857
89209		AD574867
89210		AD361737
89211		AD574877
89212		AD574887
89213		AD574897
89214		AD574907
89215		AD574917
89216		AD574927
89217		AD574937
89219		AD574957

x5

MM / INCH

COD.	Descripción / *Description* / Description	MAT.
36191	Grillete / *Shackle* / Manille	Al-Bron
36192		
36193		



NATO OTAN
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Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ACO

LLAVES FIJAS / *OPEN-END WRENCHES* / CLÉS À FOURCHE / *GABELSCHLÜSSEL* / CHIAVI FISSE / *CHAVES DUAS BOCAS* / РОЖКОВЫЕ КЛЮЧИ

MM



COD.	AF mm
AD617017	6-7
AD629287	7-8
AD617027	8-9
AD679087	8-10
AD617037	10-11
AD626297	10-13
AD679097	11-13
AD617047	12-13
AD679107	12-14
AD679117	13-14
AD679127	13-15
AD679137	13-16
AD617057	14-15
AD679147	13-17
AD629307	14-17
AD617067	16-17
AD679157	16-18
AD617007	17-19
AD617077	18-19
AD679167	18-21
AD629317	19-22
AD617087	20-22
AD617097	21-23
AD639617	21-24
AD679177	22-24
AD617107	24-26
AD616527	24-27
AD617117	25-28
AD617127	27-29
AD679187	27-30
AD679197	27-32
AD617137	30-32

DIN 3110

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale

INCH



COD.	AF inch
AD603007	1/4-5/16
AD603017	5/16-3/8
AD679417	5/16-11/32
AD603027	3/8-7/16
AD679427	7/16-1/2
AD603037	1/2-9/16
AD603047	9/16-5/8
AD603057	19/32-11/16
AD603067	5/8-11/16
AD679437	5/8-3/4
AD603077	11/16-3/4
AD603087	3/4-25/32
AD603097	3/4-7/8
AD603107	13/16-7/8
AD679447	7/8-15/16
AD603117	15/16-1
AD679457	15/16-1.1/8
AD603127	1-1.1/8
AD603137	1.1/16-1.1/8
AD603147	1.1/16-1.1/4

DIN 3110

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée

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Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ID 0910098046
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ACO

LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *RINGGABELSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАНЫЕ КЛЮЧИ

MM



COD.	AF mm
AD617257	6
AD617267	7
AD617277	8
AD617287	9
AD617297	10
AD617307	11
AD617317	12
AD617327	13
AD617337	14
AD617347	15
AD617357	16
AD617367	17
AD617377	18
AD617387	19
AD617397	20
AD617407	21
AD617417	22
AD617427	23
AD617437	24
AD617447	25
AD617457	26
AD617467	27
AD617477	28
AD617487	29
AD617497	30
AD617507	32

DIN 3113

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale

INCH



COD.	AF inch
AD603407	1/4
AD603417	5/16
AD678787	11/32
AD603427	3/8
AD603437	7/16
AD603447	1/2
AD603457	9/16
AD603467	19/32
AD603477	5/8
AD603487	11/16
AD603497	3/4
AD603507	25/32
AD603517	13/16
AD603527	7/8
AD603537	15/16
AD603547	1
AD603557	1.1/16
AD603567	1.1/8
AD603577	1.3/16
AD603587	1.1/4
AD609577	1.5/16
AD609587	1.3/8
AD609617	1.7/16
AD609597	1.1/2
AD609627	1.5/8
AD608977	1.3/4
AD608987	1.13/16
AD608997	1.7/8
AD609607	2

DIN 3113

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée

NATO OTAN
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Management System
ISO 9001:2015
ISO 14001:2015
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ACO

LLAVES ACODADAS / *DOUBLE OFFSET RING WRENCHES* / CLÉS POLYGONALES CONTRE-COUDÉES / *RINGSCHLÜSSEL* / CHIAVI POLIGONALI / *CHAVES LUNETA* / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

MM



COD.	AF mm
AD617757	6-7
AD678437	7-8
AD617767	8-9
AD678447	8-10
AD617777	10-11
AD678457	10-12
AD678467	10-13
AD678477	11-13
AD678487	11-14
AD617787	12-13
AD678497	12-14
AD678507	13-14
AD617797	14-15
AD678517	13-16
AD678527	13-17
AD678537	14-17
AD617807	16-17
AD678547	16-18
AD678557	17-19
AD617817	18-19
AD678567	18-21
AD678577	19-22
AD617827	20-22
AD617837	21-23
AD678587	21-24
AD678597	22-24
AD617847	24-26
AD617887	24-27
AD617857	25-28
AD617867	27-29
AD678607	27-30
AD617877	30-32

DIN 838

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V
Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale

INCH



COD.	AF inch
AD603807	1/4-5/16
AD678867	5/16-11/32
AD603817	5/16-3/8
AD603827	3/8-7/16
AD678877	7/16-1/2
AD603837	1/2-9/16
AD603847	9/16-5/8
AD603857	19/32-11/16
AD603867	5/8-11/16
AD678887	5/8-3/4
AD603877	11/16-3/4
AD678897	11/16-13/16
AD603887	3/4-25/32
AD603897	3/4-7/8
AD678907	3/4-13/16
AD603907	13/16-7/8
AD678917	7/8-15/16
AD678927	7/8-1.1/16
AD603917	15/16-1
AD678937	1-1.1/16
AD603927	1-1.1/8
AD603937	1.1/16-1.1/8
AD603947	1.1/16-1.1/4
AD678947	1.1/8-1.1/4

DIN 838

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V
Cromado pulido espejo / *Mirror polished chrome plating* / Polie chromée

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ACO

LLAVES DE PIPA ABIERTA / *ANGLED OPEN SOCKETS* / CLÉS À PIPE DEBOUCHEES / *PFEIFFENKOPFSCHLÜSSEL* / CHIAVI A PIPA APERTE / *CHAVE DE CACHIMBO ABERTAS* / ГОЛОВКА С РУКОЯТКОЙ ПОД 90 ГРАДУСОВ



COD.	AF mm	AF inch
AD611727	8	5/16
AD611747	10	25/64
AD611757	11	7/16
AD611767	12	15/32
AD611777	13	-
AD611787	14	35/64
AD611797	15	-
AD611807	16	
AD611817	17	
AD611827	18	
AD611837	19	3/4
AD611857	21	-
AD611867	22	
AD611877	23	29/32
AD611887	24	-
AD611947	30	1.3/16

TITACROM® | DIN 475

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
6 x 6

DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *SCHRAUBENZIEHER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

MASTERTORK

MECÁNICO / *SLOTTED* / MECANICIEN / *FÜR SCHLITZSCHRAUBEN* / PER MECCANICI / *MECÂNICO* / ПЛОСКАЯ

MM



COD.	mm	mm
AD664007	3	80
AD664017	4	100
AD664027	5,5	
AD664037		125
AD664047	6,5	
AD664057		150
AD664067	8	
AD664077		200
AD664487	9,5	
AD664087	10	
AD664097	12	250
AD664497	13	
AD664107	14	

DIN 5265

INCH



COD.	inch	inch
AD553307	1/8	3
AD553317	5/32	4
AD553327	7/32	
AD553337		5
AD553347	1/4	
AD553357		6
AD553367	5/16	
AD553377		8
AD553387	3/8	
AD553397	25/64	
AD553407	15/32	10
AD553417	1/2	

DIN 5265

ACO

MM



COD.	mm	mm
AD664137	4	100
AD664147	5,5	125
AD664157	6,5	
AD664167	8	150
AD664177	10	200
AD664187	12	250
AD664197	14	

DIN 5265

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

INCH



COD.	inch	inch
AD553447	5/32	4
AD553457	7/32	5
AD553467	1/4	
AD553477	5/16	6
AD553487	25/64	8
AD553497	15/32	10

DIN 5265

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM



COD.	mm	mm
AD664207	2,5	75
AD664217	3	60
AD664227		100
AD664237	4	125
AD664247		150
AD664117		300
AD664257	5,5	150
AD664127		300
AD664267	6,5	150
AD664277	8,0	175

DIN 5265

INCH



COD.	inch	inch
AD553527	3/32	3
AD553547	1/8	4
AD553557	5/32	5
AD553567		6
AD553577		12
AD553587	7/32	6
AD553597		12
AD553607	1/4	6
AD553617	5/16	7

DIN 5265

PHILLIPS®*



COD.	⊕	mm
AD664387	PH-0	60
AD664397	PH-1	100
AD664377		300
AD664407	PH-2	125
AD664437		300
AD664417	PH-3	150
AD664427	PH-4	200

DIN 5262



COD.	⊕	mm
AD664447	PH-1	100
AD664457	PH-2	125
AD664467	PH-3	150
AD664477	PH-4	200

DIN 5262

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

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- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

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Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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POZIDRIV®*



COD.		mm
AD664567	PZ-0	60
AD664577	PZ-1	100
AD664727		300
AD664587	PZ-2	125
AD664737		300
AD664597	PZ-3	150
AD664607	PZ-4	200

DIN 5262



COD.		mm
AD664627	PZ-1	100
AD664637	PZ-2	125
AD664647	PZ-3	150
AD664657	PZ-4	200

DIN 5262

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Hexagonal / *Hexagonal* / Hexagonale

TORX®*



COD.		mm
AD664747	T-6	50
AD664757	T-7	
AD664767	T-8	
AD664777	T-9	75
AD664787	T-10	
AD664797	T-15	
AD664807	T-20	100
AD664817	T-25	
AD664827	T-27	115
AD664837	T-30	125
AD664847	T-40	
AD664857	T-45	150
AD664867	T-50	175

DIN 5262

TAMPER TORX



COD.		mm
AD664877	TT-6	50
AD664887	TT-7	
AD664897	TT-8	
AD664907	TT-9	75
AD664917	TT-10	
AD664927	TT-15	
AD664937	TT-20	100
AD664947	TT-25	
AD664957	TT-27	115
AD664967	TT-30	125
AD664977	TT-40	
AD664987	TT-45	150
AD664997	TT-50	175

PUNTA ESFERA / *BALL TIP* / TÊTE SPHÉRIQUE / *KUGELKOPF* / TESTA SFERICA / *PONTA ESFERICA* / С ШАРОВОЙ ГОЛОВКОЙ

MM



COD.		mm
AD665017	2,5	75
AD665027	3	
AD665037	4	100

INCH



COD.		inch
AD553647	1/8	3
AD553657	5/32	4
AD553687	5/16	6
AD553697	25/64	

- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

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ACO

ROBERTSON



COD.		mm
AD665307	1	100
AD665317	2	125
AD665327	3	150

CARROCERO / *STUBBY* / TOM POUCE / *SCHRAUBENDREHER, KURZE FORM* / CACCIAVITI NANI / *COTOS* / КОРОТКАЯ

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM



COD.	mm	mm
AD665257	5,5	25

DIN 5265

INCH



COD.	inch	inch
AD553717	7/32	1

DIN 5265

PHILLIPS®*



COD.		mm
AD671927	PH-1	25
AD665267	PH-2	

DIN 5262

POZIDRIV®*



COD.		mm
AD671937	PZ-1	25
AD665277	PZ-2	

DIN 5262

DE VASO / *SOCKET SCREWDRIVER* / CLÉ À DOUILLE EMMANCHÉE / *6-KANT STECKSCHLÜSSEL* / BUSSOLE / *DE CAIXA* / ОТВЕРТКА С ГОЛОВКОЙ

MM



COD.	mm	mm
AD665107	4	150
AD665117	5	
AD665127	5,5	
AD665137	6	160
AD665147	7	175
AD665157	8	
AD665167	9	
AD665177	10	
AD665187	11	
AD665197	12	
AD665207	13	
AD665217	14	

INCH



COD.	inch	inch
AD553737	5/32	6
AD553747	3/16	
AD553757	7/32	
AD553767	1/4	
AD553787	5/16	7
AD553797	11/32	
AD553807	25/64	
AD553827	15/32	
AD553837	1/2	

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- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ACO

MICROTRONIC

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRONICA / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM



COD.	mm	mm
AD668467	2	50
AD668487	3	75
AD668497	4	

DIN 6265

PHILLIPS®*



COD.		mm
AD668507	PH-00	50
AD668517	PH-0	
AD668527	PH-1	75

DIN 6262

LIMAS, ESCOFINAS, BOTADORES Y GRANETES / *FILES, RASPS & PUNCHES* / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / *FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER* / LIMA, RASPE E PUNZONI / *LIMAS, GROSAS E PUNÇÕES* / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

STANDARD

LIMAS PLANAS PARALELAS / *HAND FILES* / LIMES PLATES PARALLELES / *FLACHSTUMPF* / LIMA PIATTA PARALLELA / *LIMAS PARALELAS* / РУЧНЫЕ НАПИЛЬНИКИ



COD.	L (inch)	
AD634917	4	1
AD634927		2
AD634937		3
AD634947	6	1
AD634957		2
AD634967		3
AD634977	8	1
AD634987		2
AD634997		3
AD635007	10	1
AD635017		2
AD635027		3
AD635037	12	1
AD635047		2
AD635057		3
AD635067	14	1
AD635077		2
AD635087		3

1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

LIMAS PLANAS DE PUNTA / *FLAT FILES* / LIMES PLATES DE BOUT / *FLACHSPITZ* / LIMA PIATTA A PUNTA / *LIMAS CHATAS* / ПЛОСКИЕ НАПИЛЬНИКИ



COD.	L (inch)	
AD635277	4	1
AD635287		2
AD635297		3
AD635307	6	1
AD635317		2
AD635327		3
AD635337	8	1
AD635347		2
AD635357		3
AD635367	10	1
AD635377		2
AD635387		3
AD635397	12	1
AD635407		2
AD635417		3
AD635427	14	1
AD635437		2
AD635447		3

1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

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- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
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ACO

LIMAS MEDIA CAÑA / *HALF ROUND FILES* / LIMES DEMI-RONDES / *HALBRUND-FEILEN, SPITZE FORM* / LIMA MEZZATONDA / *LIMAS MEIA CANA* / ПОЛУКРУГЛЫЕ НАПИЛЬНИКИ



COD.	L (inch)	
AD635637	4	1
AD635647		2
AD635657		3
AD635667	6	1
AD635677		2
AD635687		3
AD635697	8	1
AD635707		2
AD635717		3
AD635727	10	1
AD635737		2
AD635747		3
AD635757	12	1
AD635767		2
AD635777		3
AD635787	14	1
AD635797		2
AD635807		3

1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

LIMAS TRIANGULARES / *TRIANGULAR FILES* / LIMES TRIANGULAIRES / *DREIKANTFEILEN* / LIMA TRIANGOLARE / *LIMATÕES TRIANGULARES* / ТРЕУГОЛЬНЫЕ НАПИЛЬНИКИ



COD.	L (inch)	
AD635997	4	1
AD636007		2
AD636017		3
AD636027	6	1
AD636037		2
AD636047		3
AD636057	8	1
AD636067		2
AD636077		3
AD636087	10	1
AD636097		2
AD636107		3
AD636117	12	1
AD636127		2
AD636137		3
AD636147	14	1
AD636157		2
AD636167		3

1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

LIMAS CUADRADAS / *SQUARE FILES* / LIMES CARRÉES / *VIERKANTFEILEN* / LIMA QUADRA / *LIMATÕES QUADRADOS* / КВАДРАТНЫЕ НАПИЛЬНИКИ



COD.	L (inch)	
AD636357	4	1
AD636367		2
AD636377		3
AD636387	6	1
AD636397		2
AD636407		3
AD636417	8	1
AD636427		2
AD636437		3
AD636447	10	1
AD636457		2
AD636467		3
AD636477	12	1
AD636487		2
AD636497		3
AD636507	14	1
AD636517		2
AD636527		3

1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

LIMAS REDONDAS / *ROUND FILES* / LIMES RONDES / *RUNDFEILEN* / LIMA TONDA / *LIMATÕES REDONDOS* / КРУГЛЫЕ НАПИЛЬНИКИ



COD.	L (inch)	
AD636717	4	1
AD636727		2
AD636737		3
AD636747	6	1
AD636757		2
AD636767		3
AD636777	8	1
AD636787		2
AD636797		3
AD636807	10	1
AD636817		2
AD636827		3
AD636837	12	1
AD636847		2
AD636857		3
AD636867	14	1
AD636877		2
AD636887		3

1 : Basta / *Bastard* / Bâtarde
2 : Entrefina / *Medium* / Demi-douce
3 : Fina / *Smooth* / Douce

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

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LIMAS AFILADO / *SHARPENING FILES* / LIMES AIGUILLES / *PRÄZISIONSNADELFEILEN DÜNN* / LIMA AFFILATA / *LIMAS DE AFIAR, DE AGRICULTOR* / ЗАТАЧИВАЮЩИЕ НАПИЛЬНИКИ

LIMA TRIANGULAR DELGADA / *SLIM TAPER SAW* / LIME TRIANGULAIRE ETROITE / *PRÄZISIONNADELFEILEN DÜNN* / LIMA TRIANGOLARE / *LIMAS TRIANGULARES FINAS* / ТРЕУГОЛЬНЫЙ НАПИЛЬНИК



COD.	L (inch)	
AD636927	4	4
AD636937	5	

4 : Extrafina / *Very smooth* / Extrafine

LIMA TRIANGULAR EXTRA-DELGADA / *EXTRA REGULAR TAPER SAW* / LIME EXTRA FINE / *DREIKANTFEILEN* / LIMA TRIANGOLARE EXTRA-SOTTILE / *LIMAS TRIANGULARES EXTRA-FINAS* / МЕЛКИЙ ТРЕУГОЛЬНЫЙ НАПИЛЬНИК



COD.	L (inch)	
AD636967	4	4
AD636977	5	

4 : Extrafina / *Very smooth* / Extrafine

ESCOFINAS / *RASPS* / RAPES / *SCHABER* / RASPA / *GROSAS* / РАШПИЛИ

ESCOFINAS PLANAS PARALELAS / *HAND WOOD RASPS* / RÂPES PLATES PARALLÈLES / *FLACH RAPS* / RASPA PIATTA PARALLELA / *GROSAS PARALELAS* / РУЧНЫЕ РАШПИЛИ ПО ДЕРЕВУ



COD.	L (inch)	/cm
AD637007	10	3
AD637017	12	

ESCOFINAS MEDIA CAÑA / *HALF ROUND RASPS* / RÂPES DEMI-RONDES / *HALBRUND RAPS* / RASPA MEZZOTANDA / *GROSAS MEIA CANA* / ПОЛУКРУГЛЫЙ РАШПИЛЬ



COD.	L (inch)	/cm
AD637067	6	3
AD637077	8	
AD637087	10	
AD637097	12	

ESCOFINAS REDONDAS / *ROUND RASPS* / RAPES RONDES / *RUNDE RAPS* / RASPA TONDA / *GROSAS REDONDAS* / КРУГЛЫЕ РАШПИЛИ



COD.	L (inch)	/cm
AD637127	8	3
AD637137	10	

BOTADORES CILINDRICOS / *PIN PUNCHES* / CHASSE GOUPILLES / *DURCHSCHLÄGER* / PUNZONE CILINDRICO / *PUNÇÕES CILÍNDRICOS* / ПРОБОЙНИКИ

CON MANGO / *WITH HANDLE* / CHASSE CLOU EMMENCHÉ / *MIT GRIFF* / CON MANICO / *COM CABO* / СРУКОЯТКОЙ



COD.	Ø (mm)	L (mm)
AD634477	2	165
AD634487	3	175
AD634497	4	185
AD634517	6	200
AD634537	8	210
AD634557	10	220
AD634567	12	230

BOTADORES CÓNICOS / *TAPER PUNCHES* / CHASSE CLOU / *KÖRNER* / PUNZONE CONICO / *PUNÇÕES CÓNICOS* / КОНИЧЕСКИЕ ПРОБОЙНИКИ

CON MANGO / *WITH HANDLE* / AVEC MANCHE / *MIT GRIFF* / CON MANICO / *COM CABO* / С РУКОЯТКОЙ



COD.	Ø (mm)	L (mm)
AD634597	2	165

GRANETE / *CENTER PUNCHES* / POINTEAUX / *KÖRNER* / PUNZONI / *PUNÇÕES* / МЕТЧИКИ

CON MANGO / *WITH HANDLE* / CHASSE CLOU EMMENCHÉ / *MIT GRIFF* / CON MANICO / *COM CABO* / С РУКОЯТКОЙ



COD.	Ø (mm)	L (mm)
AD634697	5	175

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
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ISO 14001:2015
www.tuv.com
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HERRAMIENTA PARA TUBO / *PIPE TOOLS* / OUTILLAGE TUBE / *ROHR WERKZEUGE* / FERRAMENTI PER TUBI / *FERRAMENTA PARA TUBOS* / ТРУБНЫЙ ИНСТРУМЕНТ

LLAVES PARA TUBO / *PIPE WRENCHES* / CLÉS SERRE-TUBES / *EINHAND ROHRZANGE* / CHIAVE GIRATUBI / *CHAVES PARA TUBOS* / ТРУБНЫЕ КЛЮЧИ

MASTERGRIP



COD.	L (inch)
AD614057	10
AD614067	14
AD614077	18

LLAVES STILLSON / *STILLSON PIPE WRENCHES* / CLÉS STILLSON / *STILLSON ROHRZANGE* / GIRATUBI MODELLO STILLSON / *CHAVES STILLSON* / ТРУБНЫЕ КЛЮЧИ STILLSON

REFORZADA / *REINFORCED* / RENFORCEE / *VERSTARK* / RINFORZATA / *REFORÇADA* / УСИЛЕННЫЕ



COD.	L (inch)
AD610017	8
AD610027	10
AD610037	12
AD610047	14

UNE 16552 / BS 3594-1 / GGG-W-00651d

LLAVE HEAVY DUTY / *HEAVY DUTY PIPE WRENCH* / CLÉ SERRE-TUBES HEAVY DUTY / *HEAVY DUTY ROHRZANGE* / GIRATUBI MODELLO AMERICANO PESANTE / *CHAVE HEAVY DUTY* / ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК



COD.	L (inch)
AD612997	6
AD610147	8
AD610157	10
AD610167	12
AD610177	14

GGG-W-651-E, Type II Class A

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con pasador de seguridad / *With safety pin* / Avec goupille de fixation securisée

LLAVE DE ALUMINIO / *ALUMINIUM PIPE WRENCH* / CLÉ SERRE-TUBES EN ALLIAGE LEGER / *ALUMINIUM ROHRZANGE* / GIRATUBI MODELLO AMERICANO IM ALLUMINIO / *CHAVE ALUMINIO* / АЛЮМИНИЕВЫЕ ТРУБНЫЕ КЛЮЧИ

TITALUM®



COD.	L (inch)
AD610447	10
AD610237	12
AD610247	14
AD610267	24

TITALUM® | GGG-W-651-E, Type II Class C

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con pasador de seguridad / *With safety pin* / Avec goupille de fixation securisée

LLAVE REFINERÍA PARA TUBO Y VÁLVULAS / *REFINERY PIPE AND VALVE WRENCH* / CLÉ DE RAFFINERIE POUR TUBES ET VANNES / *LEITUNG UND VENTIL SCHLÜSSEL F/ RAFFINERIE* / GIRATUBO PER RAFFINERIA E VALVOLE / *CHAVE DE REFINARIA PARA TUBO E VÁLVULAS* / КОМБИНИРОВАННЫЙ ТРУБНЫЙ КЛЮЧ С МОЛОТКОМ И УХОМ ДЛЯ ЗАТЯЖКИ ВЕНТИЛЕЙ



COD.	L (inch)
AD575807	8
AD575817	10
AD575827	12

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con pasador de seguridad / *With safety pin* / Avec goupille de fixationsecurisée

LLAVE SPUD / *SPUD PIPE WRENCH* / CLÉ SPUD / *VERSTELLBARE ROHRZANGE* / GIRATUBI MODELLO SPUD / *CHAVE PARA TUBO SPUD* / ТРУБНЫЙ КЛЮЧ С ПАРАЛЛЛЕЛЬНЫМИ ГУБКАМИ



COD.	L (inch)
AD613697	12

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con pasador de seguridad / *With safety pin* / Avec goupille de fixation securisée

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

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LLAVE HEXAGONAL / *HEX PIPE WRENCH* / CLÉ HEXAGONALE / *SECHSKANT ROHRZANGE* / GIRATUBI HEXAGONALE / *CHAVE PARA TUBO HEXAGONAL* / ТРУБНЫЙ КЛЮЧ ДЛЯ ШЕСТИГРАННИКОВ



COD.	L (inch)
AD613687	14.1/2

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con pasador de seguridad / *With safety pin* / Avec goupille de fixation securisée

LLAVE HEXAGONAL CURVA / *HEXAGONAL OFFSET PIPE WRENCH* / CLÉ HEXAGONALE COUDÉE / *GEKRÖPFTE ROHRZANGE* / GIRATUBI HEXAGONALE CURVO / *CHAVE HEXAGONAL INCLINADA* / ИЗОГНУТЫЙ ТРУБНЫЙ КЛЮЧ ДЛЯ ШЕСТИГРАННИКОВ



COD.	L (inch)
AD613677	9.1/2

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Con pasador de seguridad / *With safety pin* / Avec goupille de fixation securisée

LLAVE DE CADENA REVERSIBLE / *REVERSIBLE CHAIN PIPE WRENCH* / CLÉ À CHAINE RÉVERSIBLE / *KETTENROHRZANGE* / CHIAVE A CATENA REVERSIBILE / *CHAVE CORRENTE REVERSIVEL* / РЕВЕРСИВНЫЙ ЦЕПНОЙ КЛЮЧ



COD.	L (mm)	L (inch)
AD610357	300	12

LLAVE DE CORREA / *STRAP WRENCH* / CLÉ À SANGLE / *GURTROHRZANGE* / GIRATUBI A NASTRO / *CHAVE DE CORREIA* / РЕМЕШКОВЫЙ КЛЮЧ



COD.	CAP. (inch)
AD614807	3
AD614817	8
AD614827	12

TENAZA GRIP MULTIPOSICIÓN DE GRAN CAPACIDAD / *MULTIPOSITION LARGE CAPACITY GRIP PLIER* / PINCE ÉTAU GRANDE CAPACITÉ, MULTIPOSITIONS / *GRIPZANGE FÜR GROSSE DURCHMESSER* / PINZA AUTOBLOCCANTE A DOPPIA REGOLAZIONE / *ALICATE DE GRIF MULTIPOSIÇÃO DE GRANDE CAPACIDADE* / МНОГОПОЗИЦИОННЫЕ ЗАЖИМНЫЕ ЩИПЦЫ GRIP С БОЛЬШОЙ ЕМКОСТЬЮ



COD.	L (inch)
AD620977	10

TENAZA GRIP CORTACABLES / *GRIP PLIER WITH WIRE CUTTER* / PINCE ÉTAU À COUPE / *GRIPZANGE MIT DRAHTSCHNEIDER* / PINZE A MORSETTO TAGLIACAVI / *ALICATE DE GRIF CORTA CABOS* / КЛЕЩИ ДЛЯ СВАРКИ С РЕЗКОЙ ПРОВОДОВ



COD.	L (inch)
AD621787	7
AD621727	10

BE SAFE...BE EFFICIENT

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ACO

CORTE / *CUTTING* / OUTILS COUPANTS / *SCHNEIDWERKZEUG* / ARCHETTI / *CORTE* / РЕЗКА

CORTADORES DE SEGURIDAD CON CUCHILLA AUTO-RETRÁCTIL / *SAFETY CUTTER WITH AUTO-RETRACTABLE BLADE* / CUTTER DE SÉCURITÉ AVEC LAME AUTO-RÉTRACTABLE / *SICHERHEITSMESSER MIT AUTOMATISCH EINZIEHBARER KLINGE* / TAGLIERINO DI SICUREZZA CON LAMA AUTOMATICA - RETRAIBILE / *X-ACTOS DE SEGURANÇA COM LÂMINA AUTO-RETRACTIL* / БЕЗОПАСНЫЙ НОЖ С АВТОМАТИЧЕСКИ УБИРАЕМЫМ ЛЕЗВИЕМ



COD.	mm
AD638767	0,6



COD.	mm
AD638777	0,6



COD.	mm
AD638787	0,6

ARCO DE SIERRA / *HACK SAW* / MONTURE DE SCIE À METAUX / *METALLSÄGEBOGEN* / ARCHETTI / *ARCOS DE SERRA* / НОЖОВКА

KRONOS 0º & 45º & 90º



COD.	inch	mm
AD637427	12	300

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Aluminio / *Aluminum* / Aluminium

TIJERAS PARA CHAPA / *TIN SNIPS* / CISAILLES À TOLE / *BLECHSCHEREN* / CESOIE PER LAMIERA / *TESOURA PARA CHAPA* / НОЖНИЦЫ ДЛЯ ЛИСТОВОГО МЕТАЛЛА



COD.	L (inch)
AD622327	8
AD621597	10
AD622337	12
AD622347	14

CINCEL MECÁNICO / *FLAT COLD CHISEL* / BURIN MÉCANICIEN / *FLACHMEIßEL* / SCALPELLO PER MECCANICO / *ESCOPRO MECÂNICO* / ПЛОСКОЕ ЗУБИЛО



COD.	L x W (mm)
AD628477	100 x 12
AD628487	125 x 15
AD628497	150 x 18
AD628507	200 x 21
AD628537	250 x 25



COD.	L x W (mm)
AD628657	250 x 25
AD628677	300 x 25

PUNTERO / *POINTED CHISEL* / BROCHE / *SPITZMEISSEL* / SCALPELLI PER MURATORI / *PONTEIRO* / КОНУСНОЕ ЗУБИЛО



COD.	L x W (mm)
AD633407	250 x 16

RASQUETA PARA JUNTAS / *GASKET SCRAPER* / GRATTOIR À JOINTS / *DICHTUNGSSCHABER* / RASCHIETTO PER GIUNTI / *RASCADOR PARA JUNTAS* / СКРЕБОК ДЛЯ УДАЛЕНИЯ ПРОКЛАДОК



COD.	L (mm)
AD671957	260

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Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
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MARTILLOS / *HAMMERS* / MARTEAUX / *HÄMMER* / MARTELLI / *MARTELOS* / МОЛОТКИ И КУВАЛДЫ

MAZA DE CARAS OCTOGONALES / *SLEDGE HAMMER* / MASSE OCTOGONALE / *STEINSLEGGER* / MAZZA OTTOGONALE / *MARRETA OCTOGONAL* / КУВАЛДА КУЗНЕЧНАЯ



COD.	Lb
AD696507	4
AD696517	6
AD696527	8

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



COD.	Lb
AD685307	4
AD685327	8
AD685337	10
AD685347	12

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MACETA MOD. ESPAÑOL / *SPANISH TYPE MALLET* / MASSETTE ESPAGNOLE / *FÄUSTEL* / MAZZETA MOD. SPAGNOLO / *MARRETA MOD. ESPANHOL* / КУВАЛДА ИСПАНСКИЙ ТИП ДЛЯ КАМНЯ



COD.	Kg
AD696607	1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



COD.	Kg
AD696627	0,7
AD696637	1
AD696647	1,4

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MACETA CUADRADA TIPO ALEMÁN / *GERMAN TYPE MALLET* / MASSETTE TYPE ALLEMAND / *FÄUSTEL* / MAZZETA / *MARRETA* / КУВАЛДА НЕМЕЦКИЙ ТИП ДЛЯ КАМНЯ



COD.	Kg
AD696667	0,8
AD696677	1
AD696697	1,5

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MACETA MODELO INGLÉS / *BRITISH TYPE MALLET* / MASSETTE TYPE ANGLAIS / *FÄUSTEL* / MAZZETA MOD. INGLES / *MARRETA MOD. INGLES* / КУВАЛДА БРИТАНСКИЙ ТИП ДЛЯ КАМНЯ



COD.	lb
AD696737	2,5
AD696747	3

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

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www.tuv.com
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MARTILLO ALEMÁN / *GERMAN TYPE MACHINIST'S HAMMER* / MARTEAU DE MECANICIEN / *SCHLOSSERHAMMER, DEUTSCHE FORM* / MARTELLO TEDESCO / *MARTELO TIPO ALEMÃO* / СЛЕСАРНЫЙ МОЛОТОК НЕМЕЦКИЙ ТИП



COD.	g
AD697317	200
AD697327	300
AD697337	400
AD697347	500
AD697357	600
AD697367	800
AD697377	1000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO DE EBANISTA / *JOINER'S HAMMER* / MARTEAU DE MENUISIER / *HOLZSCHNITZERHAMMER* / MARTELLO FALEGNAME / *MARTELO DE PENA* / СТОЛЯРНЫЙ МОЛОТОК



COD.	g
AD696847	150
AD696857	200
AD696867	250
AD696877	350
AD696887	450
AD696897	550

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO RIVOIR / *FRENCH TYPE MACHINIST'S HAMMER* / MARTEAU RIVOIR / *RIVOIR HAMMER* / MARTELLO RIVOIR / *MARTELO PENA TIPO RIVOIR* / СЛЕСАРНЫЙ МОЛОТОК ФРАНЦУЗСКИЙ ТИП



COD.	g
AD697387	250
AD697397	375
AD697407	675
AD697417	900
AD697567	1100

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO DE BOLA / *BALL PEIN HAMMER* / MARTEAU À BOULE / *SCHLOSSERHAMMER, ENGLISCHE FORM* / MARTELLO A PALLA / *MARTELO DE BOLA* / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ



COD.	g
AD697047	250
AD697057	350
AD697067	500
AD697077	700
AD697087	1000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO DE ENCOFRADOR / *SPANISH TYPE CLAW HAMMER* / MARTEAU DE COFFREUR / *KLAUENHAMMER* / MARTELLO CARPENTIERE / *MARTELO DE COFRADOR* / МОЛОТОК-ГВОЗДОДЕР ИСПАНСКИЙ ТИП



COD.	g
AD697157	300
AD697167	400
AD697177	500

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

MARTILLO DE UÑA / *CLAW HAMMER* / MARTEAU DE CHARPENTIER / *KLAUENHAMMER* / MARTELLO CARPENTIERE / *MARTELO DE UNHA* / МОЛОТОК-ГВОЗДОДЕР



COD.	g
AD697197	550

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

ACO

MARTILLO DE UÑA MODELO AMERICANO / *AMERICAN CLAW HAMMER* / MARTEAU DE CHARPENTIER MODÈLE AMÉRICAIN / *KLAUENHAMMER* / MARTELLO CARPENTIERE / *MARTELO DE UNHA MOD. AMERICANO* / МОЛОТОК-ГВОЗДОДЕР АМЕРИКАНСКИЙ ТИП



COD.	g
AD697437	250
AD697447	350
AD697457	450
AD697467	525
AD697477	600

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre de verre

PICO DE CALDERERO / *CHIPPING HAMMER* / PIOCHE DE CHAUDRONNIER / *KESSELSTEINHAMMER* / PICCONE DA BATTIRAME / *PICADEIRA DE CALDEREIRO* / МОЛОТОК ВЫРУБНОЙ



COD.	g
AD696787	500

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

ANTICHISPA / *NON-SPARKING* / ANTIDÉFLAGRANT / *FUNKENFREI* / ANTISCINTILLA / *ANTIDÉFLAGRANT* / ИСКРОБЕЗОПАСНЫЙ

MACETA OCTOGONAL / *SLEDGE MALLET* / MASSETTE OCTOGONALE / *SCHLAGHAMMER* / MAZZETTA OTTOGONALE / *MARRETA OCTOGONAL* / КУВАЛДА



COD.	Kg
AD358867	3

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Al-Bron

Madera de nogal / *Hickory wood* / Bois de noyer

COD.	Kg
AD359707	3

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Laton / *Brass* / Laiton

Madera de nogal / *Hickory wood* / Bois de noyer



COD.	Kg
AD705047	2

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cu-Be

Fibra de vidrio / *Fiberglass* / Fibre de verre

CONSTRUCCIÓN / *CONSTRUCTION* / CONSTRUCTION / *BAUWESEN* / COSTRUZIONI / *CONSTRUÇÃO* / СТРОИТЕЛЬСТВО

PALANCA BOCA CURVA / *PRY BAR* / PINCE À TALON COURBE / *BRECHSTANGE, GESCHLOSSER* / LEVA UNGHIA CHIUSA / *ALAVANCA BOCA CURVA* / КРЮК



COD.	L (inch)
AD672047	16

PALANCA DE ENCOFRADOR / *WRECKING BAR* / PINCE À DECOFFRER / *NAGELEISEN* / LEVERINO CARPENTIERE / *ALAVANCAS DE ENCOFRADOR* / МОНТИРОВКА



COD.	L (inch)
AD632627	18

MEDICIÓN Y DETECCIÓN / *MEASURING AND DETECTION* / MESURE ET DÉTECTION / *MESSTECHNIK UND DETEKTION* / MISURAZIONE E RILEVAMENTO / *MEDIÇÃO E DETECÇÃO* / ИЗМЕРЕНИЕ И ОПРЕДЕЛЕНИЕ

FLEXÓMETROS / *MEASURING TAPES* / MÈTRES À RUBAN / *STAHLROLLBANDMASSE* / FLESSOMETRI / *FITAS METRICAS* / РУЛЕТКИ

ROBUST II



COD.	mm	L m
AD651657	25	5



COD.	L m/ft	mm
AD653587	5/16	25

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ACO

NIVELES / *SPIRIT LEVELS* / NIVEAUX / *WASSERWAAGEN* / LIVELLE / *NIVEIS* / ЖИДКОСТНОЙ УРОВЕНЬ

TUBULAR MAGNÉTICO DE PRECISIÓN 1MM-M / *1MM-M ACCURACY MAGNETIC SPIRIT LEVEL* / NIVEAU TUBULAIRE DE PRECISION 1MM-M MAGNETIQUE / *MAGNETISCHE WASSERWAGEN 1MM-M ACCURAT* / LIVELLA MAGNETICA TUBOLARE DI PRECISIONE 1MM-M / *NIVEL TUBULAR DE PRECISÃO 1MM-M MAGNETICO* / МАГНИТНЫЕ ЖИДКОСТНЫЕ УРОВНИ С ТОЧНОСТЬЮ 1MM-M



COD.	L (mm)	Precisión / *Accuracy* / Précision
AD651457	400	1 mm/m

MAGNET

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Aluminio / *Aluminum* / Aluminium

TUBULAR DE PRECISIÓN 1MM-M ESCALA GRADUADA / *GRADUATED SCALE 1MM-M ACCURACY SPIRIT LEVEL* / NIVEAU TUBULAIRE DE PRECISION 1MM-M ECHELLE GRADUEE / *GRADUAL WASSERWAGEN 1MM-M ACCURAT* / LIVELLA TUBOLARE DI PRECISIONE CON SCALA GRADUATA 1MM-M / *NIVEL TUBULAR DE PRECISÃO 1MM-M ESCALA GRADUADA* / ГРАДУИРОВАННАЯ ШКАЛА С ЖИДКОСТНЫМ УРОВНЕМ 1MM-M



COD.	L (mm)	Precisión / *Accuracy* / Précision
AD651487	300	1 mm/m

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Aluminio / *Aluminum* / Aluminium

TORPEDO / *TORPEDO* / TORPILLE / *TORPEDO WASSERWAGEN* / LIVELLA TORPEDO / *NIVEL TORPEDO* / ТОРПЕДО



COD.	L (mm)	Precisión / *Accuracy* / Précision
AD651587	220	1 mm/m

MAGNET

BUSCAPOLOS / *VOLTAGE TESTER* / TESTEUR / *SPANNUNGSPRÜFER* / CERCAFASE / *BUSCA-POLOS* / ИЗМЕРИТЕЛЬ НАПРЯЖЕНИЯ



COD.	V	L (mm)
AD660737	100-250	190

GALGAS PARA ROSCAS / *THREAD PITCH GAUGES* / JAUGE POUR FILETAGE / *GEWINDESCHABLONEN* / GALGAS PARA ROSCAS / *CONTA FIOS DE ROSCA* / ИЗМЕРИТЕЛИ РЕЗЬБЫ

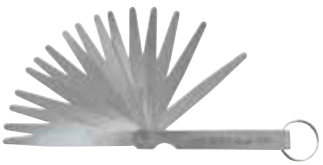


COD.	N.º Hojas / *No. Blades* / Nro. Lames
AD655717	24



COD.	N.º Hojas / *No. Blades* / Nro. Lames
AD655767	12

GALGAS DE ESPESORES DE PRECISIÓN / *PRECISION FEELER GAUGE* / JAUGES D'ÉPAISSEUR DE PRÉCISION / *PRÄZISION FÜHLERLEHREFÄCHER* / SPESSIMETRI DI PRECISIONE / *APALPA FOLGAS DE PRECISÃO* / СВЕРХТОЧНЫЕ ЩУПЫ В КОРПУСЕ



COD.	N.º Hojas / *No. Blades* / Nro. Lames
AD655707	32

AGUJAS DE TRAZAR / *SCRIBER* / POINTE À TRACER / *REISSNADEL* / PUNTA PER TRACCIARE / *RISCADORES DE TRAÇAR* / ШТИХЕЛЬ



N!

COD.	L (mm)	
AD656027	175	Moleteado / *Knurled* / Moletée
AD656047	230	
AD656037	250	

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NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

ACO

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

LINTERNA DE BOLSILLO / *LED POCKET FLASHLIGHT* / LAMPE DE POCHE / *LED-TASCHENLAMPE* / TORCIA DI TASCA / *LANTERNA DE BOLSO* / КАРМАННЫЙ СВЕТОДИОДНЫЙ ФОНАРИК

COD.	LED	LUMENS	g
AD586417	CREE XPG	100	57



ANTIDROP AISLADA 1000V / *INSULATED ANTIDROP 1000V* / ANTIDROP ISOLÉS 1000V / *ANTIDROP 1000V ISOLIERT* / ANTI-CADUTA ISOLATA 1000V / *ANTIDROP ISOLADA 1000V* / ПРОТИВОУДАРНЫЙ ИЗОЛИРУЮЩИЙ 1000V

ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

TITACROM® BIMAT 1000V

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.	L (mm)
AD765827	165
AD765837	180
AD765847	200

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5746

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ



COD.	L (mm)
AD765897	160

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ



COD.	L (mm)
AD765907	160

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.	L (mm)
AD765917	160
AD765927	200

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)
AD765937	160
AD765947	200

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)
AD765957	160
AD765967	190

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5749

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Cr-V

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

ACO

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)
AD765977	180
AD765987	200

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5749

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ



COD.	L (mm)
AD765997	160

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5748

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE FRONTAL ELECTRICISTA / *END CUTTING NIPPER (ELECTRICIAN)* / COUPANTES DEVANT ELECTRICIEN / *ELEKTRIKER VORSCHNEIDER* / TAGLIO FRONTALE PER ELETTRICISTI / *CORTE FRONTAL ELETRICISTA* / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)



COD.	L (mm)
AD766007	160
AD766027	200

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5748

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ



COD.	L (mm)
AD766037	160

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5743

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

MASTERCUT TITACROM® BIMAT 1000V

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ



COD.	L (mm)
AD766067	165
AD766077	180
AD766097	210

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5746

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V



COD.	L (mm)
AD766117	235

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5746

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ



COD.	L (mm)
AD766127	160
AD766137	200

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ



COD.	L (mm)
AD766147	160
AD766157	200

TITACROM® BIMAT 1000 V | IEC 60900 | DIN 5745

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

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ACO

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ



COD.	L (mm)
AD766167	160
AD766177	190

TITACROM BMAT 1000 V | IEC 60900 | DIN 5749

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ



COD.	L (mm)
AD766187	180
AD766197	200

TITACROM BMAT 1000 V | IEC 60900 | DIN 5749

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Cr-V

ALICATE DE PRESIÓN / *PRESSURE PLIER* / PINCE DE PRÉHENSION / *KLEMMZANGE* / PINZA A PRESSIONE / *ALICATE TIPO UNIVERSAL ISOLADO* / СЖИМАЮЩИЕ КЛЕЩИ



COD.	L (mm)
AD732487	150

1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para el montaje y bloqueo de contadores / *For meter assembly and meter blocking* / Conçue pour le montage et le verrouillage des compteurs

GRAPA / *INSULATING CLAMP* / AGRAFE / *KLEMMZANGE ISOLIERT* / MORSETTO ISOLATO / *GRAMPO ISOLADO* / ИЗОЛИРОВАННЫЕ КЛЕЩИ



COD.	L (mm)
AD732497	150

1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para sujeción de las mantas aislantes / *For holding insulating mats in place* / Pour fixer des nappes isolantes

ELECTRICIDAD / *ELECTRICIAN TOOLS* / OUTILLAGE D'ÉLECTRICIEN / *WERKZEUGE FÜR ELEKTRIKER* / UTENSILI PER ELETTRICISTI / *ELECTRICIDADE* / ИНСТРУМЕНТ ДЛЯ ЭЛЕКТРИКОВ

ALICATE PARA UNIÓN DE CABLES AISLADOS Y NO AISLADOS / *PLIER FOR CABLE LINKS INSULATED & NON INSULATED* / PINCE POUR UNION DE CABLES ISOLES ET NON ISOLES / *ZANGE FÜR ISOLIERTE UND NICHT ISOLIERTE KABELSCHUHE* / PINZE PER UNIRE CAVI ISOLATI E NON ISOLATI / *ALICATE PARA UNIÃO DE CABOS ISOLADOS E NÃO ISOLADOS* / КЛЕЩИ ДЛЯ ИЗОЛИРОВАННЫХ И НЕИЗОЛИРОВАННЫХ КОНТАКТОВ



COD.	L (mm)
AD732577	230

CORTACABLES DE CARRACA / *RATCHET ELECTRICIAN CABLE CUTTER* / COUPE-CABLES À CLIQUET / *KABELSCHNEIDER MIT RATSCHE* / TAGLIACAVI CRICCO PER ELETTRICI / *CORTA CABOS DE ROQUETE PARA ELETRICISTA* / КАБЕЛЕРЕЗЫ С ТРЕЩЕТОЧНЫМ МЕХАНИЗМОМ



COD.	L (mm)	O.D. mm
AD730107	260	32
AD730117	380	52

1000 V | IEC 60900

ACO

TIJERAS / *TIN SNIPS* / CISAILLES / *BLECHSCHERE* / FORBICI / *TESOURAS* / НОЖНИЦЫ ДЛЯ ЖЕСТИ



COD.	L (mm)
AD790577	160

1000 V | IEC 60900



COD.	L (mm)
AD790587	160

1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Muesca pequeña / *Small breach* / Petite brèche



COD.	L (mm)
AD790597	160

1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Muesca grande / *Big breach* / Grande brèche

PELACABLES / *CABLE STRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGE* / SPELACAVI / *DECAPADOR DE CABOS* / СТРИППЕР



COD.	O.D. mm
AD730887	25-45

1000 V | IEC 60900

CUCHILLOS / *KNIVES* / COUTEAUX / *MESSER* / LAME / *FACA* / НОЖИ



COD.	L (mm)
AD730357	170

1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Recto / *Straight* / Droit



COD.	L (mm)
AD730367	180

1000 V | IEC 60900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Curvo / *Curved* / Coudé

TENAZAS / *PINCERS* / PINCES / *ZANGE* / TENAGLIE / *ALICATES* / КЛЕЩИ

DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ШАРНИРНЫЕ



COD.	L (inch)
AD730047	10
AD730057	12

1000 V | IEC 60900

PICO DE LORO / *GROOVE JOINT* / MULTIPRISE À CRÉMAILLÈRE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ЖЕЛОБКОВОГО ТИПА



COD.	L (inch)
AD730017	10

1000 V | IEC 60900

TENAZAS CORTACABLES / *CABLE CUTTERS* / COUPE-CABLES / *KABELSCHNEIDER* / CESOIE PER CAVI / *TESOURAS CORTA CABOS* / КАБЕЛЕРЕЗЫ



COD.	L (mm)
AD761477	150

1000 V | IEC 60900

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ACO



COD.	L (mm)
AD730087	250

1000 V | IEC 60900



COD.	L (mm)
AD730097	600

1000 V | IEC 60900

CORTAVARILLAS / *BOLT CUTTERS* / COUPE-BOULONS / *BOLZENSCHNEIDER* / TAGLIABULLONI / *CORTA VARÃO* / АРМАТУРНЫЕ НОЖНИЦЫ



COD.	L (inch)
AD730207	18
AD730217	24

1000 V | IEC 60900

CORTATUBOS PARA TUBO DE PLÁSTICO / *PLASTIC PIPE CUTTER* / COUPE-TUBE PLASTIQUE / *KUNSTSTOFFROHRSCHERE* / CESOIA PER TUBI DI PLASTICA / *TESOURA PARA TUBO DE PLASTICO* / ТРУБОРЕЗ ДЛЯ ПЛАСТИКА

PIRAINA®



COD.	O.D. mm
AD761457	64

1000 V | IEC 60900

CORTABRIDAS / *PLASTIC TIE CUTTER* / PINCE COUPE COLLIERS PLASTIQUES / *KABELBINDER SCHNEIDER* / PINZA TAGLIA FASCETTE IN NYLON / *CORTA-ABRAÇADEIRA* / РЕЗАК ДЛЯ ПЛАСТИКОВЫХ ХОМУТОВ



COD.	L (mm)
AD730427	150

1000 V | IEC 60900 | RCD Nº 2029504

LLAVE HEAVY DUTY CURVA / *OFFSET HEAVY DUTY PIPE WRENCH* / CLÉ SERRE-TUBES HEAVY DUTY COUDEE / *GEKRÖPFTE ROHRZANGE* / GIRATUBI MODELLO AMERICANO CURVO / *CHAVE HEAVY DUTY INCLINADA* / ИЗОГНУТЫЕ ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК



COD.	L (inch)
AD767587	8
AD767597	10
AD767607	12
AD767617	14
AD767627	18

1000 V | IEC 60900

LLAVES AJUSTABLES / *ADJUSTABLE WRENCHES* / CLÉS À MOLETTE / *ROLLGABELSCHLÜSSEL* / CHIAVI REGOLABILI A RULLINO / *CHAVES AJUSTAVELS* / РАЗВОДНЫЕ КЛЮЧИ

TITACROM®



COD.	L (inch)	L (mm)
AD765507	6	150
AD765517	8	200
AD765527	10	250
AD765537	12	300

TITACROM® 1000 V | IEC 60900

FOSFATADA / *PHOSPHATED* / PHOSPHATÉE BRUNIE / *PHOSPHATIERT* / FINITURA BRUNITA / *BRUNIDA* / ЧЕРНЕННЫЙ



COD.	L (inch)	L (mm)
AD765547	6	150
AD765557	8	200
AD765567	10	250
AD765577	12	300

1000 V | IEC 60900

ACO

MOLETA LATERAL / *LATERAL NUT* / MOLETTE LATÉRALE / *MIT SCHNECKENROLLE* / RULLINO LATERALE / *MOLETA LATERAL* / РИГУЛИРОВОЧНАЯ ШАЙБА



TITACROM®



COD.	L (inch)	L (mm)
AD765787	6	150
AD765807	10	250
AD765817	12	300

TITACROM® 1000 V | IEC 60900



COD.	L (inch)	L (mm)
AD794727	12	300

1000 V | IEC 60900

LLAVES / *WRENCHES* / CLÉS / *SCHLÜSSEL* / CHIAVI / *CHAVES* / КЛЮЧИ

FIJA DE UNA BOCA / *SINGLE ENDED OPEN JAW SPANNER* / À FOURCHE / *EINMAULSCHLÜSSEL* / FISSE SEMPLICE / *FIXA DE UMA BOCA* / ОДНОРОЖКОВЫЙ КЛЮЧ

MM



COD.	AF mm
AD730867	5,5
AD730607	6
AD730617	7
AD730627	8
AD730637	9
AD730647	10
AD730657	11
AD730667	12
AD730677	13
AD730687	14
AD730697	15
AD730707	16
AD730717	17
AD730727	18
AD730737	19
AD730747	20
AD730757	21
AD730767	22
AD730787	23
AD730777	24
AD730797	27
AD730807	28
AD730817	29
AD730827	30
AD730837	32

1000 V | IEC 60900

INCH



COD.	AF inch
AD730437	1/4
AD730447	9/32
AD730457	5/16
AD730467	3/8
AD730477	7/16
AD730487	1/2
AD730497	9/16
AD730507	5/8
AD730517	11/16
AD730527	3/4
AD730537	13/16
AD730547	7/8
AD730557	15/16

1000 V | IEC 60900

LLAVE DE ESTRELLA ACODADA UNA BOCA / *OFFSET RING WRENCH* / CLÉ POLYGONALE CONTRE-COUDÉE / *GEKRÖPFTE RINGSCHLÜSSEL* / CHIAVE POLIGONALE AD UNA BOCCA / *CHAVE DE LUNETA INCLINADA* / КЛЮЧ ИЗОГНУТАЯ ЗВЕЗДОЧКА

MM



COD.	AF mm
AD730907	6
AD730917	7
AD730927	8
AD730937	9
AD730947	10
AD730957	11
AD730967	12
AD730977	13
AD730987	14
AD730997	15
AD731007	16
AD731017	17
AD731027	18
AD731037	19
AD731057	21
AD731067	22
AD731077	23
AD731087	24
AD731097	26
AD731107	27

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COD.	AF mm
AD731117	28
AD731127	29
AD731137	30
AD731147	32
AD731157	36
AD731167	38
AD731177	41
AD731187	42
AD731197	46
AD731047	50

1000 V | IEC 60900

INCH



COD.	AF inch
AD733477	1/4
AD733487	5/16
AD733497	3/8
AD733507	7/16
AD733517	1/2
AD733527	9/16
AD733537	5/8
AD733547	11/16
AD733557	3/4
AD733567	13/16
AD733577	7/8
AD733587	15/16
AD733597	1
AD733607	1.1/16
AD733617	1.1/8
AD733637	1.1/4

1000 V | IEC 60900

LLAVE DE ESTRELLA DE CARRACA PLANA / *RING RATCHET* / POLYGONALE À CLIQUET / *KNARRE RINGSCHÜSSEL* / CHIAVE POLIGONALE PIATTA CON CRICCO / *CHAVE DE LUNETA COM ROQUETE PLANA* / ЗВЕЗДОЧКА С ТРЕЩЕТКОЙ

MM



COD.	AF mm
AD731457	10
AD731477	13
AD731507	17
AD731527	19

1000 V | IEC 60900

LLAVE DE ESTRELLA INCLINADA UNA BOCA / *ANGLE RING WRENCH* / CLÉ POLYGONALE DROITE / *GEBOGEN RINGSCHLÜSSEL* / CHIAVE A STELLA INCLINATA / *CHAVE LUA* / КЛЮЧ ЗВЕЗДОЧКА ИЗОГНУТАЯ

MM



COD.	AF mm
AD731207	8
AD731217	9
AD731227	10
AD731237	11
AD731247	12
AD731257	13
AD731267	14
AD731277	15
AD731287	16
AD731297	17
AD731307	18
AD731317	19
AD731337	21
AD731347	22
AD731357	23
AD731367	24

1000 V | IEC 60900

INCH



COD.	AF inch
AD731607	5/16
AD731897	3/8
AD731907	7/16
AD731917	1/2
AD731927	9/16
AD731987	5/8
AD731997	11/16
AD732007	3/4
AD732017	7/8
AD732027	15/16

1000 V | IEC 60900

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Code / Código 8552B
Management System
ISO 9001:2015
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LLAVES DE PIPA ABIERTAS / *ANGLED OPEN SOCKETS* / CLÉS À PIPE / *PFEIFFENKOPFSCHLÜSSEL* / CHIAVI A PIPA APERTE / *CHAVE DE CACHIMBO ABERTAS* / ГОЛОВКА С РУКОЯТКОЙ ПОД 90 ГРАДУСОВ

MM



COD.	AF mm
AD732037	8
AD732047	9
AD732057	10
AD732067	11
AD732077	12
AD732087	13
AD732097	14
AD732107	15
AD732117	16
AD732127	17
AD732137	18
AD732147	19
AD732157	20
AD732167	21
AD732177	22
AD732187	23
AD732197	24
AD732207	25
AD732217	26
AD732227	27
AD732237	28
AD732247	29
AD732257	30
AD732267	32

1000 V | IEC 60900

LLAVE DE TUBO MANGO EN T / *T HANDLE WRENCH* / CLÉ EN T / *T-GRIFF SCHLÜSSEL* / CHIAVE A TUBO CON IMPUGNATURA A T / *CHAVES T TUBOLARES* / ГОЛОВКА С РУКОЯТКОЙ Т

MM



COD.	AF mm
AD731707	6
AD731717	7
AD731727	8
AD731737	9
AD731747	10
AD731757	11
AD731767	12
AD731777	13
AD731787	14
AD731797	15
AD731807	16
AD731817	17
AD731827	18
AD731837	19
AD731847	20
AD731857	21
AD731867	22
AD731877	23
AD731887	24

1000 V | IEC 60900

LLAVES HEXAGONALES / *HEXAGONAL KEYS* / CLÉS MÂLES / *WINKELSCHRAUBENDREHER* / CHIAVI ESAGONALI / *CHAVES HEXAGONAIS* / ШЕСТИГРАННЫЕ КЛЮЧИ

MM



COD.	AF mm
AD793707	3
AD793717	4
AD793727	5
AD793737	6
AD793747	8
AD793757	10
AD793767	12

1000 V | IEC 60900

INCH



COD.	AF inch
AD793777	1/8
AD793787	9/64
AD793797	5/32
AD793807	3/16
AD793817	7/32
AD793827	1/4
AD793837	5/16
AD793847	3/8
AD793857	7/16
AD793867	1/2
AD793877	5/8

1000 V | IEC 60900

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LLAVES HEXAGONALES EN T / *T HEXAGONAL KEYS* / CLÉS MÂLES EN T / *T-INBUSSCHLÜSSEL* / CHIAVI ESAGONALI A T / *CHAVES HEXAGONAIS EM T* / Т-ОБРАЗНЫЕ КЛЮЧИ ДЛЯ ШЕСТИГРАННИКОВ

MM



COD.	AF mm
AD793907	5
AD793917	6
AD793927	8
AD793937	10

1000 V | IEC 60900

DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *SCHRAUBENZIEHER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

MASTERTORK

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM



COD.	mm	mm
AD766207	2,5	75
AD766217	3	100
AD766227	4	125
AD766237	5,5	
AD766247		150
AD766257	6,5	
AD766267	8	175
AD766277	10	200

1000 V | IEC 60900 | DIN 5265

INCH



COD.	inch	inch
AD750637	3/32	3
AD750647	1/8	4
AD750657	5/32	5
AD750667	7/32	
AD750677		6
AD750687	1/4	
AD750697	5/16	7
AD750817	25/64	8

1000 V | IEC 60900 | DIN 5265

PHILLIPS®*



COD.		mm
AD766287	PH-0	60
AD767387	PH-1	80
AD766297		100
AD766307	PH-2	125
AD766317	PH-3	150
AD766327	PH-4	200

1000 V | IEC 60900 | DIN 5262

PLANO-PHILLIPS®*PARA BORNES ELÉCTRICOS / *SLOTTED-PHILLIPS®* FOR TERMINAL SCREWS* / PHILLIPS®*-À FENTE POUR BORNES ÉLECTRIQUES / *SCHLITZ-PHILLIPS®*SCHRAUBENDREHER FÜR SCHRAUBKLEMMEN* / TAGLIO-PHILLIPS®* PER TERMINALI ELETTRICI / *FENDA-PHILLIPS®*PARA BORNES ELÉCTRICOS* / ОТВЕРТКА КРЕСТОВАЯ КЛЕМНАЯ PH



COD.		mm
AD791637	PH-1	100
AD791647	PH-2	125

1000 V | IEC 60900

• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

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POZIDRIV®*



COD.		mm
AD766337	PZ-0	60
AD766347	PZ-1	100
AD766357	PZ-2	125
AD766367	PZ-3	150
AD766377	PZ-4	200

1000 V | IEC 60900 | DIN 5262

PLANO-POZIDRIV®* PARA BORNES ELÉCTRICOS / *SLOTTED-POZIDRIV®* FOR TERMINAL SCREWS* / POZIDRIV®* -À FENTE POUR BORNES ÉLECTRIQUES / *SCHLITZ-POZIDRIV®* SCHRAUBENDREHER FÜR SCHRAUBKLEMMEN* / TAGLIO-POZIDRIV®* PER TERMINALI ELETTRICI / *FENDA-POZIDRIV®* PARA BORNES ELÉCTRICOS* / ОТВЕРТКА КРЕСТОВАЯ КЛЕМНАЯ POZIDRIV®*



COD.		mm
AD791657	PZ-1	100
AD791667	PZ-2	125

1000 V | IEC 60900

TORX®*



COD.		mm
AD766387	T-6	50
AD766397	T-7	
AD766407	T-8	
AD766417	T-9	75
AD766427	T-10	
AD766437	T-15	
AD766447	T-20	100
AD766457	T-25	
AD766467	T-27	115
AD766477	T-30	125
AD766487	T-40	
AD766497	T-45	150
AD766507	T-50	175

1000 V | IEC 60900 | DIN 5262

TAMPER TORX



COD.		mm
AD750377	TT-6	50
AD750387	TT-7	
AD750397	TT-8	
AD750407	TT-9	75
AD750417	TT-10	
AD750427	TT-15	
AD750437	TT-20	100
AD750447	TT-25	
AD750457	TT-27	115
AD750467	TT-30	125
AD750477	TT-40	
AD750487	TT-45	150
AD750497	TT-50	175

1000 V | IEC 60900

HEXAGONAL ALLEN

MM



COD.	mm	mm
AD747107	2,5	75
AD747117	3	
AD747127	4	100
AD747137	5	
AD747147	6	125
AD747157	8	150

1000 V | IEC 60900

INCH



COD.	inch	inch
AD750837	1/8	3
AD750847	5/32	4
AD750977	5/16	6

1000 V | IEC 60900

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- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) */ *For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) */ *For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

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Code / Código 8552B
Management System
ISO 9001:2015
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DE VASO / *SOCKET SCREWDRIVER* / CLÉ À DOUILLE EMMANCHÉE / *6-KANT STECKSCHLÜSSEL* / BUSSOLE / *DE CAIXA* / ОТВЕРТКА С ГОЛОВКОЙ

MM



COD.	mm	mm
AD746987	4	150
AD746997	5	
AD747007	5,5	
AD747017	6	160
AD747027	7	175
AD747037	8	
AD747047	9	
AD747057	10	
AD747067	11	
AD747077	12	
AD747087	13	
AD747097	14	

1000 V | IEC 60900

INCH



COD.	inch	inch
AD751327	5/32	6
AD749847	3/16	
AD751337	7/32	
AD749857	1/4	
AD749867	5/16	7
AD749877	3/8	
AD751367	25/64	
AD749887	7/16	
AD751387	15/32	
AD749897	1/2	

1000 V | IEC 60900

MM



COD.	mm	mm
AD746647	9	130
AD746657	10	
AD746687	13	

1000 V | IEC 60900

ROTORK

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

MM



COD.	mm	mm
AD767307	2,5	60
AD767317	3	
AD766517		100
AD766527	4	125
AD766537	5	150
AD766547	6	
AD767327	8	175
AD767337	10	200

1000 V | IEC 60900 | DIN 5265

INCH



COD.	inch	inch
AD751727	3/32	2
AD751747	1/8	4
AD751757	5/32	5
AD751767	3/16	6
AD751777	1/4	
AD751787	5/16	7
AD751797	25/64	8

1000 V | IEC 60900 | DIN 5265

ACO

PHILLIPS®*



COD.	⊕	mm
AD766557	PH-0	60
AD766567	PH-1	100
AD766577	PH-2	125
AD766587	PH-3	150
AD767357	PH-4	200

1000 V | IEC 60900 | DIN 5262

POZIDRIV®*



COD.	⊕	mm
AD766597	PZ-0	60
AD766607	PZ-1	100
AD766617	PZ-2	125
AD766627	PZ-3	150
AD767367	PZ-4	200

1000 V | IEC 60900 | DIN 5262

MICROTRONIC

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIK* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ



COD.	mm	mm
AD751567	1,5	40
AD751577	1,8	60
AD751587	2	
AD751597	2,5	75
AD752017	3	

1000 V | IEC 60900 | DIN 7437

PHILLIPS®*



COD.	⊕	mm
AD752027	PH-00	75
AD752037	PH-0	

1000 V | IEC 60900 | DIN 7438

CORTE / *CUTTING* / OUTILS COUPANTS / *SCHNEIDWERKZEUG* / ARCHETTI / *CORTE* / РЕЗКА

ARCO DE SIERRA / *HACK SAW* / MONTURE DE SCIE À METAUX / *METALLSÄGEBOGEN* / ARCHETTI / *ARCOS DE SERRA* / НОЖОВКА



COD.	inch	mm
AD730297	6	150

1000 V | IEC 60900



COD.	inch	mm
AD730307	12	300

1000 V | IEC 60900

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- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

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ISO 9001:2015
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BANDEJAS / *TRAYS* / PLATEAUX / *ABLAGEKASTEN* / PANNELLO / *TABULEIROS* / ПОДДОНЫ

COD.	PCS.		L x W (mm)	Kg
AD500207	18	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	2,8



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
10	AD615007	Juego de llaves hexagonales / *Hexagonal keys set*	-
1	AD610167	Llave HD / *HD Pipe wrench*	12 inch
2	AD611107, AD611117	Llaves ajustables / *Adjustable wrenches*	
1	AD586417	Linterna mini / *Mini flashlight*	
	AD651587	Nivel magnético torpedo / *Torpedo Magnetic level*	-
2	AD655717, AD655767	Galgas para roscas / *Thread pitch gauges*	
1	AD638767	Cortador con cuchilla auto-retráctil / *Cutter with auto-retractable blade*	

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500217	8	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	mm	3,9



Composición / *Composition* / Composition	Descripción / *Description* / Description	
AD617437, AD617447, AD617457, AD617467, AD617477, AD617487, AD617497, AD617507	Llaves combinadas / *Combination wrenches*	mm

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500227	7	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	inch	3,3



Composición / *Composition* / Composition	Descripción / *Description* / Description	
AD603527, AD603537, AD603547, AD603557, AD603567, AD603577, AD603587	Llaves combinadas / *Combination wrenches*	inch

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500407	18	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	mm	2,1



Composición / *Composition* / Composition	Descripción / *Description* / Description	
AD617257, AD617267, AD617277, AD617287, AD617297, AD617307, AD617317, AD617327, AD617337, AD617347, AD617357, AD617367, AD617377, AD617387, AD617397, AD617407, AD617417, AD617427	Llaves combinadas / *Combination wrenches*	mm

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500417	13	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	inch	1,4



Composición / *Composition* / Composition	Descripción / *Description* / Description	
AD603407, AD603417, AD678787, AD603427, AD603437, AD603447, AD603457, AD603467, AD603477, AD603487, AD603497, AD603507, AD603517	Llaves combinadas / *Combination wrenches*	inch

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500237	13	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	mm	3,9



Composición / *Composition* / Composition	Descripción / *Description* / Description	
AD617757, AD617767, AD617777, AD617787, AD617797, AD617807, AD617817, AD617827, AD617837, AD617847, AD617857, AD617867, AD617877	Llaves acodadas / *Double offset ring wrenches*	mm

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COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500247	13	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	inch	3,0

Composición / *Composition* / Composition	Descripción / *Description* / Description	
AD603807, AD603817, AD603827, AD603837, AD603847, AD603857, AD603867, AD603877, AD603887, AD603897, AD603907, AD603917, AD603927	Llaves acodadas / *Double offset ring wrenches*	inch



COD.	PCS.		L x W (mm)	Kg
AD500427	6	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	0,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	66078	Cordón anticaída retráctil / *Retractable lanyard*
	66062	Cordón anticaída retráctil con mosquetón / *Retractable lanyard with carabiner*
	66112	Cordón anticaída con mosquetón y quitavueltas / *Carabiner lanyard with swivel*
	66113	Cordón anticaída de nudo y quitavueltas / *Loop lanyard with swivel*
	66063	Accesorio cordón anticaída retráctil / *Retractable lanyard accessory*
	66064	Accesorio cordón anticaída retráctil con mosquetón / *Retractable lanyard with carabiner accessory*



COD.	PCS.		L x W (mm)	Kg
AD500257	8	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	2,8

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	AD620977	Tenaza Grip / *Grip plier*
	AD621517	Tenaza cortacables / *Cable cutters*
6	AD624967, AD622997, AD623497, AD623447, AD623457, AD623377	Alicates / *Pliers*



COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500267	13	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	mm	1,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	AD624937	Alicate para terminales aislados / *For insulated terminals plier*	-
2	AD664027, AD664067	Destornilladores mecánicos / *Slotted screwdrivers*	mm
5	AD664217, AD664227, AD664237, AD664257, AD664267	Destornilladores electricistas / *Electrician screwdrivers*	
3	AD664387, AD664397, AD664407	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	AD664567	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	-
	AD653587	Flexómetro Robust Bimat / *Robust Bimat Measuring tape*	



COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500437	13	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	inch	1,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	AD624937	Alicate para terminales aislados / *For insulated terminals plier*	-
2	AD553327, AD553377	Destornilladores mecánicos / *Slotted screwdrivers*	inch
5	AD553617, AD553547, AD553557, AD553587, AD553607	Destornilladores electricistas / *Electrician screwdrivers*	
3	AD664387, AD664397, AD664407	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	AD664567	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	-
	AD653587	Flexómetro Robust Bimat / *Robust Bimat Measuring tape*	



• Para más información de dimensiones y características del producto, consultar en el capítulo correspondiente del catálogo general o en www.egamaster.com. / *For more details about features and dimensions of the products, check the corresponding chapter of the General Catalogue or www.egamaster.com.* / Pour plus d'informations sur les dimensions et les caractéristiques du produit, consulter le chapitre correspondant de notre catalogue général ou sur www.egamaster.com.

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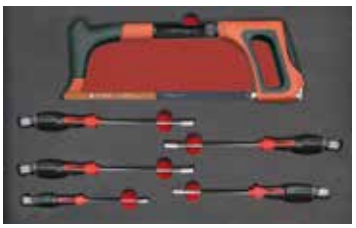
COD.	PCS.		L x W (mm)	Kg
AD500277	5	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	4,1

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	AD614057	Llave para tubo Mastergrip / *Mastergrip Pipe wrench*	
2	AD611127, AD611137	Llaves ajustables / *Adjustable wrenches*	
	AD610447, AD610247	Llaves de aluminio / *Aluminium pipe wrenches*	



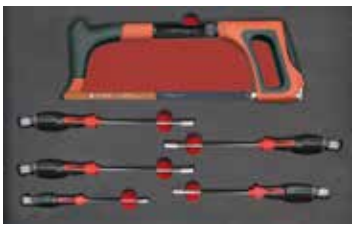
COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500287	6	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	mm	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	AD637427	Arco de sierra / *Hack Saw*	-
5	AD665107, AD665137, AD665177, AD665197, AD665217	Destornilladores de vaso / *Socket screwdrivers*	mm



COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500447	6	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	inch	2,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	AD637427	Arco de sierra / *Hack Saw*	-
5	AD553737, AD553767, AD553807, AD553827, AD553837	Destornilladores de vaso / *Socket screwdrivers*	inch



COD.	PCS.		L x W (mm)	Kg
AD500297	5	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	5,8

Composición / *Composition* / Composition	Descripción / *Description* / Description
AD697067, AD696667, AD696697, AD697077, AD697087	Martillos / *Hammers*



COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500457	6	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	mm	5,4

Composición / *Composition* / Composition	Descripción / *Description* / Description	
AD650767, AD650777, AD650787, AD650797, AD650807, AD650817	Llaves de carraca para estructura metálica / *Podging wrenches*	mm



COD.	PCS.		L x W (mm)	Kg
AD500307	14	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	3,6

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
5	AD766337, AD766347, AD766357, AD766367, AD766377	Destornilladores Pozidriv® / *Pozidriv® screwdrivers*	1000V
6	AD766287, AD766387, AD766297, AD766307, AD766317, AD766327	Destornilladores Phillips® / *Phillips® screwdrivers*	
1	AD695347	Tijera electricista / *Electrician´s scissors*	-
	AD730357	Cuchillo / *Knife*	
	AD660737	Buscapolos / *Voltage tester*	



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COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500317	10	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	inch	1,4



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
7	AD750647 AD750657, AD750667, AD750677, AD750687, AD750697, AD750817	Destornilladores electricistas / *Electrician screwdrivers*	1000V, inch
1	AD695347	Tijera electricista / *Electrician´s scissors*	-
	AD730357	Cuchillo / *Knife*	
	AD660737	Buscapolos / *Voltage tester*	

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500467	12	51025, 51039, 50950, 51045, 51478, 50977, 50954, 51560, 51562, 51075	565 x 405	mm	4,1



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
7	AD766217, AD766227, AD766237, AD766247, AD766257, AD766267, AD766277	Destornilladores electricistas / *Electrician screwdrivers*	1000V, mm
5	AD659167, AD650767, AD650777, AD650797, AD650807	Llaves de carraca para estructura metálica / *Podging wrenches*	mm

COD.	PCS.		L x W (mm)	Kg
AD500667	10	51074	1220 x 490	17,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	AD632627	Palanca de encofrador / *Wrecking bar*
2	AD611157	Llave ajustable / *Adjustable wrench*
	AD610267	Llave de aluminio / *Aluminium pipe wrench*
1	AD705047	Maceta octogonal antichispa Cu-Be / *Cu-Be Non sparking sledge hammer*
	AD696877	Martillo de ebanista / *Joiner's hammer*
	AD697057	Martillo de bola / *Ball pein hammer*
2	AD696677, AD696697	Macetas cuadradas tipo alemán / *German type stoning hammers*

COD.	PCS.		L x W (mm)	Kg
AD500657	47	51074	1220 x 490	10,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
2	AD638787, AD638767	Cortador con cuchilla auto-retráctil / *Cutter with auto-retractable blade*
1	AD637427	Arco de sierra / *Hack Saw*
4	AD634987, AD635317, AD636787, AD636757	Limas / *Files*
1	AD628537	Cincel mecánico / *Flat cold chisel*
3	AD623437, AD623497, AD623417	Alicates / *Pliers*
	AD622477, AD622417, AD622437	Alicates mini / *Mini Pliers*
1	AD626277	Alicate trenzador de alambre reversible / *Reversible Wire twist plier*
	AD620977	Tenaza Grip / *Grip plier*
2	AD611127	Llave ajustable / *Adjustable wrench*
1	AD697077	Martillo de bola / *Ball pein hammer*
	AD610157	Llave heavy duty / *Heavy Duty pipe wrench*
20	AD614957, AD614967	Juego llaves Allen bola / *Set of hexagonal key wrenches ball type*
1	AD655707	Galgas de espesores 32 hojas / *Precision feeler gauge 32 blades*
	AD671957	Rasqueta para juntas / *Gasket scraper*
	AD651587	Nivel magnético torpedo / *Torpedo Magnetic level*
	AD695347	Tijera electricista / *Electrician´s scissors*
	AD653587	Flexómetro Robust Bimat / *Robust Bimat Measuring tape*
	AD586417	Linterna mini / *Mini flashlight*
	AD660737	Buscapolos / *Voltage tester*

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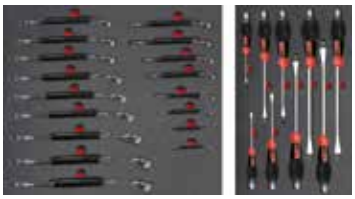
COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500677	34	51074	930 x 490	mm	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
11	AD664387, AD664397, AD664407, AD664417, AD664567, AD664727, AD664587, AD664597, AD664607, AD665257, AD665267	Destornilladores / *Screwdrivers*	-
6	AD751567, AD751587, AD751597, AD752017, AD752027, AD752037	Destornilladores mini / *Mini screwdrivers*	1000V
12	AD607707, AD607717, AD607727, AD607737, AD607747, AD607757, AD607777, AD607787, AD607797, AD607807, AD607817, AD607827	Llave de estrella plana / *Double ended flat ring spanner*	mm
5	AD607857, AD607887, AD607897, AD607907, AD607927	Llave para racores / *Flare nut*	-



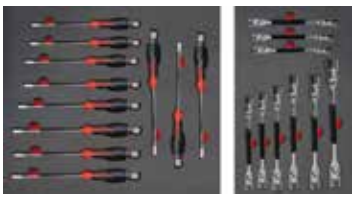
COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500687	26	51074	870 x 490	mm/inch	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
17	AD603407, AD603417, AD603427, AD603437, AD603447, AD603457, AD603477, AD603487, AD603497, AD603517, AD603527, AD603537, AD603547, AD603557, AD603567, AD603577, AD603587	Llaves combinadas / *Combination wrenches*	inch
9	AD664007, AD664017, AD664037, AD664047, AD664067, AD664087, AD664097, AD664497, AD664107	Destornilladores mecánicos / *Slotted screwdrivers*	mm



COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500697	20	51074	870 x 490	mm	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
11	AD665107, AD665117, AD665127, AD665137, AD665147, AD665157, AD665167, AD665177, AD665187, AD665197, AD665207	Destornilladores de vaso / *Socket screwdrivers*	mm
9	AD613017, AD613027, AD613037, AD613047, AD613057, AD613067, AD613087, AD613097, AD613107	Llaves vaso doble articulación / *Double ended swivel wrenches*	-



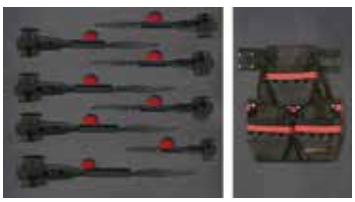
COD.	PCS.		L x W (mm)	Kg
AD500717	23	51074	870 x 490	3,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
6	66112, 66108	Cordón anticaída con mosquetón / *Carabiner lanyard*	-
	66113, 66109	Cordón anticaída de nudo / *Loop lanyard*	
1	AD765847	Alicates / *Pliers*	1000V
	AD766177	Alicates Mastercut / *Mastercut Pliers*	
	AD730047	Tenaza de canal / *Box joint*	
2	50998, 50999	Accesorio de anillas para el cinturón portaherramientas / *Accessory with rings for tools belt*	-
3	66078	Cordón anticaída retráctil / *Retractable lanyard*	
	66064	Accesorio cordón anticaída retráctil con mosquetón / *Retractable lanyard with carabiner accessory*	



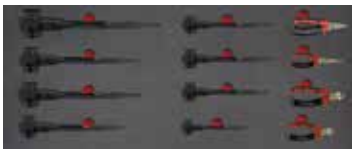
COD.	PCS.		L x W (mm)	Kg
AD500707	9	51074	870 x 490	3,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	AD659167, AD650767, AD659177, AD650777, AD650787, AD650797, AD650807, AD650817	Llaves de carraca para estructura metálica / *Podging wrenches*	mm
1	50997	Cinturón portaherramientas / *Tool belt*	



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COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500727	12	51074	1220 x 490	mm	4,0



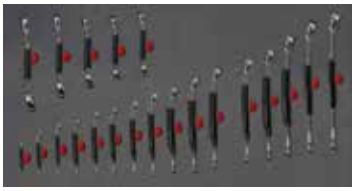
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	AD659167, AD650767, AD659177, AD650777, AD650787, AD650797, AD650807, AD650817	Llaves de carraca para estructura metálica / *Podging wrenches*	mm
4	AD624967, AD624987, AD623507, AD622997	Alicates / *Pliers*	-

COD.	PCS.		L x W (mm)	Kg
AD500737	11	51074	930 x 490	8,0



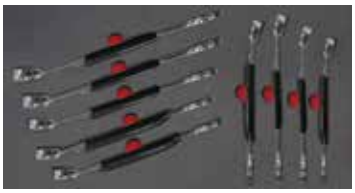
PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
2	AD610247	Llave de aluminio / *Aluminium pipe wrench*
	AD610157	Llave heavy duty / *Heavy Duty pipe wrench*
1	AD626277	Alicate trenzador de alambre reversible / *Reversible Wire twist plier*
	AD620917	Alicate tipo Ford / *Slip joint plier*
	AD620977	Tenaza Grip / *Grip plier*
	AD621067	Tenaza pico de loro / *Groove joint plier*
2	AD696877, AD696847	Martillos de ebanista / *Joiner's hammers*
1	AD697047	Martillo de bola / *Ball pein hammer*

COD.	PCS.		L x W (mm)	Kg
AD500747	21	51074	930 x 490	7,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
16	AD603407, AD603417, AD603427, AD603437, AD603447, AD603457, AD603477, AD603487, AD603497, AD603517, AD603527, AD603537, AD603547, AD603557, AD603567, AD603587	Llaves combinadas / *Combination wrenches*	inch
5	AD607857, AD607887, AD607897, AD607907, AD607927	Llave para racores / *Flare nut*	-

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500757	9	51074	930 x 490	inch	13



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
9	AD609577, AD609587, AD609617, AD609597, AD609627, AD608977, AD608987, AD608997, AD609607	Llaves combinadas / *Combination wrenches*	inch

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500767	20	51074	930 x 490	mm	7,0



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
9	AD613017, AD613027, AD613037, AD613047, AD613057, AD613067, AD613087, AD613097, AD613107	Llaves vaso doble articulación / *Double ended swivel wrenches*	mm
11	AD607707, AD607717, AD607727, AD607737, AD607747, AD607757, AD607767, AD607787, AD607797, AD607807, AD607827	Llave de estrella plana / *Double ended flat ring spanner*	

COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500777	20	51074	1220 x 490	mm	10



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
14	AD766217, AD766237, AD766257, AD766277, AD767387, AD766307, AD766317	Destornilladores / *Screwdrivers*	1000V
4	AD765517, AD765537	Llaves ajustables / *Adjustable wrenches*	
2	AD730097, AD730087	Tenazas cortacables / *Cable cutters*	

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NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
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COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500787	20	51074	930 x 490	mm/inch	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
18	AD746987, AD746997, AD747007, AD747017, AD747027, AD747037, AD747047, AD747057, AD747067, AD747077, AD747087, AD747097, AD747107, AD747117, AD747127, AD747137, AD747147, AD747157	Destornilladores / *Screwdrivers*	1000V
2	AD730357, AD730367	Cuchillos / *Knives*	



COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500797	15	51074	870 x 490	mm/inch	4,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
15	AD766207, AD766227, AD766267, AD766287, AD766327, AD766337, AD766347, AD766357, AD766367, AD766377, AD749847, AD749857, AD749877, AD749887, AD749897	Destornilladores / *Screwdrivers*	1000V



COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500807	15	51074	870 x 490	inch	6,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
2	AD730017	Tenaza de pico de loro / *Groove joint pincer*	
	AD730297, AD730307	Arco de sierra / *Hack Saw*	1000V
4	AD765957, AD765837	Alicates / *Pliers*	
7	AD664397, AD664417, AD664427, AD664407, AD664437, AD553607, AD553617	Destornilladores / *Screwdrivers*	-



COD.	PCS.		L x W (mm)	Medidas en / *Sizes in* / Mesures en	Kg
AD500817	27	51074	870 x 490	mm	3,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
6	66112, 66108	Cordón anticaída con mosquetón / *Carabiner lanyard*
	66113, 66109	Cordón anticaída de nudo / *Loop lanyard*
1	66078	Cordón anticaída retráctil / *Retractable lanyard*
	66062	Cordón anticaída retráctil con mosquetón / *Retractable lanyard with carabiner*
2	50998, 50999	Accesorio de anillas para el cinturón portaherramientas / *Accessory with rings for tools belt*
5	AD668517, AD668507, AD668527, AD668467, AD668487	Destornilladores mini / *Mini screwdrivers*
4	AD636757, AD635317, AD636037, AD636397	Limas / *Files*
1	AD586417	Linterna mini / *Mini flashlight*
	AD660737	Buscapolos / *Voltage tester*



COD.	PCS.		L x W (mm)	Kg
AD500827	27	51074	870 x 490	3,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description
1	50997	Cinturón portaherramientas / *Tool belt*
	AD651587	Nivel magnético torpedo / *Torpedo Magnetic level*
	AD638767	Cortador con cuchilla auto-retráctil / *Cutter with auto-retractable blade*
	AD623497	Alicates / *Pliers*
	AD625007	Alicates Mastercut / *Mastercut Pliers*
	AD695347	Tijera electricista / *Electrician´s scissors*
20	AD614957, AD614967	Juego llaves Allen bola / *Set of hexagonal key wrenches ball type*
1	AD653587	Flexómetro Robust Bimat / *Robust Bimat Measuring tape*



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

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JUEGOS DE HERRAMIENTAS ANTI-CAÍDA ANTIDROP / *ANTIDROP TOOLS SETS* / SETS OUTILS ANTI-CHUTE ANTIDROP / *ANTIDROP WERKZEUGSICHERUNG* / KIT DI UTENSILI ANTI-CADUTA ANTIDROP / *JOGO DE FERRAMENTA ANTI-QUEDA ANTIDROP* / ПРОТИВОУДАРНЫЕ ИНСТРУМЕНТЫ

68 PCS.



COD.	PCS.		N.°	Composición / *Composition* / Composition	Medidas en / *Sizes in* / Mesures en	Kg
AD500327	68	51039	7	AD500207, AD500217, AD500407, AD00427, AD500257, AD500267, AD500297	mm	90

62 PCS.



COD.	PCS.		N.°	Composición / *Composition* / Composition	Medidas en / *Sizes in* / Mesures en	Kg
AD500337	62	51039	7	AD500207, AD500227, AD500417, AD500427, AD500257, AD500437, AD500297	inch	90

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ACO

64 PCS.



COD.	PCS.		N.°	Composición / *Composition* / Composition	Medidas en / *Sizes in* / Mesures en	Kg
AD500347	64	51039	7	AD500287, AD500237, AD500467, AD500427, AD500257, AD500267, AD500277	mm	90

58 PCS.



COD.	PCS.		N.°	Composición / *Composition* / Composition	Medidas en / *Sizes in* / Mesures en	Kg
AD500357	58	51039	7	AD500447, AD500247, AD500457, AD500427, AD500257, AD500437, AD500277	inch	90

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ACO



COD.	PCS.		N.°	Composición / *Composition* / Composition	Medidas en / *Sizes in* / Mesures en	Kg
AD500377	58	51039	7	AD500207, AD500417, AD500257, AD500427, AD500317, AD500457, AD500297	inch	90

73 PCS.



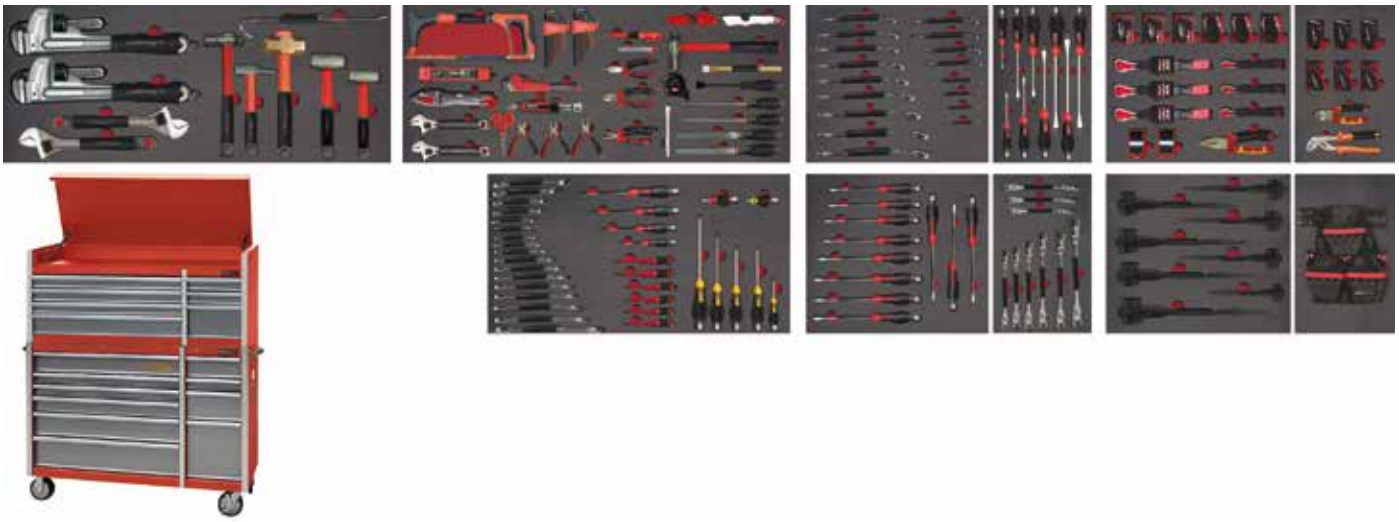
COD.	PCS.		N.°	Composición / *Composition* / Composition	Medidas en / *Sizes in* / Mesures en	Kg
AD500367	73	51039	7	AD500207, AD500407, AD500257, AD500427, AD500307, AD500467, AD500297	mm	95

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NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

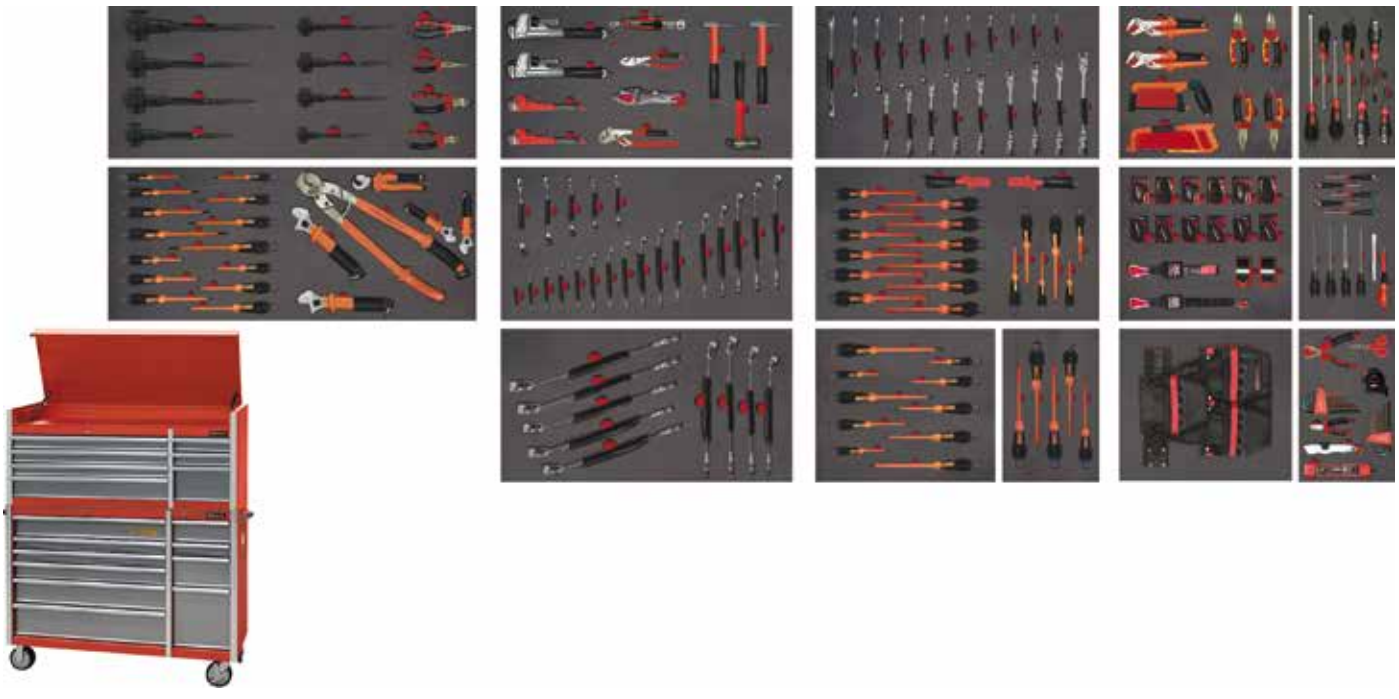
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169 PCS.



COD.	PCS.		N.°	Composición / *Composition* / Composition	Medidas en / *Sizes in* / Mesures en	Kg
AD500387	169	51074	7	AD500657, AD500667, AD500677, AD500687, AD500697, AD500707, AD500717	mm/inch	300

197 PCS.



COD.	PCS.		N.°	Composición / *Composition* / Composition	Medidas en / *Sizes in* / Mesures en	Kg
AD500397	197	51074	11	AD500727, AD500737, AD500747, AD500757, AD500767, AD500777, AD500787, AD500797, AD500807, AD500817, AD500827	mm/inch	300

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

ACO

32 PCS.



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
AD591697	32	58591, 51055	inch	●	27

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	50997	Cinturón portaherramientas / *Tool belt*	
2	50999	Accesorio de anillas para el cinturón portaherramientas / *Accessory with rings for tools belt*	
4	66105	Cordón anticaida con cuerda escalada con mosquetón / *Climbing rope carabiner lanyard*	
2	66116	Cordón anticaída con mosquetón y quitavueltas / *Carabiner lanyard with swivel*	
	66117	Cordón anticaída de nudo y quitavueltas / *Loop lanyard with swivel*	
1	AD611137, AD611157	Llaves ajustables / *Adjustable wrenches*	-
	AD621727	Tenaza grip / *Grip plier*	
	AD632627	Palanca de encofrador / *Wrecking bar*	
2	AD664067, AD664027	Destornilladores mecánicos / *Slotted screwdrivers*	
1	AD664407	Destornillador Phillips® / *Phillips® screwdriver*	
2	AD685307, AD685327	Mazas de caras octogonales / *Sledge hammers*	
	AD696677, AD696697	Macetas cuadradas tipo alemán / *German type stoning hammers*	
10	AD603827, AD603837, AD603847, AD603867, AD603877, AD603907, AD603917, AD603927, AD603947, AD678877	Llaves acodadas / *Double offset ring wrenches*	inch

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NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ACO

93 PCS.



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
AD591667	93	58874, 51055	mm	●	70

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
	50997	Cinturón portaherramientas / *Tool belt*	-
2	50999	Accesorio de anillas para el cinturón portaherramientas / *Accessory with rings for tools belt*	
	58738	Punta atornilladora de impacto con vaso / *Impact socket bits*	3/4"
4	65944, 65945	Puntas atornilladoras de impacto con vaso / *Impact socket bits*	1/2"
2	66811, 66812	Puntas atornilladoras con vaso / *Socket bits*	
	60516	Llaves de vaso / *Socket wrenches*	3/4"
	61822		1/2"
	61456	Mango articulado / *Swivel handle*	3/4"
	61441		1/2"
	61866	Alargadera / *Extension*	3/4"
	61455		1/2"
	61859	Llave de carraca reversible / *Reversible ratchet handle*	3/4"
1	62606		1/2"
	63380	Botador cilíndrico / *Pin punches*	
	63408	Botador cónico y moleteado / *Taper punches*	
	66062	Lanyard retráctil con mosquetón / *Retractable lanyard with carabiner*	
	66063	Accesorio cordón anticaída retráctil / *Retractable lanyard accessory*	
	66078	Lanyard retráctil / *Retractable lanyard*	-
	66064	Accesorio cordón anticaída retráctil con mosquetón / *Retractable lanyard with carabiner accessory*	
2	66105	Cordón anticaida con cuerda escalada con mosquetón / *Climbing rope carabiner lanyard*	
	66116	Cordón anticaída con mosquetón y quitavueltas / *Carabiner lanyard with swivel*	
3	66117	Cordón anticaída de nudo y quitavueltas / *Loop lanyard with swivel*	
	AD574377	Llave de golpe seguridad total / *Total safety slogging wrench*	mm
2	AD610247, AD610257	Llaves de aluminio / *Aluminium pipe wrenches*	-
	AD611137, AD611157	Llaves ajustables / *Adjustable wrenches*	
19	AD617267, AD617277, AD617297, AD617327, AD617337, AD617357, AD617367, AD617387, AD617407, AD617417, AD617427, AD617437, AD617447, AD617457, AD617467, AD617497, AD617507	Llaves combinadas / *Combination wrenches*	mm
1	AD620917	Alicate tipo ford / *Slip joint plier*	-
	AD623337	Alicate universal / *Universal pliers*	
2	AD765847, AD765957	Alicates universales / *Universal pliers*	1000V
	AD623407	Alicate telefonista / *Long nose pliers*	
1	AD623707	Alicate corte diagonal / *Diagonal cutting pliers*	-
	AD621727	Tenaza grip / *Grip plier*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ACO

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
1	AD632627	Palanca de encofrador / *Wrecking bar*	
3	AD634497, AD634517, AD634537	Botadores cilindricos con mango / *Pin punch with handle*	
1	AD634697	Granete / *Center punch*	-
	AD635377	Lima plana / *Flat files*	
	AD636817	Lima redonda / *Round files*	
	AD637427	Arco de sierra / *Hack saw*	
8	AD653527	Juego de llaves hexagonales en anilla / *Set of hexagonal key wrenches*	mm
3	AD664067, AD664087, AD664097	Destornilladores mecánicos / *Slotted screwdrivers*	
	AD664407, AD664417, AD664427	Destornilladores Phillips® / *Phillips® screwdrivers*	
2	AD685307, AD685327	Mazas de caras octogonales / *Sledge hammers*	-
1	AD696677	Maceta cuadrada tipo alemán / *German type stoning hammer*	
	AD697077	Martillo de bola / *Ball pein hammer*	
	AD730047	Tenaza de canal / *Box joint pincers*	1000V



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NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ACO

207 PCS.



COD.	PCS.		Medidas en / *Sizes in* / Mesures en		Kg
AD591637	207	51117	mm/inch	●	170

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
2	66063	Accesorio cordón anticaída retráctil / *Retractable lanyard accessory*	-
	66064	Accesorio cordón anticaída retráctil con mosquetón / *Retractable lanyard with carabiner accessory*	
5	50999	Accesorio de anillas para el cinturón portaherramientas / *Accessory with rings for tools belt*	
2	61455, 61458	Alargaderas / *Extensions*	1/2"
3	AD623337, AD623407, AD623707	Alicates / *Pliers*	-
4	AD765847, AD765957		1000V
2	62181, 62183	Alicates circlips / *Circlips pliers*	-
1	AD620917	Alicates tipo ford / *Slip joint pliers*	
	62628	Alicates trenzadores de alambre / *Wire twist pliers*	
2	AD730297, AD730307	Arcos de sierra / *Hack saws*	1000V
1	61437	Articulación universal / *Universal joint*	1/2"
2	63380, 63408	Botadores / *Punches*	-
	50997	Cinturón portaherramientas / *Tool belt*	
	66062	Lanyard retráctil con mosquetón / *Retractable lanyard with carabiner*	
	66078	Lanyard retráctil / *Retractable lanyard*	

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

ACO

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
2	66105	Cordón anticaida con cuerda escalada con mosquetón / *Climbing rope carabiner lanyard*	
9	66112, 66116	Cordón anticaída con mosquetón y quitavueltas / *Carabiner lanyard with swivel*	-
4	66117	Cordón anticaída de nudo y quitavueltas / *Loop lanyard with swivel*	
1	AD730427	Cortabridas / *Plastic tie cutter*	1000V
	AD638767	Cortador / *Cutter*	-
2	AD665257, AD665267	Destornilladores de carrocero / *Stubby screwdrivers*	
9	AD751567, AD766247, AD766257, AD766267, AD766277	Destornilladores electricista / *Electrician screwdrivers*	1000V
5	AD664027, AD664057, AD664067, AD664087, AD664097	Destornilladores mecánicos / *Slotted screwdrivers*	
6	AD668497, AD668467, AD668487, AD668507, AD668517, AD668527	Destornilladores microtronic / *Microtronic screwdrivers*	-
3	AD664397, AD664407, AD664417	Destornilladores Phillips® / *Phillips® screwdrivers*	
6	AD766307, AD766317, AD767387		1000V
4	AD791637, AD791647	Destornilladores planos-Phillips® / *Slotted-Phillips® screwdrivers*	
1	65165	Flexómetro / *Measuring type*	-
10	AD615167	Juego de llaves hexagonales / *Set hexagonal key wrenches*	inch
	AD615007		mm
1	62968	Llave dinamométrica reversible / *Reversible torque wrench*	1/2", 65-335 Nm
4	AD765517, AD765537	Llaves ajustables / *Adjustable wrenches*	1000V
16	AD603407, AD603417, AD603427, AD603437, AD603447, AD603457, AD603477, AD603487, AD603497, AD603517, AD603527, AD603537, AD603547, AD603557, AD603567, AD603587	Llaves combinadas / *Combination wrenches*	inch
9	AD617297, AD617327, AD617367, AD617387, AD617417, AD617437, AD617467, AD617497, AD617507		mm
2	AD610247	Llaves de aluminio / *Aluminium pipe wrenches*	-
1	62606	Llaves de carraca reversible / *Reversible ratchet handles*	
27	60481, 60482, 60483, 60484, 60485, 60486, 60487, 60488, 60491, 60492, 60494, 60495, 60496, 60497, 60498, 61802, 61803, 61804, 61805, 61806, 61809, 61811, 61814, 61816, 61819, 61822, 61823	Llaves de vaso / *Socket wrenches*	1/2"
9	AD607707, AD607717, AD607727, AD607737, AD607747, AD607757, AD607777, AD607787, AD607807	Llaves estrella plana / *Double ended flat ring spanners*	mm
2	AD610157	Llaves heavy duty / *Heavy duty wrenches*	-
5	AD607857, AD607887, AD607897, AD607907, AD607927	Llaves para racores / *Flare nut spanners*	
1	61441	Mango articulado / *Swivel handle*	1/2"
	AD697087	Martillo / *Hammer*	-
	67204	Palancas boca curva / *Pry bars*	
14	56895, 66807, 66808, 66809, 66811, 66812, 66813, 66814, 66830, 66831, 66832, 66833, 66836, 66837	Puntas atornilladoras con vaso / *Sockets bits*	1/2"
3	AD730087, AD730097, AD761477	Tenazas cortacables / *Cable cutters*	1000V
2	AD730047	Tenazas de canal / *Box joint pincers*	
	AD621727, AD620977	Tenazas grip / *Grip pincers*	-
1	AD586417	Linterna / *Flashlight*	

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PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

NACIONES UNIDAS (ONU) / UNITED NATIONS (UN) / NATIONS UNIES (ONU)

PROYECTO DESMINADO CON HERRAMIENTAS ANTICHISPA / LANDMINE REMOVAL PROJECT WITH NON-SPARKING TOOLS / PROJET DE DÉMINAGE AVEC OUTILLAGE ANTIDÉFLAGRANT

IRAK / IRAQ / IRAK







36

ANTICHISPA AISLADA 1000V
1000V INSULATED NON-SPARKING
ANTI-DÉFLAGRANT ISOLÉ 1000V
1000V FUNKENFREI
ANTISCINTILLA 1000V ISOLATA
FERRAMENTA ANTI-CHISPA ISOLADA 1000V
1000В ВЫСОКОВОЛЬТНЫЙ ИСКРОБЕЗОПАСНЫЙ ИНСТРУМЕНТ



36 ANTICHISPA AISLADA 1000V
1000V INSULATED NON-SPARKING
ANTI-DÉFLAGRANT ISOLÉ 1000V

Existen áreas de trabajo en las que los trabajadores se exponen a la combinación de varios factores de riesgo en lo que a seguridad y salud se refiere: los trabajos bajo tensión eléctrica dentro de entornos que presenten algún tipo de agente explosivo (como, por ejemplo, gases o polvos). Esta situación puede darse, por ejemplo, en las siguientes aplicaciones:

- Fabricación de pila/baterías.
- Mantenimiento y reparación de baterías.
- Mantenimiento eléctrico en zonas ATEX.

Esta gama proporciona herramientas aisladas certificadas de acuerdo a la norma internacional IEC 60900, asegurando al mismo tiempo propiedades anti-chispa para zonas clasificadas como ATEX. En cuanto a dimensiones y diseño son idénticas a las herramientas de gran calidad de la gama anti-chispa de **EGA Master**, pero con el aislamiento necesario y adecuado para poder trabajar bajo tensión, por lo que se mantienen tanto las propiedades mecánicas como las de seguridad. Fabricadas en Al-Br y Cu-Be, ambas aleaciones están certificadas por el Instituto Federal Alemán BAM, acreditado por la Unión Europea para la aprobación de productos dirigidos a ambientes con riesgo de explosión.





Certain working areas show 2 different health and safety risks: they show voltage tension, while the environment may have an explosive agent present (such as gases or dusts). Such areas may appear in:

- *Manufacturing of batteries*
- *Battery repair and maintenance*
- *Electrical maintenance in ATEX areas.*

*The **EGA Master** Non-sparking 1000V insulated tool range provides safe insulated tools, certified according to international IEC 60900 standard, while assuring total non-sparking properties for ATEX classified areas. Tools are exactly the same shape and design as the high-quality **EGA Master** non-sparking tools, but with the necessary and adequate insulation for jobs under voltage. Manufactured in Al-Br or Cu-Be, both alloys are certified by the German Federal BAM Institution, accredited by the European Union for the approval of products to be used in explosion hazard environments.*

Ils existent des zones de travail dans lesquels les travailleurs s'exposent à divers facteurs risque, en termes de sécurité et de santé: les travaux sous tension électrique situés dans des environnements qui présentent un certain type d'agent explosif (comme par exemple les gaz ou la poussière). Cette situation peut se dérouler, par exemple, dans les applications suivantes:

- Fabrication de pile/batteries
- Maintenance et réparation de batteries
- Maintenance électrique en zones ATEX

Cette gamme fournit des outils isolés certifiés conforme à la norme internationale IEC 60900, fournissant également des propriétés anti-déflagrantes pour les zones classifiéés ATEX. Quant aux dimensions et au design, ils sont identiques aux outils de grande qualité de la gamme antidéflagrante d'**EGA Master**, mais avec l'isolation nécessaire et adéquate pour travailler sous tension, raison pour laquelle autant les propriétés mécaniques que de sécurité sont préservées. Fabriqués en Al-Br et Cu-Be, les deux alliages sont certifiés par l'Institut Fédéral Allemand BAM, accrédité par l'Union Européenne pour l'agrément des produits destinés aux environnements avec risque d'explosion.





ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
79030	Cu-Be	79031	Al-Bron	160	250
79032		79033		180	320
76240		76241		200	370

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré



BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
79036	Cu-Be	79037	Al-Bron	160	160

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré



TELEFONISTA / *LONG NOSE* / TELEPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

COD.	MAT.	COD.	MAT.	L (mm)	g
79038	Cu-Be	79039	Al-Bron	160	250
79040		79041		180	270
76242		76243		200	370

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré



CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *KRAFTSEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / БОКОРЕЗЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
79042	Cu-Be	79043	Al-Bron	160	250

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré



CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
79044	Cu-Be	79045	Al-Bron	160	260
79046		79047		180	320

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré



ALICATE GASISTA / *GAS PIPE PLIERS* / PINCE GAZIER / *ROHRZANGE* / PINZA PER GASISTA / *ALICATE PARA TUBO DE GAZ* / КЛЕЩИ ГАЗОВЫЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
79048	Cu-Be	79049	Al-Bron	210	370

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré



ALICATE TIPO FORD / *SLIP JOINT PLIER* / PINCE MOTORISTE / *MECHANIKERZANGE* / PINZE PER GASISTI / *ALICATE MOTORISTA* / СКОЛЬЗЯЩИЕ КЛЕЩИ

COD.	MAT.	COD.	MAT.	L (inch)	g
79050	Cu-Be	79051	Al-Bron	8	250

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré



PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ

COD.	MAT.	COD.	MAT.	L (mm)	g
79052	Cu-Be	79053	Al-Bron	170	220

1000 V | IEC 60900 | Modelo registrado / *Registered model* / Modèle enregistré



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

36

ANTICHISPA AISLADA 1000V
1000V INSULATED NON-SPARKING
ANTIDÉFLAGRANT ISOLÉ 1000V
1000V FUNKENFREI
ANTISCINTILLA 1000V ISOLATA
FERRAMENTA ANTI-CHISPA ISOLADA 1000V
1000В ВЫСОКОВОЛЬТНЫЙ ИСКРОБЕЗОПАСНЫЙ ИНСТРУМЕНТ

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

TENAZA DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / ШАРНИРНЫЕ

COD.	MAT.	COD.	MAT.	L (inch)	g
79358	Cu-Be	79359	Al-Bron	10	350



1000 V | IEC 60900

LLAVE AJUSTABLE / *ADJUSTABLE WRENCH* / CLÉ À MOLETTE / *ROLLGABELSCHLÜSSEL* / CHIAVI REGOLABILI A RULLINO / *CHAVE AJUSTAVEL* / РАЗВОДНЫЕ КЛЮЧИ

COD.	MAT.	COD.	MAT.	L (inch)	AF mm	g
79361	Cu-Be	79363	Al-Bron	8	25	330
79362		79364		10	30	550



1000 V | IEC 60900

DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *SCHRAUBENZIEHER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

MECÁNICO / *SLOTTED* / MECANICIEN / *FÜR SCHLITZSCHRAUBEN* / PER MECCANICI / *MECÂNICO* / ПЛОСКАЯ



COD.	MAT.	COD.	MAT.		g
79155	Cu-Be	79156	Al-Bron	3 x 75	35
72227		72226		4 x 100	60
79157		79158		5 x 100	75
79159		79160		6 x 150	110
79161		79162		8 x 200	165

1000 V | IEC 60900

PHILLIPS®*



COD.	MAT.	COD.	MAT.		g
72225	Cu-Be	72224	Al-Bron	PH-0	50
79147		79148		PH-1	75
79149		79150		PH-2	110
79151		79152		PH-3	165
79153		79154		PH-4	245

1000 V | IEC 60900

JUEGOS ELECTRICIDAD / *ELECTRICIAN SETS* / SETS ÉLECTRICIENS / *WERKZEUGSÄTZE FÜR ELEKTRIZITÄT* / KIT ELETTRICISTI / *JOGOS ÉCTRICIDADE* / НАБОР ЭЛЕКТРИКА

13 PCS.



COD.	PCS.		MAT.	Kg
79087	13	51054	Cu-Be	5,7

COD. PCS.	Descripción / *Description* / Description	
76240	Alicate universal / *Combination pliers*	-
79042	Alicate corte diagonal / *Diagonal cutting plier*	
79052	Pelacables / *Wirestripper*	
79362	Llave ajustable / *Adjustable wrench*	10"
79358	Tenaza de canal / *Box joint*	
79147	Destornilladores / *Screwdrivers*	PH1
79149		PH2
79151		PH3
79155		3 x 75 mm
72227		4 x 100 mm
79157		5 x 100 mm
79159		6 x 150 mm
79161		8 x 200 mm



COD.	PCS.		MAT.	Kg
79088	13	51054	Al-Bron	5,7

COD. PCS.	Descripción / *Description* / Description	
76241	Alicate universal / *Combination pliers*	-
79043	Alicate corte diagonal / *Diagonal cutting plier*	
79053	Pelacables / *Wirestripper*	
79364	Llave ajustable / *Adjustable wrench*	10"
79359	Tenaza de canal / *Box joint*	
79148	Destornilladores / *Screwdrivers*	PH1
79150		PH2
79152		PH3
79156		3 x 75 mm
72226		4 x 100 mm
79158		5 x 100 mm
79160		6 x 150 mm
79162		8 x 200 mm

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

LLAVES / *WRENCHES* / CLÉS / *SCHLÜSSEL* / CHIAVI / *CHAVES* / КЛЮЧИ

FIJA DE UNA BOCA / *SINGLE ENDED OPEN JAW SPANNER* / À FOURCHE / *EINMAULSCHLÜSSEL* / FISSE SEMPLICE / *FIXA DE UMA BOCA* / ОДНОРОЖКОВЫЙ КЛЮЧ



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
79250	Cu-Be	79277	Al-Bron	6	90	50
79251		79278		7		
79252		79279		8	95	
79253		79280		9	105	60
79254		79281		10		
79255		79282		11	110	
79256		79283		12	115	
79257		79284		13	125	
79258		79285		14	130	
79259		79286		15	135	
79260		79287		16	140	
79261		79288		17	145	
79262		79289		18	155	
79263		79290		19	160	
79264		79291		20	170	80
79265		79292		21	175	95
79266		79293		22	185	110
79267		79294		23	195	160
79268		79295		24	200	210
79269		79296		25	215	
79270		79297		26	225	
79271		79298		27		
79272		79299		28	235	260
79273		79300		29	245	280
79274		79301		30	255	310
79275		79302		32	275	

1000 V | IEC 60900

ESTRELLA DE UNA BOCA ACODADA / *OFFSET SINGLE END RING WRENCH* / CLÉ POLYGONALE CONTRE-COUDÉE / *EINRINGSCHLÜSSEL, GEKRÖPFT* / CHIAVE A GOMITO A STELLA UNA BOCCA / *CHAVE LUNETA BOCA INCLINADA* / КЛЮЧ ИЗОГНУТАЯ ОДИНАРНАЯ ЗВЕЗДОЧКА



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
79304	Cu-Be	79331	Al-Bron	6	100	35
79305		79332		7		50
79306		79333		8		
79307		79334		9	110	
79308		79335		10		55
79309		79336		11	120	60
79310		79337		12		80
79311		79338		13		85
79312		79339		14		100
79313		79340		15	150	150
79314		79341		16	170	
79315		79342		17		
79316		79343		18		210
79317		79344		19	200	
79318		79345		20		270
79319		79346		21		
79320		79347		22		
79321		79348		23	230	300
79322		79349		24		400
79323		79350		25	280	410
79324		79351		26		440
79325		79352		27		
79326		79353		28	300	530
79327		79354		29		
79328		79355		30	310	730
79329		79356		32	320	

1000 V | IEC 60900

EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

HYUNDAI HEAVY INDUSTRIES / HYUNDAI HEAVY INDUSTRIES / HYUNDAI HEAV INDUSTRIES

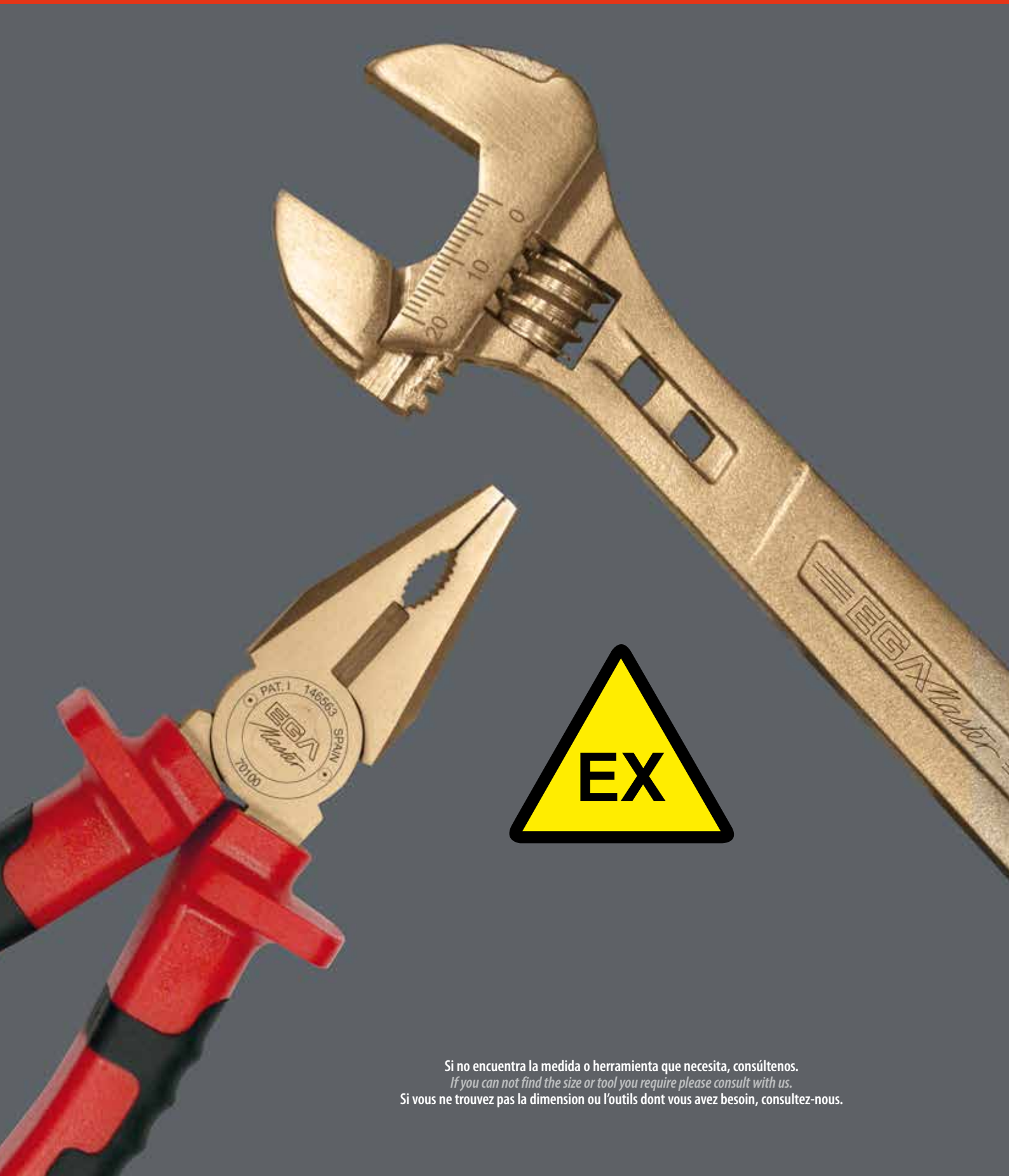
HERRAMIENTA ANTICHISPA / NON-SPARKING TOOLS / OUTILLAGE ANTIDÉFLAGRANT

COREA / KOREA / CORÉE



37

ANTICHISPA
NON-SPARKING
ANTI-DEFLAGRANT
FUNKENFREI
ANTISCINTILLA
ANTI-DEFLAGRANTE
ИСКРОБЕЗОПАСНЫЙ



Si no encuentra la medida o herramienta que necesita, consúltenos.
If you can not find the size or tool you require please consult with us.
Si vous ne trouvez pas la dimension ou l'outils dont vous avez besoin, consultez-nous.

37 ANTICHISPA *NON-SPARKING* ANTI-DÉFLAGRANT

Las herramientas Antichispa EGA Master son la mejor alternativa para las aplicaciones en entornos de potencial explosivo. Incorporamos a nuestras herramientas antichispa todo nuestro conocimiento de décadas diseñando y fabricando herramientas de mano, ergonómicas, fáciles de usar y con el diseño más atractivo.

***EGA Master** Non-Sparking Tools are the best alternative for non-sparking application purposes in potentially explosive environments. We incorporate to our non-sparking tools all our knowledge of decades designing and manufacturing hand tools, making the most ergonomic and nicest design for them.*

L'outillage anti-déflagrant EGA Master est la meilleure alternative pour l'application en milieux explosifs. Nous apportons notre longue expérience dans la conception et la fabrication d'outillage á main dans le domaine de l'ergonomie, de la facilité d'utilisation et du Design.

MATERIALES
MATERIALS
MATERIAUX

Aleación Cobre-Berilio / *Copper-Berylium Alloy* / Alliage Cuivre-Béryllium		
Composición / *Composition* / Composition	Be	1,8 % - 2,3 %
	Ni+Co	> 0,2 %
	Co+Ni+Fe	< 1,2 %
	Cu+Be+Co+Ni+Fe	≥ 99,0 %
Dureza / *Hardness* / Dureté	311- 408 Brinell	
Resistencia a la tracción / *Tensile Strength* / Resistence á la traction	1250 N/mm²	

Aleación Aluminio-Bronce / *Aluminium-Bronze Alloy* / Alliage aluminium-bronze		
Composición / *Composition* / Composition	Al	10 % - 12 %
	Ni	4 % - 6 %
	Fe+Mn	5,8 % - 7 %
	Cu+Al+Ni+Fe+Mn	≥ 99,0 %
Dureza / *Hardness* / Dureté	241-311 Brinell	
Resistencia a la tracción / *Tensile Strength* / Resistence á la traction	800 N/mm²	

NOTA IMPORTANTE / *IMPORTANT NOTE* / AVIS IMPORTANT

Por sus características especiales de dureza y resistencia (sensiblemente inferiores a los que se pueden obtener en herramientas de acero), las herramientas antichispa no pueden ser garantizadas contra ninguna deformación ni rotura. Sólo se repondrán en concepto de garantía aquellas herramientas antichispa cuya dureza Brinell sea inferior (o exceda) a la indicada en nuestro catálogo: 311-408 Brinell en el caso de las fabricadas en Cobre-Berilio y 241-311 Brinell en las fabricadas en Aluminio Bronce.

The hardness and resistance that can be achieved with the materials used to manufacture non-sparking tools is significantly lower than that which can be obtained in tools made of steel. Due to these special characteristics of the material employed, non-sparking tools can not be guaranteed against any deformation or breakage. Non-sparking tools will be replaced under guarantee only when the hardness of the damaged tool does not reach (or exceeds) the one indicated in our catalogue: 311-408 Brinell for those made in Copper-Beryllium and 241-311 Brinell for those made in Aluminum Bronze.

Du fait de sa dureté et sa résistance spécifiques (sensiblement inférieures à celles d'outils en acier), les outils anti-déflagrants ne peuvent être garantis contre toute déformation ou rupture. Seulement seront pris en garantie, les outils anti-déflagrants dont la dureté est inférieure (ou excède) à celle indiquée dans notre catalogue: 311-408 Brinell pour le Cuivre - Béryllium et 241-311 Brinell pour l'Aluminium - Bronze.



PROPIEDADES Y CARACTERÍSTICAS
PROPERTIES AND FEATURES
PROPRIÉTÉS ET CARACTERÍSTIQUES

Propiedad / *Property* / Propriété	Aplicación o beneficio / *Aplication or benefits* / Application ou bienfait
Antichispa / *Non-sparking* / Anti-déflagrant	Apropiado para entornos de potencial explosivo / *Appropriate for explosive potential environments* / Approprié pour un environnement explosif
Seguridad anti-magnética / *Non-magnetic safety* / Sécurité anti-magnétique	Esencial para equipos que requieren una completa seguridad no magnética / *Essential for equipments that require complete non-magnetic safety* / Essentiel pour des équipements qui nécessitent une compléte sécurité, sauf magnétique
Resistente a la corrosión / *Corrosion resistant* / Resistant á la corrosion	Especialmente concebidos para aplicaciones en entornos corrosivos como pueden ser en trabajos en la marina o de aplicaciones de bomberos / *Specially well suited for applications in corrosive environments like encountered in marine works or fire-fighting applications* / Spécialement concu pour des environnements corrosifs, comme des travaux en air salin ou pratiqués par les pompiers
Forjado después de la fundición / *Forged after casting* / Forgé aprés fonte	Proporcionan grandes propiedades mecánicas y gran acabado / *Provides higher mechanical properties and better finishing* / Cet outillage forgé a une grande résistance mécanique et une meilleure finition
Diseños Ergonómicos / *Ergonomic designs* / Formes ergonomiques	La utilización de dos materiales antideslizantes para los mangos, diseño totalmente ergonómico para hacer las operaciones más fácilmente, más rápido y confortable / *The use of bi-material anti-slippery handles, dipping anti-slippery handles, totally ergonomic designs make operations easier, more comfortable and master* / L'utilisation de deux matériaux anti-dérapants pour le manche, le design totalement ergonomique pour un travail plus aisé, plus rapide et confortable

DIFERENCIAS Y ELECCIÓN DE LA OPCIÓN CORRECTA
DIFFERENCES AND HOW TO MAKE THE CORRECT CHOICE
DIFFÉRENCES ET SÉLECTION DE L'OPTION CORRECTE

Concepto / *Concept* / Concept	Cu-Be	Al-Bron
Dureza / *Hardness* / Dureté	311- 408 Brinell	241-311 Brinell
Magnetismo / *Magnetism* / Magnetisme	La ausencia férrea en la composición hace que sea más seguro cuando las aplicaciones no magnéticas son requeridas / *Non ferrous substance in the composition makes it safer when non-magnetic applications are required* / L'absence de substance ferrique dans sa composition, fait de lui un alliage plus sur pour des utilisations non magnétiques	Mínimo componente de hierro hacen que no sea 100 % no magnético, aunque su bajo magnetismo lo hace apropiado para las aplicaciones de bajo magnetismo no críticas / *Minimum ferrous component makes them not 100% non-magnetic, although its low magnetism make it appropiate for non critical non-magnetic applications* / Le minimum de substance ferreuse fait qu'il n'est pas á 100% amagnétique, malgré tout, son faible magnétisme le rend approprié pour des travaux amagnétiques mais non critiques
Durabilidad / *Durability* / Longévité	Muy grande debido a la gran dureza y la resistencia a tracción. Grandes esfuerzos pueden ser proporcionados / *Much higher due to the higher hardness and tensile strength. Higher efforts can be made* / Grande longévité due á sa composition et á la dureté. Supporte des forces importantes	No tanto como el Cu-Be / *Not as much as Cu-Be* / Pas autant que le Cu-Be
Precio / *Price* / Prix	Gran precio debido al material especial usado / *Higher price due to the special raw material used* / Onérosité due aux matériaux spéciaux utilisés	Sobre un 30 % más bajo / *Around 30% lower price* / Approx. 30% moins cher

PRECAUCIÓN
CAUTION
PRÉCAUTION

No usar herramientas que contengan más de un 65 % de cobre en contacto directo con acetileno debido a la posible formación de acetilita explosiva, especialmente en presencia de humedad.

Do not use high copper content tools (>65%) in direct contact with acetylene due to the possible formation of explosive acetylide, specially in the presence of moisture.

Ne pas utiliser les outils composés de cuivre (>65%), en contact direct avec l'Acétylène car il y a un risque d'explosion acétylique surtout en présence d'humidité.

TABLA DE RIESGOS DE EXPLOSIÓN Y MÁXIMA TEMPERATURA
TABLE OF RISKS OF EXPLOSION AND MAXIMUM TEMPERATURE
TABLEAU DE RISQUES D'EXPLOSION ET TEMPÉRATURE MAXIMALE

Grupo de ignición *Explosion group* **Groupe d'explosion**	**Clase de temperatura (máxima temperatura superficial admitida)** *Class of temperature (maximum surface temperature allowed)* **Classe de temperature maximum admise**					
Temperatura de ignición *Temperature of ignition* **Température d'Ignition**	T1 (450 °C)	T2 (300 °C)	T3 (200 °C)	T4 (135 °C)	T5 (100 °C)	T6 (85 °C)
	450 °C	300-450 °C	200-300 °C	135-300 °C	100-135 °C	85-100 °C
I	Metano *Methane* Méthane					
IIA **Energía de ignición superior a:** *Energy of ignition higher than:* **Energie d'ignition supérieure á:** **0.18 mJ**	Acetona *Acetone* Acétone	i-amilacetato *i-amyl acetate* i-amylacétate	Amilalcohol *Amyl alcohol* Amyl alcool	Acetaldehído *Acetaldehyde* Acétaldéhyde		
	Amoníaco *Ammonia* Ammoniac	n-butano *n-butane* n-butane	Gasolinas *Gasolines* Gasolines			
	Benceno *Benzene* Benzène	n-butanol *n-butanol* n-butanol	Gasóleo *Gas-oil* Gas-Oil			
	Etilacetato *Ethylacetate* Acétate d'ethyle	1-buteno *1-butene* 1-butène	Combustible de calefacción *Heating oil* Huile de chauffage			
		Propilacetato *Propylacetate* Acétate de propyle	n-hexano *n-hexane* n-hexane			
	Metanol *Methanol* Méthanol	i-propanol *i-propanol* i-propanol				
	Propano *Propane* Propane	Vinilclorido *Vinylchloride* Vinylchloride				
	Tolueno *Toluene* Toluène					
IIB **Energía de ignición entre:** *Energy of ignition between:* **Energie d'ignition de:** **0.06 & 0.18 mJ**	Cianuro de hidrógeno *Hydrogen cyanide* Cyanure d'hydrogène	1.3-butadieno *1.3-butadiene* Buta-1.3 diène	Dimetileter *Dimethyl ether* Diméthyl éther	Dietileter *Diethyleter* Diéthyl éther		
		1.4-dioxano *1.4-dioxane* 1.4-dioxane	Etiloglicol *Ethyl glycol* Ethyl glycol			
	Gas de carbón *Coal gas (lighting gas)* Gaz de houille	Etileno *Ethylene* Éthylène	Sulfuro de hidrógeno *Hydrogen sulphide* Sulfure d'hydrogène			
		Óxido de etileno *Ethylene oxide* Oxyde d'ethylène				
IIC **Energía de ignición inferior a:** *Energy of ignition less than:* **Energie d'ignition inferieur á:** **0.06 mJ**	Hidrógeno *Hydrogen* Hydrogène	Acetileno *Acetylene* Acétyléne			Disulfuro de carbono *Carbon disulphide* Disulfure de carbone	
	Gas de agua *Water gas* Gaz d'eau (CO+H2)				Nitrato de etilo *Ethyl nitrate* Nitrate d'ethyle	

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Las herramientas fabricadas en aleación Cobre-Berilio se pueden utilizar en todos los grupos (I, IIA, IIB y IIC) de manera segura, respetando siempre la temperatura máxima de superficie, excepto para el acetileno, porque el cobre reacciona con él creando gases de acetilita altamente explosivos.

Tools made of Cu-Be alloy can be used in all groups (I, IIA, IIB, IIC) in a safe way, always respecting the maximum surface temperature allowed, with the only exception of acetylene, with which copper might react and create highly explosive acetylite gases.

Le cuivre Bérylium peut étre utilisé dans tous les cas d'une maniére sûre, á condition que la température superficielle de l'outil ne dépasse pas le niveau de température pour chaque gaz. Ne pas utiliser en présence d'Acthylene, car le contact peut créer des étincelles explosives.

Las herramientas fabricadas en aleación Aluminio-Bronce se pueden utilizar en todos los grupos excepto en IIC (hidrogeno, gas de agua, acetileno, bisulfuro de carbono y nitrato de etilo), respetando siempre la temperatura máxima de superficie.

Tools made of Al-Bronze alloy can be used in a safe way, always respecting the maximum surface temperature allowed, except for the IIC group (Hydrogen, gas of water, acetylene, bisulphide of carbon, Ethyl nitrate).

L'aluminium-Bronze est sûr pour tous ces produits sauf pour le groupe IIC (gaz d'eau, Hydrogéne, Acétyléne, Bisulfure de carbone et Nitrate d'éthyle , encore que de tous ces gaz seul l'hydrogéne est común), á condition que la température superficielle de l'outil ne dépasse pas le niveau de température pour chaque gaz.

HERRAMIENTAS DE COBRE O LATÓN
COPPER OR BRASS TOOLS
OUTILS EN CUIVRE OU EN LAITON

Las herramientas de cobre o latón son seguras en ambientes explosivos.

EGA Master tiene disponible una gama completa de martillos y mazas de cobre y latón a disposición de los clientes.

Es conveniente saber que las herramientas de cobre o latón no pueden ser nunca considerados como sustitutivos de las herramientas de aluminio-bronce o cobre-berilio, debido a que su dureza es muy inferior a la necesaria para la mayoría de aplicaciones. Existe la tentación de escoger herramientas en cobre o latón debido a su menor coste respecto a las aleaciones de aluminio-bronce o cobre-berilio. Esta opción no solo es peligrosa de por si, sino que hará que a corto plazo tengamos que reemplazarlas por nuevas unidades debido al desgaste sufrido por sus bajas durezas.

Por tanto, las herramientas de cobre o latón deberían ser empleadas únicamente en aquellas aplicaciones que se deban llevar a cabo en zonas de riesgo de explosión, si la misma aplicación requiriese emplear herramientas de cobre o latón en un ambiente sin riesgo de explosión.

Si usted emplearía una herramienta de acero en una zona sin riesgo de explosión, entonces debe escoger por su seguridad y rentabilidad herramientas fabricadas en aluminio-bronce o cobre-berilio para realizar la misma labor en una zona de riesgo, nunca una herramienta de cobre o latón.

Copper or brass tools are safe in explosive environments.

***EGA Master** has available a complete range of copper and brass hammers and mallets made in both materials.*

It is convenient to know that copper or brass tools can never be considered as alternatives to aluminum-bronze or copper-beryllium alloy tools, because their hardness is too low for most applications. There is the temptation to choose copper or brass tools due to their lower cost compared to aluminum-bronze or copper-beryllium ones. This choice is not only risky in itself, but in the short/mid term it will be necessary to replace them for new ones because they wear out fast.

For this reason, copper or brass tools should only be used in those jobs that have to be made in risky environments, if the same job would be made with copper or brass tools in a non-risky environment. In case you would use a steel tool in a non-risky environment, than you should choose for your safety and profitability tools made in aluminum-bronze or copper-beryllium to make the same job in a risky environment, never a copper or brass tool.

Les outils en cuivre ou en laiton sont sûrs pour une utilisation dans des evironnements explosifs.

EGA Master a toute une gamme compléte de marteaux et de masses en cuivre et en laiton au service des clients.

Il est important de savoir que les outils en cuivre ou en laiton ne peuvent jamais être considérés comme subtitutifs des outils en alumimium-bronze ou en cuivre-bérylium, ceci du á une dureté bien inférieure á celle nécessaire pour la plus part des applications. La tentation de substituer l'alu-Br et le Cu-Bé par le cuivre ou le laiton existe , dû au coût plus bas . Cette option , non seulement est dangereuse , mais aussi peu rentable, car l'outillage en cuivre ou en laiton sera á remplacer á trés court terme, car beaucoup moins résistant.

Mais les outils en cuivre ou en laiton devraient être uniquement utilisés pour des applications en zones de risques d'explosions, si le même usage était requis en atmosphére sans risque d'explosion.

Pour un emploi d'outils en acier en atmosphére sans risque d'explosion, alors pour votre sécurité et une meilleure rentabilité, vous devez prendre des outils fabriqués en Aluminium - Bronze ou en Cuivre- Bérylium pour des applications en zone de risque , jamais un outil en cuivre ou en laiton.

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ALEACIÓN ACETILEX, TRABAJO SEGURO INCLUSO EN AMBIENTES DE ACETILENO
ACETILEX ALLOY, SAFE WORK EVEN IN ACETHYLENE ENVIRONMENTS
ALLIAGE ACETILEX, TRAVAIL SÛR MÊME EN PRÉSENCE D'ACÉTHYLÉNE

Los ambientes de acetileno hacen que no se puedan emplear elementos con composiciones de cobre superiores al 65 %. Ambas aleaciones aluminio-bronce y cobre-berilio tienen porcentajes de cobre superiores al 65 %. La razón no estriba en que una chispa de cobre berilio tenga la suficiente energía como para provocar la ignición del acetileno, sino que el cobre puede reaccionar con el acetileno creando acetiluros altamente explosivas de por si. Por este motivo, se desaconseja el uso de cualquiera de las aleaciones de cobre berilio o aluminio bronce en ambientes de acetileno.

En **EGA Master**, siempre buscando soluciones innovadoras que aporten mayor seguridad, hemos desarrollado la aleación **ACETILEX**, 100 % segura en ambientes de acetileno. Una vez mas, pioneros en seguridad.

Items with copper composition higher than 65% should not be used in acetylene environments. Both aluminum bronze and copper-beryllium alloys do have copper compositions higher than 65%. The reason is not that copper beryllium can create a spark with enough energy to create the ignition of acetylene, but that copper reacts with acetylene creating highly explosive acetylides. For this reason, copper-beryllium or aluminum-bronze alloys should not be used in acetylene environments.

***EGA Master**, always commited to find new innovative solutions that will increase safety, has developed the **ACETILEX** alloy, 100% safe to be used in acethylene environments. Once again, pioneers in safety.*

Les atmosphéres en présence d'acéthyléne font qu'on ne peut utiliser de compositions en cuivre supérieurs á 65%. Les deux alliages aluminium - bronze et cuivre - bérylium ont un pourcentage de cuivre supérieur á 65%. La raison ne repose pas sur le fait que l'étincelle du cuivre-bérylium ait l'énergie suffisante pour provoquer l'ignition de l'acéthyléne, mais que le cuivre peut avoir une réaction avec l'acéthyléne, ce qui peut provoquer des particules acétylure hautement explosives. Pour cette raison, il est déconseillé l'utilisation d'alliages de cuivre bérylium ou d'aluminium bronze en présence d'acéthyléne.

En permanence á la recherche de solutions novatrices ayant la meilleure sécurité, **EGA Master** a développé l'alliage **ACETILEX**, 100% sûre en presence d'acéthyléne. Une fois de plus, pionniers en sécurité.

PRINCIPALES CAMPOS DE APLICACIÓN
MAIN APPLICATION FIELDS
PRINCIPAUX CHAMPS D'APPLICATION

Petroquímicas *Petrochemicals* Petrochimie	Fábrica cervecera *Breweries* Brasseries
Refinerías *Refineries* Raffineries	Industrias de procesamiento de alcohol *Alcohol processing industries* Fabrication d'alcool
Industria del Petróleo *Oil Companies* Sociétés pétroliéres	Destilerías *Distilleries* Distilleries
Conductos de tubo de Gas y Petróleo *Gas & oil pipe lines* Conduits de gaz et de pétrole	Bomberos *Fire-fighters* Pompiers
Estaciones de servicio y energía *Power Stations* Stations de service et energie	Minas *Mines* Mines
Fabricación de pintura *Paint Manufacturing* Fabrication de peinture	Defensa *Defence* Defense
Fabricación de plástico *Plastic manufacturing* Fabrication de plastique	Fuerzas aéreas *Air Forces* Forces aériennes
Industria Farmacéutica *Pharmaceutical Industry* Industrie pharmaceutique	Marina *Navy* Marine
Industria Pirotécnica *Fireworks Industry* Industrie pyrotechnique	Fabricación de munición y armas *Weapon & ammunition fabrication* Fabrication de poudres et explosifs
Industria química *Chemical Industry* Industrie chimique	Industria aeroespacial *Aerospace industry* Industrie aérospaciale
Industria papelera *Paper making Industries* Industrie du papier	Industria del automóvil *Automobile Industry* Industrie automobile
Silos de harina y molinos *Flour silos and mills* Silos et moulins	Etc.

INSTRUCCIONES DE USO Y GARANTÍA
INSTRUCTIONS FOR USE & WARRANTY
INSTRUCTIONS D'UTILISATION ET GARANTIE

1. Las herramientas antichispa no pueden alcanzar la dureza de las herramientas convencionales. Por esta razón en su uso se debe tener un especial cuidado, sin sobreesfuerzos ni alta temperatura.

   Non-Sparking Tools cannot reach the hardness of conventional tools. For this reason the use of Non-Sparking Tools has to be carried out with special care, avoiding overstraining, heating, etc.

   L'outillage anti-déflagrant ne peut avoir la même dureté que l'outillage traditionnel. Pour cela, il requierre une attention spéciale, en évitant la surcharge, la chaleur…

2. Si en toda llave/destornillador es imperativo emplear la medida correspondiente a la tuerca o tornillo, en el caso de las antichispa lo es aún con más razón, ya que si se usara indebidamente una de distinto tamaño al preceptivo, el efecto cizalla que se causaría, propiciaría su deterioro.

   To avoid damage being caused to both tool and fastener, it is necessary to always ensure that the correctly sized spanner/wrench/screwdriver is selected. Due to the reduced strength and wear resistance of Non-Sparking Alloys selecting the correctly sized tool becomes essential to avoid premature wear and early deterioration of the tool.

   S'il est impératif dans tous tournevis/clés d'employer la dimension correspondante à l'écrou ou à la vis, il est encore plus vital dans le cas de l'anti-déflagrant, puisque s'il s'utilise de façon incorrecte la dimension obligatoire, l'effet cisaille causé favoriserai sa détérioration.

3. Durante trabajos en zonas clasificadas con riesgo de explosión, además de requerimientos relativos al uso de herramienta antichispa, deben tenerse en cuenta necesidades respecto de otros elementos tales como que el uso de maquinaria y artículos eléctricos/electrónicos con certificación ATEX, elementos de protección individual…

   While carrying out works in areas classifieds with risk of explosion, in addition to the safety requirements related to the use of non-sparking tools, it also must be taken into account requirements related to other elements used, such as ATEX certification for machinery, electrical/ electronic devices,… and also individual protection elements.

   Lors de travaux dans des zones classées à risque d'explosion, en plus des exigences liées à l'utilisation d'outils antidéflagrants, certains besoins doivent être pris en compte concernant d'autres éléments tels que l'utilisation de machines et d'éléments électriques/électroniques avec certification ATEX, des éléments de protection individuelle...

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CERTIFICADO
DE CONFORMIDAD

Certificamos que las herramientas antichispa fabricadas por EGA Master en **Aluminio-Bronce** cumplen con la Directiva Europea ATEX 1999/92/EC en las zonas de trabajo 1 y 2 (Gas, Vapor) y/o Zonas 21 y 22 (Polvo). Además, son seguras en grupos de explosión I, IIA, IIB, IIC (excepto acetileno por la formación química de acetilita explosiva) de acuerdo a la ISO/IEC 80079-20-1:2017.

Composición química
Al: *10% - 12%*
Ni: *4% - 6%*
Fe+Mn: *5,8% - 7%*
Resto: *Cu+Al+Ni+Fe+Mn ≥99,0 %*
Dureza
241-311 Brinell
Resistencia a la tracción
800 N/mm2

Certificamos que las herramientas **Cobre-Berilio** fabricadas por EGA Master cumplen con la Directiva Europea ATEX 1999/92/EC en las zonas de trabajo 1 y 2 (Gas, Vapor) y/o Zonas 21 y 22 (Polvo). Además, son seguras en grupos de explosión I, IIA, IIB, IIC (excepto acetileno por la formación química de acetilita explosiva) de acuerdo a la ISO/IEC 80079-20-1:2017.

Composición química
Be: *1,8 % - 2,3 %*
Ni+Co: *> 0,2 %*
Co+Ni+Fe: *< 1,2 %*
Resto: *Cu+Be+Co+Ni+Fe≥99,0 %*
Dureza
311- 408 Brinell
Resistencia a la tracción
1250 N/mm2

CERTIFICATE
OF COMPLIANCE

We hereby certify that, EGA Master **Aluminum-Bronze** Tools fulfill the demand in the European ATEX Directive 1999/92/EC for work in Zones 1&2 (Gas, Mists or Vapors) and/or 21&22 (Dusts). EGA Master Aluminum-Bronze Tools are totally safe against explosion risk working in environments of all gases classified as Risk Groups I, IIA, IIB and IIC (except acetylene) according to ISO/IEC 80079-20-1:2017.

Chemical composition percentage
Al: *10% - 12%*
Ni: *4% - 6%*
Fe+Mn: *5,8% - 7%*
Cu+Al+Ni+Fe+Mn ≥99,0 % ***Balance***
Hardness
241-311 Brinell
Tensile Strength-Break
800 N/mm2

We hereby certify that, EGA Master **Copper-Beryllium** Tools fulfill the demand in the European ATEX Directive 1999/92/EC for work in Zones 1&2 (Gas, Mists or Vapors) and/or 21&22 (Dusts). EGA Master Aluminum-Bronze Tools are totally safe against explosion risk working in environments of all gases classified as Risk Groups I, IIA, IIB and IIC (except acetylene) according to ISO/IEC 80079-20-1:2017.

Chemical composition percentage
Be: *1,8 % - 2,3 %*
Ni+Co: *> 0,2 %*
Co+Ni+Fe: *< 1,2 %*
Cu+Be+Co+Ni+Fe≥99,0 % ***Balance***
Hardness
311- 408 Brinell
Tensile Strength-Break
1250 N/mm2

EGA MASTER S.L.
Aner Garmendia
CEO at EGA Master

EGA Master ART IN INNOVATION

CERTIFICADO DE SEGURIDAD ANTIEXPLOSIÓN
ANTIEXPLOSION SAFETY CERTIFICATE
CERTIFICAT DE SÉCURITÉ ANTI-EXPLOSION

EGA Master certifica la seguridad de sus materiales por el prestigioso Instituto Federal Alemán para la Investigación y Examen de Materiales BAM, miembro notificado de la Unión Europea para la certificación según la Directiva 94/9/EG (ATEX).

EGA Master non-sparking tools are certified by the prestigious German Federal Institute for Materials Research and Testing (BAM), which is a European Union approved laboratory to certify according to 94/9/EG Directive (Atex).

La certification des matériaux d'**EGA Master** est réalisée par le prestigieux Institut Fédéral Allemand d'investigation et d'examen des matériaux BAM, membre notifié par l'Union Européenne pour la certification selon la directive 94/9/EG (ATEX).



BAM
Bundesanstalt für Materialforschung und -prüfung

12200 Berlin, Germany
T: +49 30 8104-0
F: +49 30 8104-7 2222

Certificate

N°: BAM/ZBF/008/10

3rd Revised version

Hereby it is confirmed by the BAM Certification Body, that the

Material aluminium-bronze

of the manufacturer

EGA Master S.L.
Zorrolleta 11, Jundiz Industrial Estate
01015 Vitoria
SPAIN

meets the requirements of **BAM Standard operating procedure „StAA-NEG-005": „StAA zur Schlagfunkenprüfung von Werkstoffpaarungen" dated 2019-07-02** and thus the non-sparking tools made of this material are appropriate for use in potentially explosive atmospheres of zone 1 and/or 21 according to Directive 1999/92/EC of all explosion groups (I, IIA, IIB & IIC) according to ISO/IEC 80079-20-1:2017, if the terms and conditions set out in the annex to this certificate are met.

The certification is based on certification contract
N° **BAM-ZBF-0004-2020-EGA dated 2020-08-26** and comprises according to standard ISO/IEC 17065:2012 a design-type test with the manufacturer's declaration of conformity (BAM Certification system I).
The products certified by BAM may be labelled with the certification mark "BAM design-type tested" / "BAM Baumustergeprüft".

The certificate is valid until 1 August 2025.

BAM test report **20017926; BZS-GS/024/20 dated 19 February 2021** as well as procedure no. **BZS-GS/024/20** form the basis of this certificate.

Bundesanstalt für Materialforschung und -prüfung (BAM)
Unter den Eichen 87,12205 Berlin, **2021-02-23**

Dr. J. Sunderkötter
BAM Certification Officer

Dr. R. Gratz
BAM Assessor

Distribution list: 1st Certificate holder — 2nd BAM Certification Body

This certificate may only be published in full wording and without any additions. A revocable written consent shall be obtained from BAM beforehand for any amended reproduction or the publication of any excerpts. The German version is legally binding, except an English version is issued exclusively. Place of jurisdiction is Berlin.

Sicherheit in Technik und Chemie

CERTIFICATE

Tras revisión de la normativa en 2017, realizada por la institución alemana BG RCI (en la que el laboratorio BAM también ha participado) se prohíbe el uso de herramientas en las áreas de las zonas 0 y 20. En línea con dicho cambio, y a partir de dicha fecha, el organismo de certificación BAM no otorga certificaciones para dichas zonas 0/20.

After a review of the regulations in 2017, carried out by the German institution BG RCI (in which the BAM laboratory has also participated), the use of tools in the areas of zones 0 and 20 is prohibited. In line with said change, and from After that date, the BAM certification body does not grant certifications for said zones 0/20.

Après une révision de la réglementation en 2017, réalisée par l'institution allemande BG RCI (à laquelle le laboratoire BAM a également participé), l'utilisation d'outils dans les zones 0 et 20 est interdite. A partir de cette date, l'organisme de certification BAM n'accorde plus de certifications pour lesdites zones 0/20.

CERTIFICADO DE SEGURIDAD ANTIEXPLOSIÓN
ANTIEXPLOSION SAFETY CERTIFICATE
CERTIFICAT DE SÉCURITÉ ANTI-EXPLOSION

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Certificate

N°: BAM/ZBF/007/10

3rd Revised version

BAM
Bundesanstalt für Materialforschung und -prüfung

12200 Berlin, Germany
T: +49 30 8104-0
F: +49 30 8104-7 2222

Hereby it is confirmed by the BAM Certification Body, that the

Material beryllium-copper

of the manufacturer

EGA Master S.L.
Zorrolleta 11, Jundiz Industrial Estate
01015 Vitoria
SPAIN

meets the requirements of **BAM Standard operating procedure „StAA-NEG-005": „StAA zur Schlagfunkenprüfung von Werkstoffpaarungen" dated 2019-07-02** and thus the non-sparking tools made of this material are appropriate for use in potentially explosive atmospheres of zone 1 and/or 21 according to Directive 1999/92/EC of all explosion groups (I, IIA, IIB & IIC) according to ISO/IEC 80079-20-1:2017, if the terms and conditions set out in the annex to this certificate are met.

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ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
70100	Cu-Be	70530	Al-Bron	160	250
70101		70531		180	320
70102		70532		200	370



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
70103	Cu-Be	70533	Al-Bron	160	170



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
70104	Cu-Be	70534	Al-Bron	160	160



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

TELEFONISTA / *LONG NOSE* / TELEPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

COD.	MAT.	COD.	MAT.	L (mm)	g
70105	Cu-Be	70535	Al-Bron	160	250
76130		76131		180	270
70106		70536		200	370



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TELEPHONE BECS COUDES / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

COD.	MAT.	COD.	MAT.	L (mm)	g
73148	Cu-Be	73149	Al-Bron	160	250
73146		73151		180	270
73647		73650		200	370



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
70107	Cu-Be	70537	Al-Bron	160	250
76474		76475		200	370



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
72094	Cu-Be	72095	Al-Bron	160	260
70108		70538		180	320



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ALICATE GASISTA / *GAS PIPE PLIERS* / PINCE GAZIER / *ROHRZANGE* / PINZA PER GASISTA / *ALICATE PARA TUBO DE GAZ* / КЛЕЩИ ГАЗОВЫЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
70109	Cu-Be	70539	Al-Bron	210	370



BMAT Modelo registrado / *Registered model* / Modèle enregistré

ALICATE TIPO FORD / *SLIP JOINT PLIER* / PINCE MOTORISTE / *MECHANIKERZANGE* / PINZE PER GASISTI / *ALICATE MOTORISTA* / СКОЛЬЗЯЩИЕ КЛЕЩИ

COD.	MAT.	COD.	MAT.	L (inch)	g
70114	Cu-Be	70544	Al-Bron	8	250



BMAT Modelo registrado / *Registered model* / Modèle enregistré

PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ

COD.	MAT.	COD.	MAT.	L (mm)	g
73903	Cu-Be	73904	Al-Bron	170	220



BMAT Modelo registrado / *Registered model* / Modèle enregistré

ALICATES CIRCLIPS / *CIRCLIPS PLIERS* / PINCES POUR CIRCLIPS / *ZANGEN FÜR SICHERUNGSRINGE* / PINZE PER ANELLI / *ALICATES FREIOS* / СЪЕМНИК КОЛЕЦ

INTERIOR RECTO / *INTERNAL STRAIGHT* / INTERIEUR DROIT / *INNENSICHERUNGSRINGE, GERADE* / DIRITTO PER INTERNI / *INTERIOR DIREITO* / ВНУТРЕННИЕ ПРЯМЫЕ

COD.	MAT.	COD.	MAT.	O.D. mm	L (mm)	g
36434	Cu-Be	36435	Al-Bron	3-10	140	110
76741		76740		8-25		
72511		72510		10-25		
72513		72512		19-60	200	250
72515		72514		40-100	250	425



INTERIOR CURVO / *INTERNAL BENT* / INTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATTO PER INTERNI / *INTERIOR CURVO* / ВНУТРЕННИЕ ИЗОГНУТЫЕ

COD.	MAT.	COD.	MAT.	O.D. mm	L (mm)	g
79969	Cu-Be	79968	Al-Bron	85-200	330	600



EXTERIOR RECTO / *EXTERNAL STRAIGHT* / EXTERIEUR DROIT / *AUSSENSICHERUNGSRINGE, GERADE* / DIRITTA PER ESTERNI / *EXTERIOR DIREITO* / НАРУЖНЫЕ ПРЯМЫЕ

COD.	MAT.	COD.	MAT.	O.D. mm	L (mm)	g
76746	Cu-Be	76745	Al-Bron	3-10	140	120
36436		36437		8-25		
72517		72516		10-25		
72519		72518		19-60	200	265
72521		72520		40-100	250	465



EXTERIOR CURVO / *EXTERNAL BENT* / EXTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATO PER ESTERNI / *EXTERIOR CURVO* / НАРУЖНИЕ ИЗОГНУТЫЕ

COD.	MAT.	COD.	MAT.	O.D. mm	L (mm)	g
79967	Cu-Be	79966	Al-Bron	85-200	330	600



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ALICATES MINIS / *MINI PLIERS* / PINCES MINI / *MINI ZANGEN* / PINZE MINI / *ALICATES MINI* / ПЛОСКОГУБЦЫ МИНИ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
79100	Cu-Be	79101	Al-Bron	125	100



BOCA PLANA / *FLAT NOSE* / BECS PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
79128	Cu-Be	79129	Al-Bron	125	100



BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
79145	Cu-Be	79146	Al-Bron	130	100



TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

COD.	MAT.	COD.	MAT.	L (mm)	g
79220	Cu-Be	79221	Al-Bron	125	100



TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

COD.	MAT.	COD.	MAT.	L (mm)	g
79222	Cu-Be	79223	Al-Bron	125	100



BOCA AGUJA / *LONG NEEDLE NOSE* / LONG BECS DEMI-RONDS / *FLACHZANGE MIT LANGEM MAUL* / BECCHI TONDI AFFUSOLATI / *PONTAS AGULHA* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
76128	Cu-Be	76129	Al-Bron	150	100



CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
79228	Cu-Be	79229	Al-Bron	115	100



CORTE DIAGONAL TRIANGULAR / *DIAGONAL CUTTING TRIANGULAR* / COUPANTES DIAGONALE TRIANGULAIRE / *SEITENSCHNEIDER* / TAGLIO LATERALE TRIANGOLARE / *CORTE DIAGONAL TRIANGULAR* / БОКОРЕЗЫ ТРЕУГОЛЬНЫЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
79230	Cu-Be	79231	Al-Bron	115	100



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ

COD.	MAT.	COD.	MAT.	L (mm)	g
79232	Cu-Be	79233	Al-Bron	110	100



TENAZAS / *PINCERS* / TENAILLES / *ZANGE* / TENAGLIE / *ALICATES* / КЛЕЩИ

PICO DE LORO / *GROOVE JOINT* / MULTIPRISE À CRÉMAILLÈRE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / С ЖЕЛОБКОВЫМ МЕХАНИЗМОМ

COD.	MAT.	COD.	MAT.	L (inch)	g
70110	Cu-Be	70540	Al-Bron	10	340
70111		70541		12	700



DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / ШАРНИРНЫЕ

COD.	MAT.	COD.	MAT.	L (inch)	g
73897	Cu-Be	73898	Al-Bron	10	380



COD.	MAT.	COD.	MAT.	L (inch)	g
72300	Cu-Be	72302	Al-Bron	10	340

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TENAZA GRIP BOCA CURVA / *CURVED JAW GRIP PLIER* / PINCE ÉTAU BEC COURBÉ / *GRIPZANGE* / PINZA GRIP A BECCHI PIEGATI / *ALICATE DE PRESSÃO BOCA CURVA* / СТРУБЦИНА

COD.	MAT.	COD.	MAT.	L (inch)	g
79463	Cu-Be	79464	Al-Bron	9	480



TENAZA DE CARPINTERO / *CARPENTER PINCER* / PINCE DE MENUISIER / *KANTENZANGE* / TENAGLIE PER CARPENTIERI / *TURQUES DE CARPINTERO* / КЛЕЩИ ДЛЯ ПЛИТКИ

COD.	MAT.	COD.	MAT.	L (inch)	g
70112	Cu-Be	70542	Al-Bron	7	310
70113		70543		8	380



ALICATE PARA TERMINALES / *CRIMPING PLIER* / PINCE À SERTIR / *CRIMPZANGE* / PINZE PER TERMINALI / *ALICATE PARA TERMINAIS* / ОБЖИМНЫЕ КЛЕЩИ

COD.	MAT.	COD.	MAT.	L (inch)	g
73900	Cu-Be	73901	Al-Bron	8	220



LLAVES AJUSTABLES / *ADJUSTABLE WRENCHES* / CLÉS À MOLETTE / *ROLLGABELSCHLÜSSEL* / CHIAVI REGOLABILI A RULLINO / *CHAVES AJUSTAVELS* / РАЗВОДНЫЕ КЛЮЧИ

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	L (inch)	g
72685	Cu-Be	73992	Al-Bron	13	100	4	55
71448		71451		19	150	6	160
70117		71452		24	200	8	330
70118		71453		28	250	10	550
70119		71454		34	300	12	850
70120		71455		43	375	15	1250
71449		71456		52	450	18	2200
71450		71457		62	600	24	3100
75315		75316		75	900	36	7800



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COMFORT

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	L (inch)	g
75099	Cu-Be	75098	Al-Bron	19	150	6	180
75112		75111		24	200	8	350
75114		75113		28	250	10	570



LLAVE AJUSTABLE LIGERA / *LIGHT ADJUSTABLE WRENCH* / CLÉ À MOLETTE LÉGÈRE / *VERSTELLBARE ROLLGABEL LEICHT* / CHIAVE A RULLINO LEGGERA / *CHAVE AJUSTÁVEL LIGEIRA* / КЛЮЧ РАЗВОДНОЙ ОБЛЕГЧЕННЫЙ

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	L (inch)	g
35746	Cu-Be	35747	Al-Bron	20	150	6	140
35748		35749		25	200	8	270
35750		35751		30	250	10	460
35752		35753		35	300	12	710
35754		35755		48	375	15	1500



EXTRACTORES / *GEAR PULLERS* / EXTRACTEURS / *ABZIEHERS* / ESTRATTORI / *EXTRACTORES* / СЪЕМНИКИ

EXTRACTOR 3 GARRAS ARTICULADAS REVERSIBLES / *3 JAW REVERSIBLE GEAR PULLER* / EXTRACTEUR 3 BRAS ARTICULES RÉVERSIBLES / *AUSSENABZIEHER 3 KLAUEN* / ESTRATTORE A 3 BRACCI REVERSIBILI / *EXTRACTOR DE 3 GARRAS ARTICULADO REVERSIVEL* / СЪЕМНИК С 3-МЯ ЛАПАМИ РЕВЕРСИВНЫЙ

COD.	MAT.	COD.	MAT.	L min.-max.	Kg
72470	Cu-Be	72471	Al-Bron	50-100	4,5
72472		72473		60-150	5,2
72474		72475		70-200	7,1
72476		72477		80-350	13



PINZAS / *TWEEZERS* / BRUCELLES / *GREIFPINZETTEN* / PINZETTE DI PRECISIONES / *PINÇAS* / ПИНЦЕТЫ

BOCA FINA / *NEAT TIPS* / BECS FINS / *FEINE BACKEN* / A PUNTA FINE / *PONTAS FINAS* / ПИНЦЕТ ЗАОСТРЕННЫЙ

COD.	MAT.	COD.	MAT.	L (mm)	g
70115	Cu-Be	70547	Al-Bron	150	40



BOCA PLANA / *FLAT NOSE* / PLATES / *FLACH ZANGE* / PUNTA PIATTA / *PONTAS PLANAS* / УТКОНОСЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
70116	Cu-Be	70548	Al-Bron	100	30



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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LLAVES / *WRENCHES* / CLÉS / *SCHLÜSSEL* / CHIAVI / *CHAVES* / КЛЮЧИ

LLAVES FIJAS / *OPEN-END WRENCHES* / CLÉS À FOURCHE / *GABELSCHLÜSSEL* / CHIAVI FISSE / *CHAVES DUAS BOCAS* / РОЖКОВЫЕ КЛЮЧИ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75240	Cu-Be	75241	Al-Bron	4-5	90	30
75242		75243		5-5,5		
70135		70549		6-7	95	40
70136		70550		6-8		
76871		76872		7-8		50
70137		70551		7-9		55
70138		70552		8-9	100	60
70139		70553		8-10		65
70140		70554		9-10	105	70
70141		70555		9-11	110	75
70142		70556		10-11	115	85
70143		70557		10-12	120	95
76873		76874		10-13		
70144		70558		10-14	125	115
75244		75245		11-13		120
70145		70559		11-14		125
70146		70560		12-13		135
70147		70561		12-14	130	145
76875		76876		13-14		
73648		73649		13-15	135	165
36550		36551		13-17		
70148		70562		14-15	145	
76877		76878		14-16	150	170
70149		70563		14-17		180
70150		70564		16-17	155	200
70151		70565		16-18	165	210
70152		70566		17-19	170	230
70153		70567		17-22	175	270
70154		70568		18-19	180	280
76879		76880		18-20		
74625		74626		19-20		
70155		70569		19-22	185	330
70156		70570		19-24		360
70157		70571		20-22	195	370
74627		74628		21-22		390
70158		70572		21-23	200	410
75246		75247		22-23		
70159		70573		22-24	210	440
70160		70574		22-27		470
76090		76091		23-25	220	500
76881		76882		23-26		
75248		75249		24-25		
70161		70575		24-26		
70162		70576		24-27	230	550
72923		72922		24-30		
70163		70577		25-28	240	
76092		76093		26-27		
74831		74832		26-29		
76094		76095		27-28	250	650

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
70164	Cu-Be	70578	Al-Bron	27-29	250	650
75250		71821		27-30		
75251		75252		28-30		
72925		72924		27-32		700
75253		75254		30-31	260	750
70165		70579		30-32		
73007		73006		30-34		900
72927		72926		30-36		
75255		75256		32-34		1000
75257		75258		32-35		1100
70166		70580		32-36		1150
75259		75260		33-35		1300
70167		70581		34-36	300	1500
75261		75262		35-36		
75263		75264		36-38	320	
73337		73336		36-41	330	
73297		36443		38-40	340	1600
75265		75266		38-42		
70168		70582		41-46	350	1800
72921		72919		46-50	370	2100
73390		73389		50-52	380	2500
76096		76097		50-55	385	
76885		76886		50-60	400	3000
70169		70583		50-62		3300
70588		70584		55-60	410	
70589		70585		60-65	430	4550
70590		70586		65-70	460	7600
70591		70587		70-80	500	9200

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
36218	Cu-Be	36219	Al-Bron	3/16-1/4	90	22
70592		70637		7/32-1/4		35
70593		70638		1/4-9/32		
70594		70639		1/4-5/16		
70595		70640		5/16-3/8	100	45
70596		70641		3/8-7/16	110	60
75275		75276		3/8-1/2	115	65
70597		70642		7/16-1/2	120	85
70598		70643		1/2-9/16	130	90
70599		70644		1/2-5/8	150	100
70600		70645		1/2-11/16		110
70601		70646		9/16-5/8		120
70602		70647		9/16-3/4		130
70603		70648		19/32-11/16		140
70604		70649		19/32-25/32	165	150
74835		74836		5/8-11/16		
70605		70650		5/8-3/4		160
75277		75278		11/16-3/4	170	165
70606		70651		11/16-25/32		180
70607		70652		11/16-7/8	180	200
76887		76888		3/4-25/32		220
70608		70653		3/4-13/16		
70609		70654		3/4-7/8	185	230
70610		70655		25/32-13/16		
70611		70656		25/32-7/8	190	
70612		70657		13/16-7/8		240
70613		70658		7/8-15/16	210	300
70614		70659		7/8-31/32		320
70615		70660		7/8-1	220	340
70616		70661		15/16-1		360
70617		70662		7/8-1.1/16	230	380
70618		70663		15/16-1.1/16		410
74837		74838		1-1.1/16		
70619		70664		1-1.1/8		430
76889		76890		1-1.5/16		450
70620		70665		1.1/16-1.1/8		
70621		70666		1.1/16-1.1/4	250	500
74839		74840		1.1/8-1.3/16		
70622		70667		1.1/8-1.5/16	260	550
75281		75282		1.3/16-1.1/4		
70623		70668		1.1/16-1.7/16	270	600
70624		70669		1.1/8-1.1/2		700
75283		75284		1.1/4-1.5/16		
70625		70670		1.1/4-1.3/8		
70626		70671		1.1/4-1.7/16	290	850
75285		75286		1.5/16-1.3/8		900
70627		70672		1.5/16-1.1/2	320	
75287		75288		1.3/8-1.7/16		1000
70628		70673		1.3/8-1.1/2		1050
70629		70674		1.7/16-1.5/8	330	1250
75289		75290		1.1/2-1.9/16	340	1300
70630		70675		1.1/2-1.11/16		1500

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70631	Cu-Be	70676	Al-Bron	1.5/8-1.13/16	350	1800
70632		70677		1.3/4-1.5/8		2100
70633		70678		1.11/16-1.7/8		2500
70634		70679		1.13/16-2	370	2800
75291		75292		2-2.3/16	380	
75293		75294		2-2.3/8	400	
70635		70680		2.1/16-2.5/16	410	3100
75295		75296		2.3/16-2.3/8		
70636		70681		2.1/4-2.3/8		3300
75297		75298		2.3/8-2.9/16	430	3700

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *GABEL RINGSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАННЫЕ КЛЮЧИ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
36090	Cu-Be	36091	Al-Bron	5,5	90	35
70170		70682		6	115	
70171		70683		7	120	40
70172		70684		8	125	45
70173		70685		9	130	60
70174		70686		10	135	65
70175		70687		11	140	70
70176		70688		12	145	85
70177		70689		13	155	95
70178		70690		14	165	100
70179		70691		15	175	110
70180		70692		16	185	150
70181		70693		17	195	160
70182		70694		18	200	190
70183		70695		19	210	210
70184		70696		20	220	240
70185		70697		21	230	260
70186		70698		22	240	280
70187		70699		23	250	350
70188		70700		24	260	380
70189		70701		25	270	400
70190		70702		26		420
70191		70703		27	280	480
70192		70704		28	290	500
70193		70705		29	300	650
70194		70706		30	310	700
70195		70707		31	320	750
70196		70708		32	330	
72700		71786		33		800
72701		71787		34	340	850
70197		70709		35		950
70198		70710		36		
79447		79449		37	350	
70199		70711		38		1100
79473		79474		39	360	1000
70200		70712		40	350	1100
70201		70713		41	370	
70202		70714		42		1200
79481		79482		43	405	1400
72654		72649		44		1300
76461		76462		45		1400
70203		70715		46	400	1550
74999		75190		47	420	1580
72678		74055		48		1700
75279		75364		49		1750
70204		70716		50		
73618		73619		52	430	2100
70205		70717		55		2200
73617		73620		58	455	2400
70206		70718		60	460	2600
70207		70719		65	470	3000
70208		70720		70	480	3550

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
70209	Cu-Be	70721	Al-Bron	75	490	4100
70210		70722		80	500	4550
70211		70723		85		5350
70212		70724		90		5800

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72632	Cu-Be	72624	Al-Bron	7/32	90	25
70725		70751		1/4	115	
75305		75306		9/32	120	30
70726		70752		5/16	125	
70727		70753		11/32	130	35
70728		70754		3/8		40
76855		76856		13/32	135	55
70729		70755		7/16		
70730		70756		1/2	140	70
70731		70757		9/16	165	80
75307		75308		19/32		95
70732		70758		5/8	175	130
70733		70759		11/16	195	140
70734		70760		3/4	210	200
76857		76858		25/32	230	
70735		70761		13/16		
70736		70762		7/8		280
70737		70763		15/16	260	330
76859		76860		31/32		360
70738		70764		1		
70739		70765		1.1/16	280	460
70740		70766		1.1/8	300	500
72937		72936		1.3/16	320	550
70741		70767		1.1/4		700
70742		70768		1.5/16	350	1000
70743		70769		1.3/8		
70744		70770		1.7/16	360	1150
70745		70771		1.1/2		1200
75309		75310		1.9/16		
70746		70772		1.5/8		1350
70747		70773		1.11/16	370	1500
75311		75312		1.3/4		
70748		70774		1.13/16	400	
70749		70775		1.7/8		1600
78975		78976		1.15/16	420	1700
70750		70776		2		
77132		77133		2.1/16	435	1800
77156		77157		2.1/8		
76861		76862		2.3/16	445	2100
79028		79029		2.1/4	455	
76863		76864		2.3/8	460	2400
76865		76866		2.9/16	470	2800
76867		76868		2.5/8		
76869		76870		2.3/4	480	3300
76463		76464		2.15/16	510	4000
72707		36442		3		4100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE COMBINADA DE CARRACA / *COMBINATION RATCHET WRENCH* / CLÉ MIXTA À CLIQUET / *RATSCHET-RINGGABELSCHLÜSSEL* / CHIAVE COMBINATA A CRICCO / *CHAVE DE BOCA E LUNETA COM ROQUETE* / КЛЮЧ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
72683	Cu-Be	74102	Al-Bron	8	155	150
72641		74121		10	165	180
73761		74136		12	175	200
73764		74161		13	190	240
36304		36328		14		245
36315		36329		15		
73771		74188		17	220	250
36316		36332		18		
73867		74191		19	240	310
36317		36333		22	270	420
36318		36334		24	290	570
36319		36335		27	315	750

EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVES ACODADAS / *DOUBLE OFFSET RING WRENCHES* / CLÉS POLYGONALES CONTRE-COUDÉES / *RINGSCHLÜSSEL* / CHIAVI POLIGONALI / *CHAVES LUNETA* / ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧК

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75320	Cu-Be	75321	Al-Bron	5,5-7	120	20
70213		70777		6-7		25
75322		75323		6-8		35
70214		70778		7-9	130	50
70215		70779		8-9		
70216		70780		8-10		55
70217		70781		9-10		60
70218		70782		9-11		70
70219		70783		10-11	160	80
75324		75325		10-12		
75326		75327		10-13		85
70220		70784		10-14		100
75318		75319		11-12		
75328		75329		11-13		110
70221		70785		11-14	180	120
70222		70786		12-13		
70223		70787		12-14		150
70224		70788		13-14		
70225		70789		13-15	190	200
36552		36553		13-17		
70226		70790		14-15	220	
72133		72137		14-16		
72134		72138		14-17		
70227		70791		16-17		210
70228		70792		16-18		220
70229		70793		17-19		
75330		75331		17-21	250	260
70230		70794		17-22		290
70231		70795		18-19		
75332		75333		19-21	280	300
70232		70796		19-22		310
70233		70797		19-24		350
70234		70798		20-22		370
70235		70799		21-23	310	400
75334		75335		21-26		420
75336		75337		22-23		
70236		70800		22-24		450
70237		70801		22-27	340	470
75338		75339		23-26		
75340		75341		24-25		480
72822		72823		24-26		500
73339		73338		24-27		
70238		70802		24-30		550
70239		70803		25-28		600
74833		74834		26-29		
75469		75470		26-32	250	500
70240		70804		27-29	340	650
70241		70805		27-30		700
70242		70806		27-32	360	750
75342		75343		29-32		

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
70243	Cu-Be	70807	Al-Bron	30-32	380	800
76891		76892		30-34		850
72956		72912		31-33		
70244		70808		30-36	420	1050
75344		75345		32-34		
72957		72913		32-35		1100
72135		72139		32-36		1150
72136		72140		34-36		
70245		70809		36-38	455	1550
75346		75347		35-41		
75348		75349		38-40		1600
70246		70810		36-41		
75350		75351		38-42		1700
70247		70811		41-46	470	2050
72251		72250		46-50	490	2200
73392		73391		50-52	510	2400
75352		75353		50-55		
75354		75355		50-60	535	2450
72253		72252		55-60		2500
75356		75357		60-70	540	3900
72255		72254		65-70		4000
76893		76894		70-75	550	4500
72257		72256		75-80	700	5000

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70812	Cu-Be	70841	Al-Bron	7/32-1/4	120	30
74841		74842		1/4-5/16		
70813		70842		5/16-3/8	130	45
70814		70843		3/8-7/16		60
70815		70844		7/16-1/2	160	90
70816		70845		1/2-9/16	180	115
70817		70846		9/16-5/8	220	190
74843		74844		5/8-11/16		200
70818		70847		5/8-3/4		230
75365		75366		11/16-3/4		
70819		70848		11/16-25/32		240
70820		70849		3/4-13/16	280	290
70821		70850		13/16-7/8		350
70822		70851		7/8-15/16	310	400
70823		70852		7/8-31/32		420
70824		70853		7/8-1		440
70825		70854		7/8-1.1/16		480
70826		70855		15/16-1		490
70827		70856		15/16-1.1/16	340	500
70828		70857		1-1.1/16		550
70829		70858		1-1.1/8		
70830		70859		1.1/16-1.1/8		
70831		70860		1.1/16-1.1/4	360	600
74845		74846		1.1/8-1.3/16		700
70832		70861		1.1/8-1.5/16	380	
76895		76896		1.1/8-1.1/2		800
75367		75368		1.3/16-1.1/4		
70833		70862		1.1/4-1.5/16		1000
70834		70863		1.1/4-1.7/16	420	1100
75369		75370		1.5/16-1.3/8		
75371		75372		1.3/8-1.7/16		1350
70835		70864		1.7/16-1.5/8	455	1600
75373		75374		1.1/2-1.9/16		1700
70836		70865		1.5/8-1.13/16	470	2050
70837		70866		1.13/16-2	490	2550
75375		75376		2-2.3/16	510	2800
70838		70867		2.1/16-2.3/16		
70839		70868		2-2.3/8	535	3000
75377		75378		2.3/16-2.3/8		3100
70840		70869		2.1/4-2.3/8		3500
75379		75380		2.3/8-2.3/4	540	3900
76755		76756		2.3/8-2.7/16		4000
75381		75382		2.9/16-2.3/4		4200
75383		75384		2.3/4-2.15/16	550	4300

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

KIT DEMO 6 LLAVES / *6 SPANNER DEMO KIT* / KIT DÉMO. 6 CLÉS / *DEMOKIT 6 SCHLÜSSEL* / KIT 6 CHIAVI DI DIMOSTRAZIONE / *KIT DEMO 6 CHAVES* / ДЕМО НАБОР ИЗ 6 КЛЮЧЕЙ

COD.	g
69342	300



COD. PCS.		mm
61727	Aerospacial / *Aerospatial*	8
38092	INOX	
73062	1000V	
70172	Cu-Be	
70684	Al-Bron	
71669	Titanio / *Titanium*	

SET

LLAVES FIJAS / *OPEN-END WRENCHES* / CLÉS À FOURCHE / *GABELSCHLÜSSEL* / CHIAVI FISSE / *CHAVES DUAS BOCAS* / РОЖКОВЫЕ КЛЮЧИ

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76400	Cu-Be	6	90052	70135, 70138, 70142, 70146, 70148, 70150	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76402		8	90053	70135, 70138, 70142, 70146, 70148, 70150, 70154, 70157	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76404		10	90054	70135, 70138, 70142, 70146, 70148, 70150, 70154, 70157, 70158, 70161	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76406		12	90055	70135, 70138, 70142, 70146, 70148, 70150, 70154, 70157, 70158, 70161, 70163, 70165	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32
76408				70135, 70138, 70142, 70146, 70148, 70150, 70154, 70157, 70158, 70162, 70163, 70165	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32



MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76401	Al-Bron	6	90052	70549, 70552, 70556, 70560, 70562, 70564	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76403		8	90053	70549, 70552, 70556, 70560, 70562, 70564, 70568, 70571	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76405		10	90054	70549, 70552, 70556, 70560, 70562, 70564, 70568, 70571, 70572, 70575	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76407		12	90055	70549, 70552, 70556, 70560, 70562, 70564, 70568, 70571, 70572, 70575, 70577, 70579	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32
76409				70549, 70552, 70556, 70560, 70562, 70564, 70568, 70571, 70572, 70576, 70577, 70579	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32



INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76410	Cu-Be	6	90052	70596, 70598, 70601, 70603, 74835, 70612	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 13/16-7/8
76412		8	90053	70596, 70598, 70601, 70603, 74835, 70612, 70609, 70616	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1
76414		10	90054	70594, 70595, 70596, 70598, 70601, 70612, 70616, 70619, 70621, 74835	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
76416		12	90055	70594, 70595, 70596, 70598, 70601, 70609, 70612, 70616, 70619, 70620, 70621, 74835	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4, 1.1/16-1.1/4



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76411	Al-Bron	6	90052	70641, 70643, 70646, 70648, 70657, 74836	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 13/16-7/8
76413		8	90053	70641, 70643, 70646, 70648, 70654, 70657, 70661, 74836	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1
76415		10	90054	70639, 70640, 70641, 70643, 70646, 70657, 70661, 70664, 70666, 74836	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
76417		12	90055	70639, 70640, 70641, 70643, 70646, 70654, 70657, 70661, 70664, 70665, 70666, 74836	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 1.1/16-1.1/4



LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *RINGGABELSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАНЫЕ КЛЮЧИ

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76418	Cu-Be	6	90052	70172, 70174, 70176, 70178, 70181, 70183	8, 10, 12, 14, 17, 19
76420		8	90081	70172, 70174, 70176, 70177, 70178, 70181, 70183, 70186,	8, 10, 12, 13, 14, 17, 19, 22
76422		10	90082	70172, 70173, 70174, 70175, 70176, 70177, 70178, 70181, 70183, 70186	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
76424		12	90083	70170, 70171, 70172, 70173, 70174, 70175, 70176, 70177, 70178, 70179, 70180, 70181	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
76426		14	90063	70174, 70175, 70176, 70178, 70180, 70181, 70183, 70184, 70186, 70188, 70189, 70191, 70192, 70196	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
76428		17	90064	70170, 70171, 70172, 70173, 70174, 70175, 70176, 70177, 70178, 70179, 70180, 70181, 70182, 70183, 70184, 70185, 70186	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
76430				70171, 70172, 70173, 70174, 70175, 70176,70177, 70178, 70179, 70180, 70181, 70182, 70183, 70184, 70185, 70186, 70188	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
76432		26	90059, 90064	70170, 70171, 70172, 70173, 70174, 70175, 70176, 70177, 70178, 70179, 70180, 70181, 70182, 70183, 70184, 70185, 70186, 70187, 70188, 70189, 70190, 70191, 70192, 70193, 70194, 70196	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32



MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76419	Al-Bron	6	90052	70684, 70686, 70688, 70690, 70693, 70695	8, 10, 12, 14, 17, 19
76421		8	90081	70684, 70686, 70688, 70689, 70690, 70693, 70695, 70698	8, 10, 12, 13, 14, 17, 19, 22
76423		10	90082	70684, 70685, 70686, 70687, 70688, 70689, 70690, 70693, 70695, 70698	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
76425		12	90083	70682, 70683, 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70691, 70692, 70693	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
76427		14	90063	70686, 70687, 70688, 70690, 70692, 70693, 70695, 70696, 70698, 70700, 70701, 70703, 70704, 70708	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
76429		17	90064	70682, 70683, 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70691, 70692, 70693, 70694, 70695, 70696, 70697, 70698	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
76431				70683, 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70691, 70692, 70693, 70694, 70695, 70696, 70697, 70698, 70700	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
76433		26	90059, 90064	70682, 70683, 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70691, 70692, 70693, 70694, 70695, 70696, 70697, 70698, 70699, 70700, 70701, 70702, 70703, 70704, 70705, 70706, 70708	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32



INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76434	Cu-Be	6	90080	70728, 70729, 70730, 70731, 70732, 70734	3/8, 7/16, 1/2, 9/16, 5/8, 3/4
76436		8	90081	70726, 70728, 70729, 70730, 70731, 70732, 70733, 70734	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
76438		10	90082	70728, 70729, 70730, 70731, 70732, 70733, 70734, 70735, 70736, 70738	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
76440		12	90083	70726, 70728, 70729, 70730, 70731, 70732, 70733, 70734, 70735, 70736, 70737, 70738	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
76442		14	90063	70728, 70729, 70730, 70731, 70732, 70733, 70734, 70735, 70736, 70737, 70738, 70739, 70740, 70741	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4



Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

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INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76435	Al-Bron	6	90080	70754, 70755, 70756, 70757, 70758, 70760	3/8, 7/16, 1/2, 9/16, 5/8, 3/4
76437		8	90081	70752, 70754, 70755, 70756, 70757, 70758, 70759, 70760	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
76439		10	90082	70754, 70755, 70756, 70757, 70758, 70759, 70760, 70761, 70762, 70764	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
76441		12	90083	70752, 70754, 70755, 70756, 70757, 70758, 70759, 70760, 70761, 70762, 70763, 70764	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
76443		14	90063	70754, 70755, 70756, 70757, 70758, 70759, 70760, 70761, 70762, 70763, 70764, 70765, 70766, 70767	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4



LLAVES ACODADAS / *DOUBLE OFFSET RING WRENCHES* / CLÉS POLYGONALES CONTRE-COUDÉES / *RINGSCHLÜSSEL* / CHIAVI POLIGONALI / *CHAVES LUNETA* / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76444	Cu-Be	6	90056	70213, 70215, 70219, 70222, 70226, 70227	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76446		8	90057	70213, 70215, 70219, 70222, 70226, 70227, 70231, 70234	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76448		10	90058	70213, 70215, 70219, 70222, 70226, 70227, 70231, 70234, 70235, 72822	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76450		12	90059	70213, 70215, 70219, 70222, 70226, 70227, 70231, 70234, 70235, 70239, 70243, 72822	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32



MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76445	Al-Bron	6	90056	70777, 70779, 70783, 70786, 70790, 70791	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76447		8	90057	70777, 70779, 70783, 70786, 70790, 70791, 70795, 70798	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76449		10	90058	70777, 70779, 70783, 70786, 70790, 70791, 70795, 70798, 70799, 72823	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76451		12	90059	70777, 70779, 70783, 70786, 70790, 70791, 70795, 70798, 70799, 72823, 70803, 70807	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32



INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76452	Cu-Be	6	90056	70814, 70816, 70817, 70818, 70821, 74843	3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-3/4, 5/8-11/16, 13/16-7/8
76454		8	90057	70814, 70816, 70817, 70818, 70820, 70821,70826, 74843	3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-3/4, 5/8-11/16, 3/4-13/16, 13/16-7/8, 15/16-1
76456		10	90058	70813, 70814, 70816, 70817, 70821, 70826, 70829, 70831, 74841, 74843	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
76458		12	90059	70813, 70814, 70816, 70817, 70820, 70821, 70826, 70829, 70830, 70831, 74841, 74843	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-13/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 1.1/16-1.1/4



INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76453	Al-Bron	6	90056	70843, 70845, 70846, 70847, 70850, 74844	3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-3/4, 5/8-11/16, 13/16-7/8
76455		8	90057	70843, 70845, 70846, 70847, 70849, 70850, 70855, 74844	3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-3/4, 5/8-11/16, 3/4-13/16, 13/16-7/8, 15/16-1
76457		10	90058	70842, 70843, 70845, 70846, 70847, 70849, 70850, 70855, 70858, 70860, 74842, 74844	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
76459		12	90059	70842, 70843, 70845, 70846, 70849, 70850, 70855, 70858, 70859, 70860, 74842, 74844	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-13/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 1.1/16-1.1/4



Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

LLAVE ESTRELLA PLANA / *DOUBLE ENDED FLAT RING SPANNER* / POLYGONALE PLATE / *DOPPELRINGSCHLÜSSEL* / POLIGONALE DIRITTA / *LUNETA DIREITA* / ДВОЙНАЯ ИЗОГНУТАЯ ПЛОСКАЯ ЗВЕЗДОЧКА

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
76817	Cu-Be	76818	Al-Bron	6-7	95	30
73960		73961		7-9	115	32
76819		76820		8-10		
76821		76822		9-11	125	37
73962		73963		10-11	140	55
75418		75419		10-12		
73964		73965		12-14	145	70
77130		77131		13-15	155	85
73966		73967		14-17	165	100
73968		73969		16-18	170	115
76084		76085		17-19	185	130
73970		73971		18-19		
73972		73973		17-22	200	180
73974		73975		19-21		
75420		75421		19-22		
73976		73977		20-22		
36554		36555		21-22	220	240
73978		73979		21-23		
73980		73981		22-24		
73982		73983		24-27	255	320
73984		73985		25-28	265	360
77134		77135		26-28		
73986		73987		27-30	280	390
73988		73989		27-32	295	470
73990		73991		30-32		
77136		77137		30-36	330	600
74771		74772		32-36		
74773		74774		36-41	365	900

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
76781	Cu-Be	76782	Al-Bron	7/32-1/4	100	20
76783		76784		1/4-5/16		
76785		76786		5/16-3/8	115	40
76787		76788		3/8-7/16	140	55
76789		76790		7/16-9/16	160	95
77138		77139		1/2-19/32	180	110
76791		76792		1/2-5/8		
76793		76794		9/16-11/16		
76795		76796		5/8-25/32	225	250
76797		76798		11/16-3/4		
77140		77141		11/16-13/16		
76799		76800		3/4-7/8	250	350
76801		76802		13/16-15/16	280	430
76803		76804		7/8-15/16		
76805		76806		15/16-1.1/16	300	550
76807		76808		1-1.1/8	310	650
76809		76810		1.1/16-1.3/16		
77142		77143		1.1/8-1.5/16	340	750
76811		76812		1.3/16-1.1/4		
77144		77145		1.1/4-1.3/8	360	1000
76813		76814		1.1/4-1.7/16		
77146		77147		1.5/16-1.7/16		
76815		76816		1.7/16-1.5/8		
77148		77149		1.1/2-1.5/8	380	1350

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ID 0910098046
to the Management Quality

LLAVE DE CARRACA / *RATCHET SPANNER* / CLÉ À CLIQUET / *KNARRENSCHLÜSSEL* / CHIAVE A CRICCO / *CHAVE RAPIDA ABERTA COM ROQUETE* / ТРЕЩЕТКА

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
70870	Cu-Be	70887	Al-Bron	9	150	160
70871		70888		11		180
70872		70889		13	155	190
70873		70890		14		
70874		70891		17	200	200
70875		70892		19		210
70876		70893		22	220	
70877		70894		24		220
70878		70895		27	240	
70879		70896		30	280	230
70880		70897		32		
70881		70898		36	290	260
70882		70899		41	295	
70883		70900		46	360	450
70884		70901		50		550
70885		70902		55	440	650
70886		70903		60		850

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
36296	Cu-Be	36297	Al-Bron	5/16	150	100
70904		70920		3/8		160
36298		36299		7/16		100
70905		70921		1/2	155	190
70906		70922		9/16		
70907		70923		11/16	200	200
70908		70924		3/4		210
70909		70925		7/8	220	
70910		70926		1		220
70911		70927		1.1/16	240	
70912		70928		1.3/16	280	230
70913		70929		1.1/4		
70914		70930		1.7/16	290	260
70915		70931		1.5/8		
70916		70932		1.13/16	360	450
70917		70933		2		550
70918		70934		2.3/16	440	650
70919		70935		2.3/8		850

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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LLAVE ESTRELLA ACODADA PARA ESTRUCTURA / *OFFSET RING STRUCTURAL WRENCH* / CLÉ POLYGONALE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE / *RINGSCHLÜSSEL GEKRÖPFT MIT DORN* / CHIAVE POLIGONALE PER PONTEGGI / *CHAVE LUNETA INCLINADA PARA ESTRUTURA* / КЛЮЧ НАКИДНОЙ ОДНОСТОРОННИЙ ВИЛКООБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75424	Cu-Be	75425	Al-Bron	10	200	90
75426		75427		11	210	100
75428		75429		12	220	110
75430		75431		13	230	120
75432		75433		14	240	140
75434		75435		15	250	170
75436		75437		16	260	190
75438		75439		17	270	200
77436		77437		18		230
75440		75441		19		330
77438		77439		20		
75442		75443		21		360
70248		71732		22		500
76523		76524		23	290	
70249		71733		24		
77440		77441		25	320	
77442		77443		26		
70250		71734		27		700
77444		77445		28	350	
77446		77447		29		
70251		71735		30		800
70252		71736		32	370	
77448		77449		33	390	
77450		77451		34		900
77452		77453		35		
70253		71737		36		1000
77454		77455		37	400	
70254		71738		38		
70255		71739		41	410	
77456		77457		42	420	1100
70256		71740		44		
70257		71741		46		
77458		77459		47	430	1300
70258		71742		50		
75444		75445		55	550	2100
75446		75447		60	600	2500

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77460	Cu-Be	77461	Al-Bron	11/16	310	190
77462		77463		3/4	330	240
77464		77465		25/32		
77466		77467		13/16	350	300
76839		76840		7/8		
76841		76842		15/16	370	380
77468		77469		31/32		
77470		77471		1	400	480
77472		77473		1.1/16		
77474		77475		1.1/8	430	650
77476		77477		1.3/16		
74608		74609		1.1/4		700
77478		77479		1.5/16		
77480		77481		1.3/8	460	900
74612		74613		1.7/16		
74610		74611		1.1/2	490	1150
77482		77483		1.9/16		
74614		74615		1.5/8		1200
77484		77485		1.11/16		
77486		77487		1.3/4	500	1500
74616		74617		1.13/16		
77488		77489		1.7/8	520	
74618		74619		2	550	1900

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE FIJA ACODADA PARA ESTRUCTURA / *OFFSET OPEN END STRUCTURAL WRENCH* / CLÉ À FOURCHE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE / *MAULSCHLÜSSEL GEKRÖPFT MIT DORN* / CHIAVE FISSA PER PONTEGGI / *CHAVE BOCA INCLINADA PARA ESTRUTURA* / КЛЮЧ ГАЕЧНЫЙ ОДНОСТОРОННИЙ ВИЛКООБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75450	Cu-Be	75451	Al-Bron	17	320	210
77490		77491		18	350	300
75452		75453		19		320
77492		77493		20		
77494		77495		21		410
75454		75455		22		430
77496		77497		23	370	450
75456		75457		24		480
77498		77499		25		
77500		77501		26		600
75458		75459		27		650
77502		77503		28		
77504		77505		29	400	750
75460		75461		30		800
73940		73941		32		850
77506		77507		33		
77508		77509		34	430	900
77510		77511		35		
73942		73943		36		1200
77512		77513		37		
77514		77515		38	470	
73944		73945		41		1900
77516		77517		42		
73946		73947		46	500	2800
77518		77519		47		
73948		73949		50	550	3700

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77520	Cu-Be	77521	Al-Bron	11/16	320	200
77522		77523		3/4	350	300
77524		77525		25/32		
77526		77527		13/16		410
77528		77529		7/8		
77530		77531		15/16	370	450
77532		77533		1.1/16		600
77534		77535		1.1/8	400	750
77536		77537		1.3/16		
77538		77539		1.1/4		
77540		77541		1.5/16		
77542		77543		1.3/8	430	900
77544		77545		1.7/16		
77546		77547		1.1/2	470	1200
77548		77549		1.9/16		
77550		77551		1.5/8		
77552		77553		1.11/16		
77554		77555		1.3/4	500	1500
77556		77557		1.13/16		
77558		77559		1.7/8		
77560		77561		2	530	1700

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE DE CARRACA PARA ESTRUCTURA / *RATCHET STRUCTURAL WRENCH* / CLÉ À CLIQUET POUR STRUCTURE / *STAHLBAUKNARRE* / CHIAVE A CRICCO PER COSTRUZIONE / *CHAVE DE ROQUETE PARA ESTRUTURA* / ГОЛОВКА С ТРЕЩЕТКОЙ



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
79034	Cu-Be	79035	Al-Bron	32	320	1000

LLAVE DE CARRACA PARA ESTRUCTURA METÁLICA / *PODGING WRENCH* / CLIQUET RÉVERSIBLE / *STAHLBAUKNARRE* / CHIAVE A CRICCO PER COSTRUZIONE / *CHAVE DE ROQUETE PARA ESTRUTURA METALICA* / ГОЛОВКА С ТРЕЩЕТКОЙ



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
36736	Cu-Be	36747	Al-Bron	10-13	210	350
36737		36748		12-14		
36738		36749		13-17	250	410
36739		36750		17-19	290	450
36740		36751		19-21	310	580
36072		36073		19-22		
36741		36752		19-24	330	620
36742		36753		22-24		
35792		35793		24-27	350	730
36743		36754		24-30	370	800
36744		36755		27-32		900
35794		35795		30-32		
36745		36756		32-36	390	1150
36746		36757		36-41		1500

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE PARA RACORES / *FLARE NUT* / CLÉ POLYGONALE À TUYAUTER / *OFFENER DOPPELRINGSCHÜSSEL* / CHIAVE PER RACCORDI / *LUNETAS ABERTAS COM BATENTE* / КЛЮЧ ПРОКАЧНОЙ РАЗРЕЗНОЙ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
77570	Cu-Be	77571	Al-Bron	6-7	95	15
77572		77573		8-10	115	30
77574		77575		9-11	125	35
77576		77577		10-12	140	50
77578		77579		12-14	145	65
77580		77581		14-15	155	85
77582		77583		14-17	165	95
77584		77585		16-18	170	120
77586		77587		17-19	185	125
77588		77589		19-22	200	170
77590		77591		22-24	220	220
77592		77593		24-27	255	300
77594		77595		24-30	270	360
77596		77597		25-28	265	
77598		77599		27-30	280	410
77600		77601		30-32	295	480
77602		77603		30-34	310	550
77604		77605		30-36	330	650
77606		77607		34-36	345	700
77608		77609		36-41	365	900

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72723	Cu-Be	72724	Al-Bron	3/8-7/16	135	50
72725		72726		7/16-1/2	150	100
72727		72728		1/2-9/16	155	150
72729		72730		9/16-5/8	170	250
72731		72732		5/8-3/4	195	300
72733		72734		3/4-7/8	220	350
72735		72736		7/8-1	235	400
72737		72738		1-1.1/8	265	500

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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FIJA DE GOLPE / *SLOGGING OPEN WRENCH* / À FOURCHE À FRAPPER / *SCHLAG MAULSCHLÜSSEL* / FISSE AD IMPULSO / *BOCA DE IMPACTO* / УДАРНЫЙ РОЖКОВЫЙ КЛЮЧ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Kg
70280	Cu-Be	71013	Al-Bron	14	130	0,1
70281		71014		17		
70282		71015		19		
36466		36467		20	150	0,2
70283		71016		22		
70284		71017		24		
74875		74876		25		0,3
36468		36469		26	170	0,4
70285		71018		27		0,3
74877		74878		28		
77278		77279		29	190	0,4
70286		71019		30		
70287		71020		32		
77280		77281		33		0,5
74847		74848		34	210	0,6
77282		77283		35		0,7
70288		71021		36		
77284		77285		37		
74341		74342		38		0,8
70289		71022		41	225	0,9
77286		77287		42		
79089		77778		45	245	1,1
70290		71023		46		
77288		77289		47	270	1,2
70291		71024		50		
77290		77291		52		1,4
77292		77293		54	300	1,5
70292		71025		55		
77294		77295		56		1,8
77296		77297		58	310	2
70293		71026		60		
77298		77299		63	340	2,4
70294		71027		65		
77300		77301		67		2,5
70295		71028		70	365	3
77302		77303		71		
70296		71029		75	375	3,5
77304		77305		77		
71007		71030		80	395	4
77306		77307		82		
71008		71031		85	405	5
77308		77309		88	438	
71009		71032		90		6,5
77310		77311		94	445	
71010		71033		95		
71011		71034		100	480	8,5
71012		71035		105	500	10
74849		74850		110	510	
74880		74881		115	520	12
77312		77313		120	530	
74761		74762		125	545	

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Kg
77314	Cu-Be	77315	Al-Bron	130	560	18
77316		77317		135	575	
77318		77319		140	585	
77320		77321		145	630	24
77322		77323		150	640	
77324		77325		155	650	
36470		36471		160		37
36472		36473		165	700	43
36474		36475		170		
36476		36477		175		44
36478		36479		180		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Kg
71036		71055		9/16		0,2
72105		72113		5/8	130	
71037		71056		11/16		0,3
71038		71057		3/4		
71039		71058		7/8		
71040		71059		15/16	150	0,4
72106		72114		1		0,6
71041		71060		1.1/16		
72107		72115		1.1/8	170	
74851		74852		1.3/16		
71042		71061		1.1/4		
77326		77327		1.5/16	190	0,7
72108		72116		1.3/8		
71043		71062		1.7/16		
72109		72117		1.1/2	210	
77328		77329		1.9/16		
71044		71063		1.5/8		
77330		77331		1.11/16	225	1,6
77332		77333		1.3/4		
71045		71064		1.13/16		
72110		72118		1.7/8	245	
71046		71065		2		1,8
77334		77335		2.1/16	270	
77336		77337		2.1/8		2,1
71047		71066		2.3/16	300	2,6
72111		72119		2.1/4		
77338	Cu-Be	77339	Al-Bron	2.5/16		3
71048		71067		2.3/8		
77340		77341		2.7/16	310	4
72112		72120		2.1/2		
71049		71068		2.9/16		
77342		77343		2.5/8	340	
74853		74854		2.3/4		4,5
77344		77345		2.13/16	365	
77346		77347		2.15/16		
71050		71069		3	375	7
71051		71070		3.1/8		
74855		74856		3.3/16	395	
77348		77349		3.1/4		8,5
74857		74858		3.3/8	405	
77350		77351		3.1/2		
71052		71071		3.9/16	438	
77352		77353		3.5/8		10
74859		74860		3.3/4	445	
77354		77355		3.7/8		11
71053		71072		4	480	
77356		77357		4.1/8	500	12
71054		71073		4.5/16	510	
77358		77359		4.9/16	520	13
77360		77361		4.11/16	530	
77362		77363		4.15/16	560	16
77364		77365		5.3/8	575	
77366		77367		6	640	23

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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ESTRELLA DE GOLPE / *SLOGGING RING* / POLYGONALE À FRAPPER / *SCHLAG RINGSCHLÜSSEL* / POLIGONALE AD IMPULSO / *LUNETA DE IMPACTO* / УДАРНЫЙ КЛЮЧ ЗВЕЗДОЧКА

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Kg
70297	Cu-Be	71080	Al-Bron	17	150	0,1
35652		35653		18		
70298		71081		19		
72231		72230		20	170	0,2
77150		77151		21		
70299		71082		22		
77564		77565		23		
70300		71083		24		
72631		72677		25	180	0,3
71906		72951		26		
70301		71084		27		
72633		72679		28		
72634		72680		29	190	0,4
70302		71085		30		
72635		72681		31		
70303		71086		32		
72609		72619		33		
73326		73331		34	200	0,5
72610		72620		35		
70304		71087		36		
72611		72621		37		
71834		71835		38	225	0,8
72636		72682		39		
73327		73332		40		
70305		71088		41		
73328		73333		42		
72638		72684		43	235	0,9
73329		73334		44		
72640		72686		45		
70306		71089		46		
72229		72228		47		
73330		73335		48	245	1,1
72642		72688		49		
70307		71090		50		
72643		72689		51		
70308		71091		52	265	1,4
72644		72690		53		
72613		72623		54		
70309		71092		55		
73470		73394		56		
72647		72693		57	275	1,7
73471		73395		58		
72648		72694		59		
70310		71093		60		
72650		72696		61		
72651		72697		62	290	2
72652		72698		63		
72653		72699		64		
70311		71094		65		
72655		73340		66		
72615		72625		67		2,5

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Kg
72656	Cu-Be	72702	Al-Bron	68	320	2,5
72657		72703		69		
70312		71095		70		
72616		72626		71		
72658		72704		72	325	2,7
72659		72705		73		
72660		72706		74		
70313		71096		75		
72662		72708		76		
72617		72627		77	345	3
72663		72709		78		
72664		72710		79		
70314		71097		80		
72665		72711		81		
72666		72712		82	350	3,3
72667		72713		83		
72668		72714		84		
70315		71098		85		
72670		72716		86		
72671		72717		87	375	3,8
72672		73342		88		
72673		72719		89		
70316		71099		90		
72675		72721		92		
72618		72628		94	395	4,5
70317		71100		95		
72661		72669		97	445	5,5
73345		73344		98	405	
70318		71101		100		
71074		71102		105	410	6,5
72645		72646		108	440	7
71075		71103		110		7,5
71076		71104		115		9
71077		71105		120	480	10
71078		71106		125	490	10,8
71079		71107		130	505	11,3
72084		72089		135	530	12,3
72085		72090		140	550	13,2
72086		72091		145	565	13,6
72087		72092		150		14,1
72088		72093		155		
72212		72210		160	595	16
36482		36483		165	650	26
36484		36485		170		25
36486		36487		175		28
36488		36489		180		27

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Kg
74763	Cu-Be	74764	Al-Bron	1/2	125	0,1
72121		72127		5/8	145	
71108		71133		11/16		
71109		71134		3/4		
72674		72676		13/16		
71110		71135		7/8	170	0,2
75400		72303		15/16		
71111		71136		1	180	0,3
71112		71137		1.1/16		
72122		72128		1.1/8	190	0,4
71113		71138		1.3/16		
71114		71139		1.1/4		0,5
75397		71789		1.5/16		
72123		72129		1.3/8	200	
71115		71140		1.13/32		
72301		71791		1.7/16		
72124		72130		1.1/2	225	0,8
75398		71793		1.9/16		
71116		71141		1.5/8		
75406		71794		1.11/16		
72125		72131		1.3/4	235	0,9
71117		71142		1.13/16		
72126		72132		1.7/8	245	1,2
75399		71797		1.15/16		
71118		71143		2		
75401		71798		2.1/16	265	1,4
75402		71799		2.1/8		
72954		71800		2.3/16		
75403		75404		2.13/64		
71119		71144		2.1/4	275	1,7
71120		71145		2.5/16		
71121		71146		2.3/8		
75405		71801		2.7/16		2
71122		71147		2.1/2	290	
71123		71148		2.9/16		
71124		71149		2.5/8	320	2,5
71125		71150		2.3/4		
77258		77259		2.13/16		
71126		71151		2.15/16	325	2,7
71127		71152		3		
71128		71153		3.1/16		3
71129		71154		3.1/8	345	
77260		77261		3.1/4		3,3
71130		71155		3.3/8	350	
76850		76851		3.1/2	375	3,8
71131		71156		3.9/16		
76849		76852		3.5/8		4
71132		71157		3.3/4	395	
74335		75407		3.7/8	405	5,5
75408		75409		3.15/16		
77262		77263		4		
75410		75411		4.1/8	410	6,5

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Kg
74331	Cu-Be	74332	Al-Bron	4.1/4	410	8,5
77264		77265		4.5/16	435	
75412		75413		4.1/2		9
77266		77267		4.9/16		
75414		75415		4.5/8		
75416		75417		4.11/16	475	10
74333		74334		4.7/8	490	10,8
77268		77269		4.15/16		
77270		77271		5.1/8	505	11,3
77272		77273		5.3/8	530	12,2
77274		77275		5.11/16	565	13,6
77276		77277		6		14,1

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ESTRELLA DE GOLPE ACODADA / *OFFSET SLOGGING RING WRENCH* / CLÉ POLYGONALE À FRAPPER CONTRE-COUDÉE / *SCHLAG-RINGSCHLÜSSEL, GEKRÖPFT* / POLIGONALE AD IMPULSO A GOMITO / *CHAVE LUNETA INCLINADA DE PANCADA* / УДАРНЫЙ ИЗОГНУТЫЙ РОЖКОВЫЙ КЛЮЧ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75465	Cu-Be	75466	Al-Bron	22	220	500
75467		75468		24		
74122		74123		27	240	650
74124		74125		30	270	900
74126		74127		32		
36395		36411		34	280	1050
74128		74129		36		1000
72992		72993		38	305	1300
36396		36412		40	300	
74130		74131		41		
36397		36413		42	310	1850
36398		36414		43		
36399		36415		44		
36400		36416		45		1900
74132		74133		46		
36401		36417		47		
36402		36418		48	320	2000
74134		74135		50		
36403		36419		54		2200
73593		73594		55		
36404		36420		56		2400
36405		36421		57	350	2900
36406		36422		58		
36407		36423		59		
73595		73596		60		
73597		73598		65	380	3200
36408		36424		67	400	4050
73599		73600		70		4200
73601		73602		75	420	
36409		36425		76	430	5500
36410		36426		78		
73603		73604		80		
73605		73606		85	440	6200
73607		73608		90		
73609		73610		95		7000
73611		73612		100		
36492		36493		105	460	8400
73613		73614		110	440	
36494		36495		115	470	8900
73615		73616		120	440	
36496		36497		125	490	11550
36498		36499		130	520	13200
36500		36501		135		
36502		36503		140		
36504		36505		145	570	15400
36506		36507		150		
36508		36509		155	600	17600

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73653	Cu-Be	73654	Al-Bron	1.1/16	240	650
76823		76824		1.3/16		
73655		73656		1.1/4	270	900
73657		73658		1.7/16		
73659		73660		1.1/2	280	1000
73661		73662		1.5/8	300	1300
73663		73664		1.3/4	310	1700
76825		76826		1.13/16		
73665		73666		1.7/8		
73667		73668		2	320	2000
76827		76828		2.3/16		
73669		73670		2.1/4		
73671		73672		2.3/8	380	2700
73673		73674		2.1/2		
76829		76830		2.9/16		
73675		73676		2.5/8	400	3200
73677		73678		2.3/4		
73679		73680		2.7/8	420	4200
73681		73682		3		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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ESTRELLA DE GOLPE CURVA / *CURVED SLOGGING RING WRENCH* / CLÉ POLYGONALE À FRAPPER COURBEE / *ZUGSCHLAGRINGSCHLÜSSEL, GEBOGEN* / POLIGONALE AD IMPULSO A CURVA / *CHAVE LUNETA CURVA DE PANCADA* / УДАРНЫЙ ИЗОГНУТЫЙ РОЖКОВЫЙ КЛЮЧ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
74137	Cu-Be	74138	Al-Bron	24	160	300
74139		74140		27	170	420
74141		74142		30	180	500
74143		74144		32	190	520
74145		74146		36	210	800
74147		74148		41	220	1000
74149		74150		46	240	1200
74151		74152		50	250	1500
74153		74154		55	270	1800
74155		74156		60	280	2200
74157		74158		65	300	2400
74159		74160		70	310	2800





Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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ESTRELLA DE UNA BOCA / *SINGLE END RING WRENCH* / CLÉ POLYGONALE / *EINRINGSCHLÜSSEL* / POLIGONALE UNA BOCCA / *CHAVE LUNETA DE UMA BOCA* / КЛЮЧ ОДИНАРНАЯ ЗВЕЗДОЧКА

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
73993	Cu-Be	73994	Al-Bron	8	100	25
73995		73996		10	110	35
73997		73998		12	120	50
76021		76022		13	130	75
73999		74000		14		
77152		77153		15	140	85
74001		74002		16	145	120
74003		74004		17	150	130
74005		74006		18	160	135
74007		74008		19	170	170
74009		74010		20	175	180
74011		74012		21	185	185
74013		74014		22	190	195
76718		76719		23	210	210
74015		74016		24		
76720		76721		25	215	250
76722		76723		26		
74017		74018		27	230	
76724		76725		28		340
76726		76727		29	250	
74019		74020		30		450
74021		74022		32	270	500
76728		76729		33		
74023		74024		34	280	650
77154		77155		35		
74025		74026		36	290	750
76088		76089		37		
74027		74028		38	300	850
74029		74030		41	310	950
77158		77159		42	320	
74031		74032		45		1200
74033		74034		46	330	1250
77160		77161		47	340	
74035		74036		48		1400
74037		74038		50	350	
77162		77163		52		1500
77164		77165		54		
74039		74040		55	370	1700
74041		74042		56		1750
77166		77167		58		
74043		74044		60	390	1900
77168		77169		63	410	
74045		74046		65		2200
77170		77171		67	430	
74047		74048		70		2600
77172		77173		71	450	
74049		74050		75		3200
77174		77175		77	470	
74051		74052		80		4000
77176		77177		82	490	
74053		74054		85		4400
77178		77179		88	600	4450
77180		77181		90	650	5500
77182		77183		94		
77184		77185		95		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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Management System
ISO 9001:2015
ISO 14001:2015
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INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77186		77187		1/2	130	75
77188		77189		9/16		
77190		77191		19/32	140	85
77192		77193		5/8	145	115
77194		77195		11/16	155	
77196		77197		3/4	170	125
77198		77199		25/32		
77200		77201		13/16	190	170
77202		77203		7/8		
77204		77205		15/16	215	210
77206		77207		31/32		
77208		77209		1	230	260
77210		77211		1.1/16		
77212		77213		1.1/8	255	350
77214		77215		1.3/16		
74641		75471		1.1/4	260	450
77216		77217		1.5/16	265	
77218		77219		1.3/8	295	500
74643		75472		1.7/16	300	600
74642		75473		1.1/2	330	850
77220		77221		1.9/16		
74644	Cu-Be	75474	Al-Bron	1.5/8		
77222		77223		1.11/16		
77224		77225		1.3/4	360	1050
74645		75475		1.13/16		1100
77226		77227		1.7/8		
74646		75476		2	400	1400
74647		74648		2.1/16	450	1500
77228		77229		2.1/8		
77230		77231		2.3/16		
77232		77233		2.1/4		
77234		77235		2.5/16	475	1750
77236		77237		2.3/8		
77238		77239		2.7/16		
77240		77241		2.1/2	510	1950
77242		77243		2.9/16		
77244		77245		2.3/4	550	2400
77246		77247		2.15/16	590	2800
77248		77249		3		
77250		77251		3.1/8	620	3900
77252		77253		3.3/8		
77254		77255		3.1/2	650	5500
77256		77257		3.3/4		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ESTRELLA DE UNA BOCA ACODADA / *OFFSET SINGLE END RING WRENCH* / CLÉ POLYGONALE CONTRE COUDÉE / *EINRINGSCHLÜSSEL, GEKRÖPFT* / CHIAVE A GOMITO A STELLA UNA BOCCA / *CHAVE LUNETA BOCA INCLINADA* / КЛЮЧ ИЗОГНУТАЯ ОДИНАРНАЯ ЗВЕЗДОЧКА

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
74103	Cu-Be	74104	Al-Bron	17	150	130
74105		74106		19	170	170
74107		74108		21	185	210
74109		74110		22	190	220
74111		74112		24	210	280
74113		74114		27	230	350
74115		74116		30	250	480
74117		74118		32	270	600
74119		74120		36	290	750

ESTRELLA DE UNA BOCA CURVA / *CURVED SINGLE END RING WRENCH* / CLÉ POLYGONALE COURBÉE / *EINRINGSCHLÜSSEL, GEBOGEN* / POLIGONALE UNA BOCCA CURVA / *CHAVE LUNETA UMA BOCA CURVA* / КЛЮЧ ИЗОГНУТАЯ ОДИНАРНАЯ ЗВЕЗДОЧКА

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
74056	Cu-Be	74057	Al-Bron	10	120	65
74058		74059		12	160	90
74060		74061		14	150	95
74062		74063		16	175	150
74064		74065		17		
74066		74067		19	200	220
74068		74069		22		
74070		74071		24		320
74072		74073		27		
74074		74075		30	250	550
74076		74077		32		
74078		74079		34	290	600
74080		74081		36		
74082		74083		38	300	800
74084		74085		41		
74086		74087		46	340	1000
74088		74089		50		1250
74378		74379		51		
74090		74091		55	370	2000
74092		74093		60	400	2400
74094		74095		65	430	2500
74096		74097		70	450	3500
74098		74099		75	470	3900
74100		74101		80	490	4200

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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DE VÁLVULA CUADRADA / *VALVE SQUARE* / CLÉ À VANNE CARRÉE / *VENTILSCHLÜSSEL* / VALVOLA QUADRATA / *CHAVE DE VÁLVULA QUADRADA* / КЛЮЧ С КВАДРАТОМ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
74162	Cu-Be	74163	Al-Bron	6	110	60
74164		74165		8	120	75
74166		74167		9	140	90
74168		74169		10		100
74170		74171		11	160	120
74172		74173		12	190	170
74174		74175		13	200	180
74176		74177		14	250	270
74178		74179		16		300
74180		74181		17	300	380
74182		74183		19	350	700
74184		74185		22	400	950
74186		74187		24	500	1200

DE VASO CUADRADA / *SQUARE SOCKET* / CLÉ À DOUILLE CARRÉE / *QUADRATISCHE EINSATZ* / BUSSOLA QUADRATA / *CHAVE DE CAIXA QUADRADA* / ГОЛОВКА С ВНУТРЕННИМ КВАДРАТОМ

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
74189	Cu-Be	74190	Al-Bron	3/8	155	180

CABEZA FIJA / *CROW FOOT OPEN END* / FOURCHE / *HEBESTANGE* / TESTA FISSA / *CABEÇA FIXA* / РОКОВАЯ НАСАДКА ПОД КВАДРАТ

1/4"

INCH



COD.	MAT.	COD.	MAT.	AF inch	AF inch	g
79971	Cu-Be	79972	Al-Bron	1/4	1/4	20
79973		79974		5/16		25

3/8"

MM



COD.	MAT.	COD.	MAT.	AF mm	AF inch	g
72524	Cu-Be	72525	Al-Bron	14	3/8	50

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	AF inch	g
35728	Cu-Be	35729	Al-Bron	3/8	35	3/8	50
74814		74815		7/16			
74816		74817		1/2			
72541		72542		9/16			
72543		72544		5/8	37		
72545		72546		11/16	38		
36240		36241		3/4	40		55
72547		72548		7/8	43		
35862		77781		1.1/16	50		75

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	AF inch	g
72549	Cu-Be	72550	Al-Bron	1.1/8	50	3/8	75
72551		72552		1.1/4	55		90
72553		72554		1.3/8			
72555		72556		1.1/2	60		125
72557		72558		1.11/16	65		160
72559		72560		1.7/8	70		170
72561		72562		2	75		175
72563		72564		2.1/4	80		190

1/2"

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	AF inch	g
72565	Cu-Be	72566	Al-Bron	14	40	1/2	55
72567		72568		16	45		60
72569		72570		17			
72571		72572		19	50		100
72573		72574		20			
72575		72576		22			105
36336		36337		24	55		125
72577		72578		25			
72579		72580		27	60		130
72581		72582		28			135
36338		36339		30	63		215



EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

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LLAVE ESTRELLA DE EXTENSIÓN / *RING SPANNER FOR EXTENSION* / CLÉ POLYGONALE À RALLONGE / *RINGSCHLÜSSEL MIT VERLÄNGERUNG* / CHIAVE POLIGONALE PER ESTENSORI / *CHAVE DE LUNETA DE EXTENSÃO* / ИЗОГНУТАЯ ЗВЕЗДОЧКА ПОД УДЛИНИТЕЛЬ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
73688	Cu-Be	73689	Al-Bron	24	200	900
73472		73396		27		
70957		70982		30		
70958		70983		32	220	
77368		77369		33	230	
70959		70984		34		
70960		70985		35		
70961		70986		36		
70962		70987		37		
70963		70988		38	250	1200
70964		70989		41		
70965		70990		42		
70966		70991		46	270	1600
70967		70992		47		
70968		70993		50	280	1700
70969		70994		52		
70970		70995		54	290	1800
70971		70996		55		
70972		70997		56		
70973		70998		58	310	2000
70974		70999		60		
70975		71000		63	320	2200
70976		71001		65		
70977		71002		67		
70978		71003		70	330	2700
70979		71004		71		
70980		71005		75	340	3300
70981		71006		77		
77370		77371		80	380	4900
77372		77373		82		
77374		77375		85		

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77376	Cu-Be	77377	Al-Bron	1.3/16	200	900
77378		77379		1.1/4	230	
77380		77381		1.5/16		
77382		77383		1.3/8	240	
77384		77385		1.7/16		
77386		77387		1.1/2	260	1000
77388		77389		1.9/16		
77390		77391		1.5/8		
77392		77393		1.11/16		
77394		77395		1.3/4	280	1500
77396		77397		1.13/16		
77398		77399		1.7/8		
77400		77401		2	290	1600
77402		77403		2.1/16	300	1700
77404		77405		2.1/8		
77406		77407		2.3/16		1800
77408		77409		2.1/4		
77410		77411		2.5/16	345	2800
77412		77413		2.3/8		
77414		77415		2.7/16		
77416		77417		2.1/2	355	3200
77418		77419		2.9/16		
77420		77421		2.5/8		
77422		77423		2.3/4	365	3700
77424		77425		2.13/16		
77426		77427		2.15/16	375	4100
77428		77429		3		
77430		77431		3.1/8	385	4900
77432		77433		3.1/4		
77434		77435		3.3/8		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE FIJA DE EXTENSION / *OPEN-END WRENCH FOR EXTENSION* / CLÉ À FOURCHE À RALLONGE / *ZUGMAULSCHLÜSSEL* / CHIAVE FISSA A ESTENSIONE / *CHAVE DE BOCA COM EXTENSÃO* / ГАЕЧНЫЙ КЛЮЧ С РУКОЯТКОЙ ПОД УДЛИННИТЕЛЬ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
36350	Cu-Be	36368	Al-Bron	22	200	410
36351		36369		24	230	460
36352		36370		27	260	540
36353		36371		30	280	660
36354		36372		32	300	810
36355		36373		36	330	950
36356		36374		41	350	1120
36357		36375		46	380	1550
36358		36376		50	400	1810



INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
36359	Cu-Be	36377	Al-Bron	7/8"	200	410
36360		36378		15/16"	230	460
36361		36379		1.1/16"	260	540
36362		36380		1.3/16"	280	660
36363		36381		1.1/4"	300	810
36364		36382		1.7/16"	330	950
36365		36383		1.5/8"	350	1120
36366		36384		1.13/16"	380	1550
36367		36385		2"	400	1810



EXTENSIÓN PARA LLAVE ESTRELLA ACODADA Y LLAVE FIJA / *EXTENSION FOR OFFSET RING SPANNER AND OPEN-END WRENCHES* / RALLONGE POUR CLÉS POLYGONALE CONTRE-COUDÉE À FOURCHE / *VERLÄNGERUNG FÜR RINGSCHLÜSSEL* / ESTENSIONE PER CHIAVE POLIGONALE ANGOLATA E CHIAVE FISSA / *EXTENSÃO PARA CHAVE LUNETA E CHAVE DE BOCA* / УДЛИНИТЕЛЬ ДЛЯ КЛЮЧА ИЗОГНУТАЯ ЗВЕЗДОЧКА

COD.	MAT.	AF mm	AF inch	L (mm)	O.D. mm	g
72612	Latón / *Brass* / Laiton	22-30	1.3/16	460	19	800
72605		32-42	1.1/4-1.11/16	610	22	900
72606		46-58	1.3/4-2.5/16	760	25	1600
72607		60-85	2.3/8-3.3/8	860	30	2500



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

FIJA DE UNA BOCA / *SINGLE ENDED OPEN JAW SPANNER* / À FOURCHE / *EINMAULSCHLÜSSEL* / FISSE SEMPLICE / *FIXA DE UMA BOCA* / РОЖКОВЫЙ КЛЮЧ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75385	Cu-Be	75386	Al-Bron	5	75	30
70259		70936		6	85	40
70260		70937		7		
70261		70938		8	90	
70262		70939		9	100	50
70263		70940		10		
70264		70941		11	105	
72939		71807		12	110	
72940		71808		13	120	
70265		70942		14	125	
72941		71809		15	130	
72942		71810		16	135	
70266		70943		17	145	
72943		71811		18	150	
70267		70944		19	155	
72944		71812		20	165	70
72945		71813		21	170	85
70268		70945		22	180	100
72946		71814		23	190	150
70269		70946		24	195	200
72947		71815		25	210	
72948		71816		26	220	
70270		70947		27		
72949		71817		28	230	250
72950		71818		29	240	270
70271		70948		30	250	300
72955		72911		31	260	
70272		70949		32	270	
75387		75388		34	290	400
70273		70950		36	300	
74403		74404		37	310	490
75389		75390		38		
74344		74345		39	320	500
73300		73305		40		
70274		70951		41		
74346		73306		42	340	550
73302		73307		44	350	850
75391		75392		45		900
70275		70952		46		1000
73303		73308		48	370	1200
70276		70953		50		
73304		73309		52	400	1400
77000		77001		54		
70277		70954		55		
77002		77003		56	420	1800
77004		77005		58		
70278		70955		60		2100
77006		77007		63	450	
70279		70956		65		
77008		77009		67		3000
75393		75394		70	550	3200

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
77010	Cu-Be	77011	Al-Bron	71	550	3400
75395		75396		75	600	3500
77012		77013		77		4000
77014		77015		80		5000
77016		77017		82		
77018		77019		85		5500
77020		77021		88		5800
77022		77023		90		
77024		77025		94		5900
77026		77027		95		
77028		77029		100		6000

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77030	Cu-Be	77031	Al-Bron	5/16	90	20
77032		77033		3/8	100	35
77034		77035		13/32		
77036		77037		7/16	105	
77038		77039		1/2	125	55
77040		77041		9/16		
77042		77043		19/32	140	95
77044		77045		5/8		
77046		77047		11/16		
77048		77049		3/4	155	110
77050		77051		25/32	170	185
77052		77053		13/16		
77054		77055		7/8	180	200
77056		77057		15/16	195	220
77058		77059		31/32		
77060		77061		1	225	310
77062		77063		1.1/16		
77064		77065		1.1/8	255	420
77066		77067		1.3/16		
77068		77069		1.1/4	275	560
77070		77071		1.5/16		
77072		77073		1.3/8	300	850
77074		77075		1.7/16		
77076		77077		1.1/2	325	1000
77078		77079		1.9/16		
77080		77081		1.5/8		
77082		77083		1.11/16	350	1100
77084		77085		1.3/4		
77086		77087		1.13/16		1200
77088		77089		1.7/8	375	1450
77090		77091		2		
77092		77093		2.1/16	400	1800
77094		77095		2.1/8		
76751		76752		2.3/16		
77096		77097		2.1/4		
77098		77099		2.5/16	425	2300
77100		77101		2.3/8		
77102		77103		2.7/16		
77104		77105		2.1/2	450	3050
77106		77107		2.9/16		
77108		77109		2.5/8		
76753		76754		2.3/4	475	3400
77110		77111		2.13/16	500	
77112		77113		2.15/16		4150
77114		77115		3		
77116		77117		3.1/8	525	5100
77118		77119		3.1/4		
77120		77121		3.3/8	545	5600
77122		77123		3.1/2	555	5850
77124		77125		3.5/8		
77126		77127		3.3/4	560	6000
77128		77129		3.7/8	565	6100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

FIJA DE UNA BOCA CURVA / *BENT SINGLE OPEN END* / CLE À FOURCHE COUDÉE / *GEBOGEN MAUL* / FISSA AD UNA BOCCA CURVA / *FIXA DE UMA BOCA CURVA* / ИЗОГНУТЫЙ РОЖКОВЫЙ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
73909	Cu-Be	73910	Al-Bron	12	120	50
73911		73912		14	130	80
73913		73914		17	150	120
73915		73916		19	170	170
75479		75480		21		
73917		73918		22	190	240
73919		73920		24	210	250
75481		75482		26	230	350
73921		73922		27		370
75483		75484		28		
75485		75486		29	250	470
73923		73924		30		
73925		73926		32	270	550
73927		73928		34	280	700
73929		73930		36	290	800
73931		73932		41	310	1000
73933		73934		46	330	1300
73935		73936		50	350	1500
73937		73938		55	370	2000

INCH



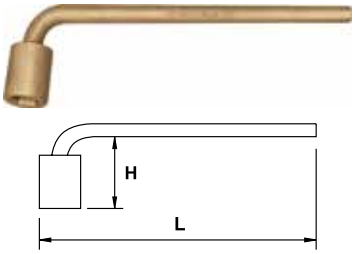
COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
36285	Cu-Be	36290	Al-Bron	1/4	90	50
36286		36291		5/16	100	
36287		36292		1/2	120	55
36510		36511		9/16	130	85
36288		36293		5/8	170	120
36512		36513		3/4	190	175
36514		36515		7/8	210	240
36516		36517		15/16		245
36518		36519		1	230	365
36520		36521		1.1/16		
36289		36294		1.1/8	250	470
36522		36523		1.3/16		480
36524		36525		1.1/4	270	565
36526		36527		1.3/8	280	690
36528		36529		1.7/16	290	815
36530		36531		1.1/2	310	1050
36532		36533		1.5/8		
36534		36535		1.3/4	330	1280
36536		36537		1.13/16		
36538		36539		2	350	1550
36540		36541		2.1/8	370	2050

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

DE PIPA / *ANGLED SOCKET* / CLÉS À PIPE / *PFEIFENSCHLÜSSEL* / CHIAVI A PIPA / *DE CACHIMBO* / ГОЛОВКА С ИЗОГНУТОЙ РУКОЯТКОЙ

MM

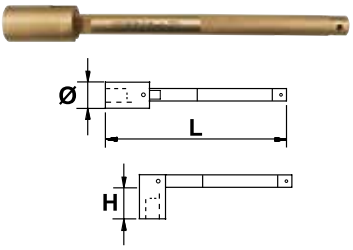
COD.	MAT.	COD.	MAT.	AF mm	L (mm)	H (mm)	g
75489	Cu-Be	75490	Al-Bron	6	120	29	100
75491		75492		7	130	30	120
70417		71361		8	145	33	140
70418		71362		9	155	37	180
73312		73319		10	170		190
70419		71363		11	190	39	210
73313		73320		12	210	42	
73314		73321		13	240	45	240
70420		71364		14			290
73315		73322		15	250	48	330
73316		73323		16			450
70421		71365		17	260	50	500
75493		75494		18		55	
70422		71366		19	270		550
75495		75496		20			
75497		75498		21			700
70423		71367		22	280	60	
75499		75500		23			750
70424		71368		24	290	65	800
75501		75502		25			
75503		75504		26		70	850
70425		71369		27			
75505		75506		28			
75507		75508		29	300	75	950
73317		73324		30			
73318		73325		32	310	80	1100
75509		75510		33	320	85	
75511		75512		34			
75513		75514		35	330		1200
72916		72914		36			
75515		75516		37			
75517		75518		38	350	90	
72917		72915		41			1300
75519		75520		42			
75521		75522		46	360	95	1700
75523		75524		47			
75525		75526		50	370		2000
77610		77611		52	380		2300
77612		77613		54			
75527		75528		55			
77614		77615		56		100	2600
77616		77617		58			
75529		75530		60			
77618		77619		63			2700
75531		75532		65			
77620		77621		67	390	105	3000
75533		75534		70			
77622		77623		71		110	4100
77624		77625		75			4400
77626		77627		77			4600
77628		77629		80	430	120	4800
77630		77631		82			6800



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

SCAFFOLD

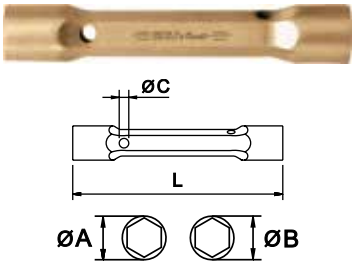
COD.	MAT.	COD.	MAT.	AF mm	O.D. mm	L (mm)	H (mm)	g
79819	Cu-Be	79820	Al-Bron	22	33	300	40	600



DE TUBO DOBLE BOCA / *SOCKET DOUBLE ENDED* / CLÉ À TUBE FORGÉE DROITE / *DOPPEL-STECKSCHLÜSSEL* / CHIAVI A TUBO / *DIRITTE TUBOLARES BOCA DUPLA* / ДВОЙНАЯ ГОЛОВКА

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	B (mm)	Ø C (mm)	g
74728	Cu-Be	74729	Al-Bron	6-7	100	11	13	4	85
74730		74731		8-9	110	14	16		100
74732		74733		10-11	115	17	18		125
74734		74735		12-13	125	19	20	6	185
74736		74737		14-15	130	22	23	8	290
74738		74739		16-17	140	24	26	11	510
74740		74741		18-19	150	27	29		570
74742		74743		20-22	155	30	33	12	710
74744		74745		21-23	165	31	34		750
74746		74747		24-26	180	35	37	13	970
74748		74749		25-28	190	36	40		1050
74750		74751		27-29		39	42		1100
74827		74828		30-36	200	43	50		1400



BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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ID 0910098046
to the Management Quality

LLAVE DE VASO EN T SIN PASADOR / *T-SOCKET WRENCH WITHOUT BAR* / DOUILLE EN T SANS GOUPILLE / *T-STECKSCHLÜSSEL OHNE STAB* / CHIAVI A T ESAGONALI SENZA PERNO / *CHAVE DE CAIXA EM T SEM EXTENSOR* / КЛЮЧ С Т-ОБРАЗНОЙ ГОЛОВКОЙ ИСКРОБЕЗОПАСНЫЙ БЕЗ ВОРОТКА

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
77632	Cu-Be	77633	Al-Bron	8	130	90
77634		77635		9		95
77636		77637		10	150	105
77638		77639		11		120
77640		77641		12	160	140
77642		77643		13		150
77644		77645		14	170	170
77646		77647		15		
77648		77649		16	190	190
77650		77651		17		
77652		77653		18	210	320
77654		77655		19		370
77656		77657		20		400
77658		77659		21	240	470
77660		77661		22		500
77662		77663		23		600
77664		77665		24	270	700
77666		77667		25		750
77668		77669		26		800
77670		77671		27		850
77672		77673		28		900
77674		77675		29	280	950
77676		77677		30		
77678		77679		32		1050
77680		77681		33		1100
77682		77683		34		1200
77684		77685		35		1350
77686		77687		36		1450
77688		77689		37		1500
77690		77691		38		1650
77692		77693		41	285	1950
77694		77695		42		2150
77696		77697		46	300	2300
77698		77699		47		2450
77700		77701		50	320	3350
77702		77703		52		3400
77704		77705		54	340	3500
77706		77707		55		3550
77708		77709		56		
77710		77711		58	360	4100
77712		77713		60		4400
77714		77715		63	380	4850
77716		77717		65		5150
77718		77719		67		5450
77720		77721		70		5900
77722		77723		71		
77724		77725		75	400	6450
77726		77727		77		6700
77728		77729		80		6850
77730		77731		82		7100
77732		77733		85	420	7500
77734		77735		88		7750
77736		77737		90		9000
77738		77739		94	450	9200
77740		77741		95		
77742		77743		100		9250

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

PASADOR PARA LLAVE DE VASO EN "T" / *BAR FOR THE T-SOCKET WRENCH* / GOUPILLE POUR DOUILLE EN "T" / *QUERSTAB FÜR "T" STECK-SCHLÜSSEL* / PIN PER CHIAVE A BUSSOLA A T / *EXTENSOR PARA CHAVE DE CAIXA EM T* / ВОРОТОК ДЛЯ "T"-ОБРАЗНОГО КЛЮЧА

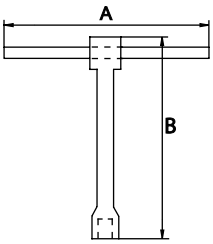
MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	O.D. mm	g
77744	Cu-Be	77745	Al-Bron	8	120	7	35
77746		77747		9-10	130	8	50
77748		77749		11-12	140		55
77750		77751		13-15	150	9	75
77752		77753		16-18	170	10	100
77754		77755		19-20	180		105
77756		77757		21-22	190	12	165
77758		77759		23-28	200	13	210
77760		77761		29-34		16	320
77762		77763		35-37		18	400
77764		77765		38-42	300	20	750
77766		77767		46-47	350		850
77768		77769		50-56	450	25	1700
77770		77771		58-77	500	28	2400
77772		77773		80-85		32	3150
77774		77775		88-100	600	36	4800

LLAVE DE VASO EN "T" / *T-SOCKET WRENCH* / DOUILLE EN "T" / *T-STECKSCHLÜSSEL* / CHIAVE A T POLIGONALE / *CHAVE DE CAIXA EM T* / ГОЛОВКА С Т-ОБРАЗНОЙ РУКОЯТКОЙ

MM





COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	B (mm)	g
71370	Cu-Be	71381	Al-Bron	9	130	130	130	145
71371		71382		11	150	140	150	190
71372		71383		14	170	150	170	250
71373		71384		17	190	170	190	420
71374		71385		19	210	180	210	500
71375		71386		22	240	190	240	700
71376		71387		24	270	200	270	750
71377		71388		27				
71378		71389		30	280		280	900
71379		71390		32				
72096		72097		36				950
71380		71391		38				1000

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE EN "T" / *"T" OPEN END WRENCH* / CLÉ EN "T" / *T-MAULSCHLÜSSEL* / CHIAVE FISSA E T / *CHAVE FIXA EM T* / РОЖКОВЫЙ КЛЮЧ С Т-ОБРАЗНОЙ РУКОЯТКОЙ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
73951	Cu-Be	73952	Al-Bron	8	210	130
73953		73954		10		140
73955		73956		12		145
73957		73958		14		450



HEXAGONAL EN "T" / *"T" HEXAGONAL WRENCH* / CLÉ HEXAGONALE EN "T" / *T-HEX SCHLÜSSEL* / CHIAVE ESAGONALE A T / *CHAVE HEXAGONAL EM T* / ШЕСТИГРАННИК С Т-ОБРАЗНОЙ РУКОЯТКОЙ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
74192	Cu-Be	74193	Al-Bron	10	150	250
74194		74195		12	170	280
74196		74197		14		380
74198		74199		17	190	450
74200		74201		19	220	600
74202		74203		22	240	650
74204		74205		24	260	900
74206		74207		27		950
74208		74209		30	280	1200
74210		74211		32		1400
74212		74213		36	300	1700
74214		74215		41		1900



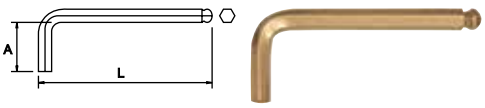
EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVES HEXAGONALES DE BOLA / *BALLPOINT HEXAGONAL KEYS* / CLÉS MÂLES À TÊTE SPHÉRIQUE / *KUGELKOPF INBUSSCHLÜSSEL* / CHIAVI ESAGONALI CON TESTA SFERICA / *CHAVES HEXAGONAIS ESFERICAS* / ШЕСТИГРАННЫЕ КЛЮЧИ С ШАРОВОЙ ГОЛОВКОЙ

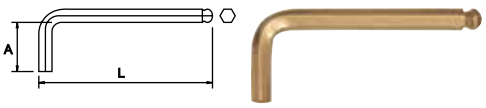
STANDARD

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	g
36605	Cu-Be	36607	Al-Bron	1,5	47	14	3
75553		75554		2	50	16	7
36606		36608		2,5	60	18	
72177		72184		3	65	20	11
72178		72185		4	70	25	14
72179		72186		5	80	28	43
72180		72187		6	90	32	45
75555		75556		7	95	34	
72181		72188		8	100	36	
75557		75558		9	105	38	60
72182		72189		10	110	40	80
75559		75560		11	120	42	100
72183		72190		12	125	45	130

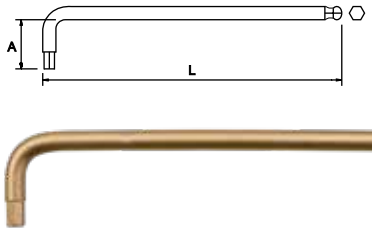
INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	A (mm)	g
36250	Cu-Be	36251	Al-Bron	1/8	65	20	11
36252		36253		5/32	75	25	14
36254		36255		3/16	85	28	41
36256		36257		7/32	95	32	43
36258		36259		1/4	100	34	
36260		36261		5/16	110	36	
36262		36263		3/8	120	40	75

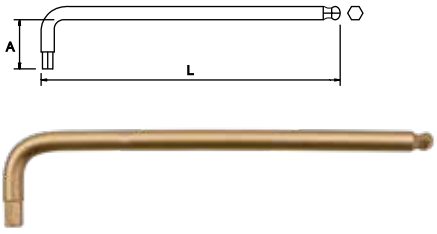
SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SCHNKEL* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЕ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	g
77562	Cu-Be	77563	Al-Bron	2	100	16	15
70410		71354		3	130	20	21
70411		71355		4	145	25	25
70412		71356		5	160	28	43
70413		71357		6	180	32	60
77566		77567		7	195	34	90
70414		71358		8	210	36	150
77568		77569		9	220	38	200
70415		71359		10	240	40	250
70416		71360		12	270	45	440

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	A (mm)	g
36264	Cu-Be	36265	Al-Bron	1/8	130	20	21
36266		36267		5/32	145	25	25
36268		36269		3/16	160	28	43
36270		36271		7/32	180	32	60
36272		36273		1/4	195	34	90
36274		36275		5/16	210	36	150
36276		36277		3/8	240	40	250

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B

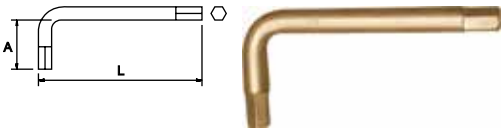
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046

to the Management Quality

LLAVES HEXAGONALES / *HEXAGONAL KEYS* / CLÉS MÂLES / *INBUSSCHLÜSSEL* / CHIAVI ESAGONALI / *CHAVES HEXAGONAIS* / ШЕСТИГРАННЫЕ КЛЮЧИ

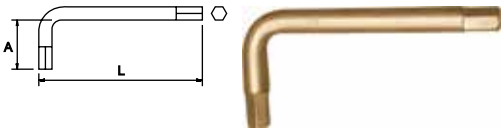
STANDARD

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	g
72239	Cu-Be	72238	Al-Bron	1,5	47	14	6,5
70391		71287		2	52	16	
72929		72928		2,5	60	18	8,5
70392		71288		3	65	20	11
70393		71289		4	75	25	14
70394		71290		5	85	28	41
74357		74358		5,5		26	
70395		71291		6	95	32	43
70396		71292		7	100	34	
70397		71293		8	110	36	
70398		71294		9	115	38	55
70399		71295		10	120	40	75
72241		72240		11	130	42	95
70400		71296		12	140	45	120
72243		72242		13	145	50	152
70401		71297		14	155	55	190
74629		74634		15	160	60	230
72931		72930		16	170		270
70402		71298		17	175	65	320
72245		72244		18	190		380
70403		71299		19	200	70	450
74630		74631		20	205	75	540
74632		74633		21	215		600
70404		71300		22	220	80	690
75228		75229		23	240	85	790
70405		71301		24	250	90	910
75230		75231		25	255	95	1020
75232		75233		26	265		1150
70406		71302		27	275	100	1300
75234		75235		28	290	110	1500
75236		75237		29	300	115	1600
75238		75239		30	310	120	1800
70407		71303		32	350	125	2300
70408		71304		36	400	140	3200
70409		71305		41	430	150	4600

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	A (mm)	g
75537	Cu-Be	75538	Al-Bron	1/16	47	14	6,5
72933		72932		5/64	52	16	
72935		72934		3/32	58	18	8,5
75539		75540		7/64	66	20	11
71306		71330		1/8			
71307		71331		9/64	75	25	14
71308		71332		5/32			
71309		71333		3/16	85	28	41
71310		71334		7/32	95	32	43
71311		71335		1/4	100	34	
75541		75542		9/32			
71312		71336		5/16			
75543		75544		11/32	110	36	
71313		71337		3/8	115	38	55
71314		71338		7/16	130	42	95
71315		71339		1/2	140	45	120
71316		71340		9/16	155	55	190
71317		71341		5/8	160	60	230
71318		71342		11/16	175	65	320
71319		71343		3/4	200	70	450
75545		75546		13/16	210	75	540
71320		71344		7/8	220	80	690
75547		75548		15/16	240	85	790
71321		71345		1	255	95	1020
71322		71346		1.1/16	265		1200
71323		71347		1.1/8	290	110	1500
75549		75550		1.3/16	310	120	1800
71324		71348		1.1/4	350	125	2300
71325		71349		1.5/16	400	140	3200
71326		71350		1.3/8			
71327		71351		1.7/16			
71328		71352		1.1/2	430	150	4600
71329		71353		1.5/8			

SET

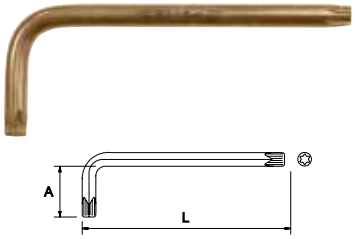
COD.	MAT.	PCS.	COD. PCS.	mm	g
74352	Cu-Be	10	72239, 70391, 72929, 70392, 70393, 70394, 74357, 70395, 70397, 70399	1,5-2-2,5-3-4-5-5,5-6-8-10	370
74353	Al-Bron		72238, 71287, 72928, 71288, 71289, 71290, 74358, 71291, 71293, 71295		



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

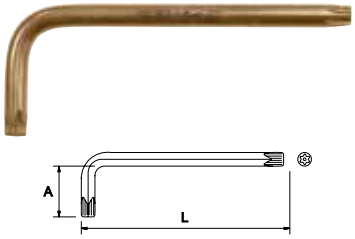
TORX®*

COD.	MAT.	COD.	MAT.		L (mm)	A (mm)	g
35830	Cu-Be	35831	Al-Bron	T6	42	16	8
35832		35833		T7	48		
35834		35835		T8			
35836		35837		T9			
76134		76135		T10	51	17	
76136		76137		T15	54	18	10
76138		76139		T20	57	20	13
76140		76141		T25	60		17
76133		76144		T27	64	21	20
76142		76143		T30	70	24	30
36428		36429		T40	76	26	40



TAMPER TORX

COD.	MAT.	COD.	MAT.		L (mm)	A (mm)	g
36430	Cu-Be	36431	Al-Bron	TT8	42	16	6,5
36432		36433		TT9			
35774		35775		TT10	51	17	
35776		35777		TT15	54	18	9
35778		35779		TT20	57	20	12
35780		35781		TT25	60		15
35782		35783		TT27	64	21	18
35784		35785		TT30	70	24	28
35786		35787		TT40	76	26	38



LLAVE DINAMOMÉTRICA / *TORQUE WRENCH* / CLÉ DYNAMOMETRIQUE / *DREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA / *CHAVE DINAMOMETRICA* / ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	N.m	g
72171	Cu-Be	72174	Al-Bron	3/8	310	100	600
72172		72175		1/2	490	300	1250
72173		72176		3/4	560	500	1700

12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	6%

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	N.m	g
74810	Cu-Be	74806	Al-Bron	3/8	360	10-50	950
74821		74871		1/2	500	40-200	1300
74823		74874			600	60-260	1450
75267		75274		3/4	1050	150-670	5700
74879		74884		1	1250	200-900	10000



12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	6%

* *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

LLAVES DE VASO / *SOCKET WRENCHES* / DOUILLES / *STECKSCHLÜSSEL* / BUSSOLE / *CHAVES DE CAIXA* / ГОЛОВКИ

1/4"

STANDARD

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78981	Cu-Be	78982	Al-Bron	3	25	6	10
71909		71930		4			
75562		75563		4,5			
71910		71931		5			
75551		75552		5,5			
71911		71932		6			12
71912		71933		7			
71913		71934		8			15
71914		71935		9			
71915		71936		10			20
71916		71937		11			
71917		71938		12	26		25
71918		71939		13			
71919		71940		14			30
75564		75565		15	27		
75566		75567		16			
75568		75569		17			35
75570		75571		18			
75572		75573		19			

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
74406	Cu-Be	74427	Al-Bron	4	25	12	10
75576		75577		4,5			
74407		74428		5			
75578		75579		5,5			12
74408		74429		6			
74409		74430		7			15
74410		74431		8			
74411		74432		9			20
74412		74433		10			
74413		74434		11			25
74414		74435		12	26		
74415		74436		13			30
74416		74437		14			
75580		75581		15	27		35
75582		75583		16			
75584		75585		17			
75586		75587		18			
75588		75589		19			

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75574	Cu-Be	75575	Al-Bron	5/32	25	6	10
71920		71941		3/16			
71921		71942		7/32			
71922		71943		1/4			
71923		71944		9/32			15
71924		71945		5/16			
71925		71946		11/32	28		20
71926		71947		3/8			
71927		71948		7/16			25
71928		71949		1/2			
71929		71950		9/16			

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75590	Cu-Be	75591	Al-Bron	5/32	25	12	10
74417		74438		3/16			
74418		74439		7/32			
74419		74440		1/4			
74420		74441		9/32			15
74421		74442		5/16			
74422		74443		11/32	28		20
74423		74444		3/8			
74424		74445		7/16			25
74425		74446		1/2			
74426		74447		9/16			

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/4"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
36725	Cu-Be	36726	Al-Bron	3	50	6	38
78741		78742		4			
78743		78744		4,5			
78745		78746		5			
78747		78748		5,5			
78749		78750		6			
78751		78752		7			40
78753		78754		8			44
78755		78756		9			47
78757		78758		10			
78759		78760		11			50
78761		78762		12			
78763		78764		13			55
78765		78766		14			60
78767		78768		15			70
78769		78770		16			80
78771		78772		17			85
78773		78774		18			95
78775		78776		19			

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78799	Cu-Be	78800	Al-Bron	4	50	12	38
78801		78802		4,5			
78803		78804		5			
78805		78806		5,5			
78807		78808		6			
78809		78810		7			
78811		78812		8			40
78813		78814		9			44
78815		78816		10			47
78817		78818		11			
78819		78820		12			50
78821		78822		13			
78823		78824		14			55
78825		78826		15			60
78827		78828		16			70
78829		78830		17			80
78831		78832		18			85
78833		78834		19			95

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78777	Cu-Be	78778	Al-Bron	5/32	50	6	38
78779		78780		3/16			
78781		78782		7/32			
78783		78784		1/4			
78785		78786		9/32			
78787		78788		5/16			40
78789		78790		11/32			44
78791		78792		3/8			47
78793		78794		7/16			50
78795		78796		1/2			
78797		78798		9/16			55

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78835	Cu-Be	78836	Al-Bron	5/32	50	12	38
78837		78838		3/16			
78839		78840		7/32			
78841		78842		1/4			
78843		78844		9/32			
78845		78846		5/16			40
78847		78848		11/32			44
78849		78850		3/8			47
78851		78852		7/16			50
78853		78854		1/2			
78855		78856		9/16			55

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/4"

LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
71955	Cu-Be	71956	Al-Bron	1/4	130	400



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
71959	Cu-Be	71961	Al-Bron	1/4	4	200
71960		71962			8	400



CARRACA MACHO-HEMBRA / *MALE-FEMALE RATCHET* / CLIQUET MÂLE-FEMELLE / *RATSCHE DOPPELT FUNKTION* / CRICCO MASCHIO-FEMMINA / *ROQUETE MACHO-FÊMEA* / ТРЕЩЕТКА ПАПА-МАМА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73722	Cu-Be	73723	Al-Bron	1/4	200	350



MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *T-GLEITGRIFF* / ASTA CON QUADRO SCORREVOLE "T" / *CABO "T" CORREDIÇO* / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
71957	Cu-Be	71958	Al-Bron	1/4	10	250



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / КАРДАННОЕ СОЕДИНЕНИЕ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
71953	Cu-Be	71954	Al-Bron	1/4	55	150



ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEILE* / ADATTATORE / *PEÇA DE CONEXÃO* / АДАПТЕР

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
75718	Cu-Be	75719	Al-Bron	1/4-3/8	20
71951		71952		1/4-1/2	100



PUNTA HEXAGONAL CON VASO / *HEX BIT SOCKET* / EMBOUT HEXAGONAL À DOUILLE / *HEX SCHRAUBENDREHEREINSATZ* / PUNTA ESAGONALE CON BUSSOLA / *PONTA HEXAGONAL COM CHAVE DE CAIXA* / ШЕСТИГРАННАЯ ГОЛОВКА

COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
73692	Cu-Be	73693	Al-Bron	1/4	3	55	20
73694		73695			4		
73696		73697			5		
73698		73699			6		25
73700		73701			7		30
73702		73703			8	65	40
73704		73705			9		55
73706		73707			10		60



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

1/4"

PUNTA HEXAGONAL CON VASO SERIE LARGA / *HEX BIT SOCKET LARGE SERIE* / EMBOUT HEXAGONAL À DOUILLE LONGUES SÉRIES / *SECHSKANT-BIT-STECKSCHLÜSSEL GROSSE SERIE* / PUNTA ESAGONALE CON BUSSOLA SERIE LUNGA / *PONTA HEXAGONAL COM CHAVE DE CAIXA LONGA* / ГОЛОВКА-БИТ ШЕСТИГРАННАЯ ВЫСОКАЯ



COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36610	Cu-Be	36618	Al-Bron	1/4"	3	55	21
36611		36619			4		28
36612		36620			5		35
36613		36621			6		44
36614		36622			7		50
36615		36623			8	65	80
36616		36624			9		110
36617		36625			10		

DESTORNILLADOR PORTAVASOS / *SOCKET HOLDER* / TOURNEVIS PORTE DOUILLE / *SCHRAUBENDREHERHALTER* / CACCIAVITI PORTABUSSOLE / *CHAVE PORTA CHAVES DE CAIXA* / ДЕРЖАТЕЛЬ ГОЛОВОК



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	mm	g
73731	Cu-Be	73732	Al-Bron	1/4	195	55	60

BMAT

EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/8"

STANDARD

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75592	Cu-Be	75593	Al-Bron	5	28	6	20
75594		75595		5,5			
75596		75597		6			
75598		75599		7			
75600		75601		8			
75602		75603		9			
75604		75605		10	32		35
75606		75607		11			
75608		75609		12			40
75610		75611		13			
75612		75613		14			
75614		75615		15			45
75616		75617		16			
75618		75619		17			55
75620		75621		19			60
75622		75623		20			

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75646	Cu-Be	75647	Al-Bron	5	28	12	20
75648		75649		5,5			
75650		75651		6			
75652		75653		7			
75654		75655		8			
75656		75657		9			
75658		75659		10	32		35
75660		75661		11			
75662		75663		12			40
75664		75665		13			
75666		75667		14			
75668		75669		15			45
75670		75671		16			
75672		75673		17			55
75674		75675		19			60
75676		75677		20			

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75624	Cu-Be	75625	Al-Bron	5/16	32	6	20
75626		75627		3/8			30
75628		75629		7/16			35
75630		75631		1/2			40
75632		75633		9/16			45
75634		75635		5/8	35		65
75636		75637		11/16			70
75638		75639		3/4			75
75640		75641		13/16			80
75642		75643		7/8			85
75644		75645		15/16			100

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75678	Cu-Be	75679	Al-Bron	5/16	32	12	20
75680		75681		3/8			30
75682		75683		7/16			35
75684		75685		1/2			40
75686		75687		9/16			45
75688		75689		5/8	35		65
75690		75691		11/16			70
75692		75693		3/4			75
75694		75695		13/16			80
75696		75697		7/8			85
75698		75699		15/16			100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/8"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78857	Cu-Be	78858	Al-Bron	5	60	6	85
78859		78860		5,5			
78861		78862		6			
78863		78864		7			
78865		78866		8			
78867		78868		9			
78869		78870		10			90
78871		78872		11			95
78873		78874		12			100
75966		75967		13			105
78875		78876		14			
78877		78878		15			110
78879		78880		16			115
78881		78882		17			120
78883		78884		19			130
78885		78886		20			135

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78909	Cu-Be	78910	Al-Bron	5	60	12	85
78911		78912		5,5			
78913		78914		6			
78915		78916		7			
78917		78918		8			
78919		78920		9			
78921		78922		10			90
78923		78924		11			95
78925		78926		12			100
78927		78928		13			105
78929		78930		14			
78931		78932		15			110
78933		78934		16			115
78935		78936		17			120
78937		78938		19			130
78939		78940		20			135

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78887	Cu-Be	78888	Al-Bron	5/16	60	6	85
78889		78890		3/8			100
78891		78892		7/16			105
78893		78894		1/2			
78895		78896		9/16			
78897		78898		5/8			115
78899		78900		11/16			125
78901		78902		3/4			130
78903		78904		13/16			145
78905		78906		7/8			155
78907		78908		15/16			190

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78941	Cu-Be	78942	Al-Bron	5/16	60	12	85
78943		78944		3/8			100
78945		78946		7/16			105
78947		78948		1/2			
78949		78950		9/16			
78951		78952		5/8			115
78953		78954		11/16			125
78955		78956		3/4			130
78957		78958		13/16			145
78959		78960		7/8			155
78961		78962		15/16			190

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/8"

LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75700	Cu-Be	75701	Al-Bron	3/8	200	400



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
75702	Cu-Be	75703	Al-Bron	3/8	8	400
75704		75705			10	500



CARRACA MACHO-HEMBRA / *MALE-FEMALE RATCHET* / CLIQUET MÂLE-FEMELLE / *RATSCHE DOPPELT FUNKTION* / CRICCO MASCHIO-FEMMINA / *ROQUETE MACHO-FÊMEA* / ТРЕЩЕТКА ПАПА-МАМА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75706	Cu-Be	75707	Al-Bron	3/8	200	350



MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *T-GLEITGRIFF* / ASTA CON QUADRO SCORREVOLE "T" / *CABO "T" CORREDIÇO* / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
75708	Cu-Be	75709	Al-Bron	3/8	10	250



MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / MANICO ARTICOLATO / *CABO ARTICULADO* / ГИБКАЯ РУКОЯТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75710	Cu-Be	75711	Al-Bron	3/8	175	220



MANGO ACODADO / *OFFSET HANDLE* / MANCHE CONTRE COUDÉ / *GEKRÖPFTE HANDGRIFF* / DOPPIO MANICO / *CABO DESALINHADO* / ИЗОГНУТАЯ РУКОЯТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75712	Cu-Be	75713	Al-Bron	3/8	200	300



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / КАРДАННОЕ СОЕДИНЕНИЕ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75714	Cu-Be	75715	Al-Bron	3/8	70	150



ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEILE* / ADATTATORE / *PEÇA DE CONEXÃO* / АДАПТЕР

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
75716	Cu-Be	75717	Al-Bron	3/8-1/4	20
75722		75723		3/8-1/2	50



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/8"

PUNTA HEXAGONAL CON VASO / *HEX BIT SOCKET* / EMBOUT HEXAGONAL À DOUILLE / *HEX SCHRAUBENDREHEREINSATZ* / PUNTA ESAGONALE CON BUSSOLA / *PONTA HEXAGONAL COM CHAVE DE CAIXA* / ШЕСТИГРАННАЯ ГОЛОВКА



COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36558	Cu-Be	36566	Al-Bron	3/8"	3	55	55
36559		36567			4		60
36560		36568			5		
36561		36569			6		65
36562		36570			7		70
36563		36571			8	65	85
36564		36572			9		95
36565		36573			10		100

PUNTA HEXAGONAL CON VASO SERIE LARGA / *HEX BIT SOCKET LONG SERIE* / EMBOUT HEXAGONAL À DOUILLE LONGUES SÉRIES / *SECHSKANT-BIT-STECKSCHLÜSSEL GROSSE SERIE* / PUNTA ESAGONALE CON BUSSOLA SERIE LUNGA / *PONTA HEXAGONAL COM CHAVE DE CAIXA LONGA* / ГОЛОВКА-БИТ ШЕСТИГРАННАЯ ВЫСОКАЯ



COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36628	Cu-Be	36636	Al-Bron	3/8"	3	100	60
36629		36637			4		65
36630		36638			5		70
36631		36639			6		80
36632		36640			7		90
36633		36641			8		105
36634		36642			10		135
36635		36643			12		165

EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

- 1/2"
- STANDARD
- MM
- 6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
70319		71158		6			
70320		71159		7			60
70321		71160		8			
70322		71161		9			
70323		71162		10			70
70324		71163		11	40		
70325		71164		12			
70326		71165		13			80
70327		71166		14			
70328		71167		15			
70329		71168		16			90
70330		71169		17			
70331		71170		18			
70332		71171		19	42		100
70333	Cu-Be	71172	Al-Bron	20		6	
70334		71173		21			120
70335		71174		22			130
70336		71175		23	43		140
70337		71176		24			170
70338		71177		25			180
70339		71178		26			190
70340		71179		27			
70341		71180		28			
70342		71181		29	46		200
70343		71182		30			
70344		71183		32			
74693		74692		34	50		350
74325		74326		36			400
79211		79212		41	55		590

- 12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
74448		74475		6			
74449		74476		7			60
74450		74477		8			
74451		74478		9			
74452		74479		10			70
74453		74480		11	40		
74454		74481		12			
74455		74482		13			80
74456		74483		14			
74457		74484		15			
74458		74485		16			90
74459		74486		17			
74460		74487		18			
74461		74488		19	42		100
74462	Cu-Be	74489	Al-Bron	20		12	
74463		74490		21			120
74464		74491		22			130
74465		74492		23	43		140
74466		74493		24			170
74467		74494		25			180
74468		74495		26			190
74469		74496		27			
74470		74497		28			
74471		74498		29	46		200
74472		74499		30			
74473		74500		32			
75300		75301		34	50		350
74474		74501		36			450
36452		36453		41	55		590

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
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Code / Código 8552B
Management System
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to the Management Quality

- 1/2"
- STANDARD
- INCH
- 6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
71184	Cu-Be	71202	Al-Bron	1/4	40	6	60
71185		71203		5/16			
35840		35841		11/32			70
71186		71204		3/8			
71187		71205		7/16			
71188		71206		1/2			80
71189		71207		9/16			
71190		71208		19/32			
71191		71209		5/8			
71192		71210		11/16			90
35842		35843		23/32	42		
71193		71211		3/4			
71194		71212		25/32	43		100
71195		71213		13/16			
71196		71214		7/8			120
35844		35845		29/32			140
71197		71215		15/16			
71198		71216		1			150
71199		71217		1.1/16	46		200
71200		71218		1.1/8			
77788		77789		1.3/16			250
71201		71219		1.1/4	47		
74882		74883		1.7/16			300
78983		78984		1.1/2	55		

- 12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
74502	Cu-Be	74520	Al-Bron	1/4	40	12	60
74503		74521		5/16			
35850		35851		11/32			70
74504		74522		3/8			
74505		74523		7/16			
74506		74524		1/2			80
74507		74525		9/16			
74508		74526		19/32			
74509		74527		5/8			
74510		74528		11/16			90
35852		35853		23/32	42		
74511		74529		3/4			
74512		74530		25/32	43		100
74513		74531		13/16			
74514		74532		7/8			120
35854		35855		29/32			140
74515		74533		15/16			
74516		74534		1			150
74517		74535		1.1/16	46		200
74518		74536		1.1/8			
77790		77791		1.3/16			250
74519		74537		1.1/4	47		
75302		75304		1.7/16			300
36446		36447		1.1/2	55		

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
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Management System
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to the Management Quality

1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35000		35001		6			
35002		35003		7			
35004		35005		8			
35006		35007		9			
35008		35009		10			
35010		35011		11			190
35012		35013		12			
74284		74285		13			
35014		35015		14			
35016		35017		15			
74294		74295		16			
74286		74287		17			
35018		35019		18			195
74288		74289		19			200
35020	Cu-Be	35021	Al-Bron	20	82	6	230
35022		35023		21			240
35024		35025		22			260
35026		35027		23			280
74290		74291		24			300
35028		35029		25			320
35030		35031		26			340
74292		74293		27			360
35032		35033		28			390
35034		35035		29			410
35036		35037		30			430
35038		35039		32			500
35040		35041		34			550
35042		35043		36			650
36450		36451		41			980

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35084		35085		6			
35086		35087		7			
35088		35089		8			
35090		35091		9			
35092		35093		10			
35094		35095		11			190
35096		35097		12			
35098		35099		13			
35100		35101		14			
35102		35103		15			
35104		35105		16			
35106		35107		17			
35108		35109		18			195
35110		35111		19			200
35112	Cu-Be	35113	Al-Bron	20	82	12	230
35114		35115		21			240
35116		35117		22			260
35118		35119		23			280
35120		35121		24			300
35122		35123		25			320
35124		35125		26			340
35126		35127		27			360
35128		35129		28			390
35130		35131		29			410
35132		35133		30			430
35134		35135		32			500
35136		35137		34			550
35138		35139		36			650
36454		36455		41			980

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35044		35045		1/4			
35046		35047		5/16			
35048		35049		3/8			
35050		35051		7/16			
35052		35053		1/2			190
35054		35055		9/16			
35056		35057		19/32			
35058		35059		5/8			
35060		35061		11/16			
35062		35063		3/4			200
35064	Cu-Be	35065	Al-Bron	25/32	82	6	230
35066		35067		13/16			240
35068		35069		7/8			260
35070		35071		15/16			300
35072		35073		1			320
35074		35075		1.1/16			360
35076		35077		1.1/8			410
35078		35079		1.3/16			430
35080		35081		1.1/4			500
35082		35083		1.7/16			650
36444		36445		1.1/2			800

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35140		35141		1/4			
35142		35143		5/16			
35144		35145		3/8			
35146		35147		7/16			
35148		35149		1/2			190
35150		35151		9/16			
35152		35153		19/32			
35154		35155		5/8			
35156		35157		11/16			
35158		35159		3/4			200
35160	Cu-Be	35161	Al-Bron	25/32	82	12	230
35162		35163		13/16			240
35164		35165		7/8			260
35166		35167		15/16			300
35168		35169		1			320
35170		35171		1.1/16			360
35172		35173		1.1/8			410
35174		35175		1.3/16			430
35176		35177		1.1/4			500
35178		35179		1.7/16			650
36448		36449		1.1/2			800

LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / **CLÉ À CLIQUET RÉVERSIBLE** / *UMSCHALTKNARRE* / **CHIAVE A CRICCO REVERSIBILE** / *ROQUETE REVERSIVEL* / **РЕВЕРСИВНАЯ ТРЕЩЕТКА**

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70375	Cu-Be	71272	Al-Bron	1/2	250	600



CARRACA MACHO-HEMBRA / *MALE-FEMALE RATCHET* / **CLIQUET MALE-FEMELLE** / *RATSCHE DOPPELT FUNKTION* / **CRICCO MASCHIO-FEMMINA** / *ROQUETE MACHO-FÊMEA* / **ТРЕЩЕТКА ПАПА-МАМА**

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73724	Cu-Be	73725	Al-Bron	1/2	250	450



MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / **POIGNÉE COULISSANTE** / *T-GLEITGRIFF* / **ASTA CON QUADRO SCORREVOLE "T"** / *CABO "T" CORREDIÇO* / **Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ**

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70378	Cu-Be	71274	Al-Bron	1/2	10	400
70379		71275			12	500



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / MANICO ARTICOLATO / *CABO ARTICULADO* / ГИБКАЯ РУКОЯТКА



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72400	Cu-Be	72401	Al-Bron	1/2	230	330
72402		72403			330	400
72404		72405			410	550

MANGO ACODADO / *OFFSET HANDLE* / MANCHE CONTRE COUDÉ / *GEKRÖPFTE HANDGRIFF* / DOPPIO MANICO / *CABO DESALINHADO* / ИЗОГНУТАЯ РУКОЯТКА



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72410	Cu-Be	72411	Al-Bron	1/2	230	400

PUNTA PLANA CON VASO / *FLAT BIT SOCKET* / EMBOUT FENTE À DOUILLE / *FLACHE SCHRAUBENDREHEREINSATZ* / PUNTA PIATTA CON BUSSOLA / *PONTA DE FENDA COM CHAVE DE CAIXA* / ГОЛОВКА С ПЛОСКОЙ ОТВЕРТКОЙ



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	mm	g
73709	Cu-Be	73710	Al-Bron	1/2	50	13 x 2	100

BERBIQUÍ / *SPEEDER HANDLE* / VILEBREQUIN / *WINDE* / LEVA GIROBECCHINO / *MANIVELA* / КОЛЕНЧАТАЯ РУЧКА



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72416	Cu-Be	72417	Al-Bron	1/2	390	750

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ



COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70383	Cu-Be	71279	Al-Bron	1/2	4	200
76490		76491			5	245
70384		71280			8	400
70385		71281			10	500
75477		75478			16	715

ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / КАРДАННОЕ СОЕДИНЕНИЕ



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70372	Cu-Be	71269	Al-Bron	1/2	80	200

ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEILE* / ADATTATORE / *PEÇA DE CONEXÃO* / АДАПТЕР



COD.	MAT.	COD.	MAT.	AF inch AF inch	g
75720	Cu-Be	75721	Al-Bron	1/2-3/8	70
70369		71266		1/2-3/4	200
79946		79947		1/2-1	280

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

PUNTA HEXAGONAL CON VASO / *HEX BIT SOCKET* / EMBOUT HEXAGONAL A DOVILLE / *HEX SCHRAUBENDREHEREINSATZ* / PUNTA HEXAGONAL CON BUSSOLA / *PONTA HEXAGONAL COM CHAVE DE CAIXA* / ШЕСТИГРАННАЯ ГОЛОВКА



COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36645	Cu-Be	36657	Al-Bron	1/2	4	55	85
36646		36658			5		
36647		36659			6		
36648		36660			7		90
36649		36661			8	65	105
36650		36662			10		120
36651		36663			12		135
36652		36664			14		175
36653		36665			16		190
36654		36666			17		195
36655		36667			18		210
36656		36668			19		

PUNTA HEXAGONAL CON VASO SERIE LARGA / *HEX BIT SOCKET LONG SERIE* / EMBOUT HEXAGONAL A DOVILLE LONGUES SÉRIES / *SECHSKANT-BIT-STECKSCHLÜSSEL GROSSE SERIE* / PUNTA ESAGONALE CON BUSSOLA SERIE LUNGA / *PONTA HEXAGONAL COM CHAVE DE CAIXA LONGA* / ГОЛОВКА-БИТ ШЕСТИГРАННАЯ ВЫСОКАЯ



COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36670	Cu-Be	36682	Al-Bron	1/2	4	100	95
36671		36683			5		
36672		36684			6		100
36673		36685			7		110
36674		36686			8		130
36675		36687			10		155
36676		36688			12		185
36677		36689			14		250
36678		36690			16		270
36679		36691			17		290
36680		36692			18		320
36681		36693			19		

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B

Management System
ISO 9001:2015
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ID 0910098046

to the Management Quality

- **3/4"**
- **STANDARD**
- **MM**
- **6 PT.**



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
74649	Cu-Be	74653	Al-Bron	17	50	6	200
75724		75725		18			
74650		74654		19			
74651		74655		21	55		250
74652		74656		22			
79017		79018		23	50		280
70345		71220		24	55		
71908		72953		26			
70346		71221		27			310
75726		75727		28			320
75728		75729		29			370
70347		71222		30	60		380
75730		75731		31			410
70348		71223		32			440
77792		77793		33			460
74863		74864		34			470
77794		77795		35			500
70349		71224		36			650
77796		77797		37			700
74865		74866		38			750
70350		71225		41	65		850
77798		77799		42			900
70351		71226		46			950
77800		77801		47	70		1100
70352		71227		50			
77802		77803		52			
77804		77805		55			
77806		77807		60			

- **12 PT.**



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75734	Cu-Be	75735	Al-Bron	17	50	12	200
75736		75737		18			
75738		75739		19			
75740		75741		21	55		250
75742		75743		22			
74538		74547		24			280
74539		74548		26			
74540		74549		27			
75744		75745		28			310
75746		75747		29			320
74541		74550		30	60		370
75748		75749		31			380
74542		74551		32			410
77810		77811		33			
75750		75751		34			440
77812		77813		35			
74543		74552		36			460
77814		77815		37			470
75752		75753		38			500
74544		74553		41	65		650
77816		77817		42			700
74545		74554		46			
77818		77819		47	70		750
74546		74555		50			850
77820		77821		52			900
77822		77823		55			950
77824		77825		60			1100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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to the Management Quality

- 3/4"
- STANDARD
- INCH
- 6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
74786		74787		3/4	50		220
75732		75733		13/16			240
74788		74789		7/8			
74790		74791		15/16	55		
74792		74793		1			280
74802		74803		1.1/16			
74804		74805		1.1/8			310
35846		35847		1.5/32			360
74867		74868		1.3/16			
35848		35849		1.7/32			400
74869		74870		1.1/4	60		
71228	Cu-Be	71239	Al-Bron	1.5/16		6	430
71229		71240		1.3/8			470
71230		71241		1.7/16			480
71231		71242		1.1/2			550
71232		71243		1.9/16			650
71233		71244		1.5/8			
71234		71245		1.11/16			
71235		71246		1.3/4	65		700
71236		71247		1.13/16			
71237		71248		1.7/8			
77808		77809		1.15/16			800
71238		71249		2	70		850

- 12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75754		75755		3/4	50		220
75756		75757		13/16			240
75758		75759		7/8			
75760		75761		15/16	55		
75762		75763		1			280
75764		75765		1.1/16			
75766		75767		1.1/8			310
35856		35857		1.5/32			360
75768		75769		1.3/16			
35858		35859		1.7/32			400
75770		75771		1.1/4	60		
74556	Cu-Be	74567	Al-Bron	1.5/16		12	430
74557		74568		1.3/8			470
74558		74569		1.7/16			480
74559		74570		1.1/2			550
74560		74571		1.9/16			650
74561		74572		1.5/8			
74562		74573		1.11/16			
74563		74574		1.3/4	65		700
74564		74575		1.13/16			
74565		74576		1.7/8			
77826		77827		1.15/16			800
74566		74577		2	70		850

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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to the Management Quality

- 3/4"
- **SERIE LARGA** / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**
- **MM**
- **6 PT.**



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35180	Cu-Be	35181	Al-Bron	17	90	6	500
35182		35183		18			
35184		35185		19			
36340		36341		20			
35186		35187		21			
35188		35189		22			
35190		35191		24			550
35192		35193		26			600
35194		35195		27			
35196		35197		28			
35198		35199		29			
35200		35201		30			
35202		35203		31			650
35204		70484		32			
35206		35207		33			
35208		35209		34			
35210		35211		35			
76775		70485		36			700
35212		35213		37			750
35214		35215		38			800
35216		35217		41			900
35218		35219		42			950
35220		35221		46	100		1150
35222		35223		47			1200
35224		35225		50			1250
35226		35227		52			
35228		35229		55			1300
35230		35231		60			1400

- **12 PT.**



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35274	Cu-Be	35275	Al-Bron	17	90	12	500
35276		35277		18			
35278		35279		19			
36342		36343		20			
35280		35281		21			
35282		35283		22			
35284		35285		24			550
35286		35287		26			600
35288		35289		27			
35290		35291		28			
35292		35293		29			
35294		35295		30			
35296		35297		31			650
35298		35299		32			
35300		35301		33			
35302		35303		34			
35304		35305		35			
35306		35307		36			700
35308		35309		37			750
35310		35311		38			800
35312		35313		41			900
35314		35315		42			950
35316		35317		46	100		1150
35318		35319		47			1200
35320		35321		50			1250
35322		35323		52			
35324		35325		55			1300
35326		35327		60			1400

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/4"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35232	Cu-Be	35233	Al-Bron	3/4	90	6	500
35234		35235		13/16			
35236		35237		7/8			550
35238		35239		15/16			
35240		35241		1			600
35242		35243		1.1/16			
35244		35245		1.1/8			
35246		35247		1.3/16			650
35248		35249		1.1/4			
35250		35251		1.5/16			
35252		35253		1.3/8			700
35254		35255		1.7/16			800
35256		35257		1.1/2			900
35258		35259		1.9/16			
35260		35261		1.5/8			950
35262		35263		1.11/16			1000
35264		35265		1.3/4	100		1150
35266		35267		1.13/16			1200
35268		35269		1.7/8			
35270		35271		1.15/16			1250
35272		35273		2			

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35328	Cu-Be	35329	Al-Bron	3/4	90	12	500
35330		35331		13/16			
35332		35333		7/8			550
35334		35335		15/16			
35336		35337		1			600
35338		35339		1.1/16			
35340		35341		1.1/8			
35342		35343		1.3/16			650
35344		35345		1.1/4			
35346		35347		1.5/16			
35348		35349		1.3/8			700
35350		35351		1.7/16			800
35352		35353		1.1/2			900
35354		35355		1.9/16			
35356		35357		1.5/8			950
35358		35359		1.11/16			1000
35360		35361		1.3/4	100		1150
35362		35363		1.13/16			1200
35364		35365		1.7/8			
35366		35367		1.15/16			1250
35368		35369		2			

CARRACA MACHO-HEMBRA / *MALE-FEMALE RATCHET* / CLIQUET MALE-FEMELLE / *RATSCHE DOPPELT FUNKTION* / CRICCO MASCHIO-FEMMINA / *ROQUETE MACHO-FÊMEA* / ТРЕЩЕТКА ПАПА-МАМА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73726	Cu-Be	73727	Al-Bron	3/4	300	1000

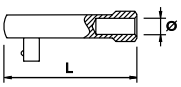


LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70376	Cu-Be	71273	Al-Bron	3/4	390	1400



CABEZA DE CARRACA / *RATCHET HEAD* / TÊTE À CLIQUET / *RATSCHE KOPF* / TESTA A CRICCO / *CABEÇA DE ROQUETE* / ГОЛОВКА ТРЕЩЕТКИ



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	O.D. mm	g
73712	Cu-Be	73713	Al-Bron	3/4	160	21	1500



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/4"

MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *T-GLEITGRIFF* / ASTA CON QUADRO SCORREVOLE "T" / *CABO "T" CORREDIÇO* / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70380	Cu-Be	71276	Al-Bron	3/4	250	900
70381		71277			460	1700



MANGO CORREDIZO EN "T" LARGO / *LONG SLIDING "T" HANDLE* / POIGNÉE COULISSANTE LONGUE / *LANGE T-GRIFF MIT GLEITSTUCK* / MANICO LUNGO SCORREVOLE A T / *CABO T CORREDIÇO LONGO* / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ ДЛИННАЯ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	H (mm)	g
73717	Cu-Be	73718	Al-Bron	3/4	350	190	1500



MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / MANICO ARTICOLATO / *CABO ARTICULADO* / ГИБКАЯ РУКОЯТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72406	Cu-Be	72407	Al-Bron	3/4	300	600



MANGO ACODADO / *OFFSET HANDLE* / MANCHE CONTRE COUDÉ / *GEKRÖPFTE HANDGRIFF* / DOPPIO MANICO / *CABO DESALINHADO* / ИЗОГНУТАЯ РУКОЯТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72412	Cu-Be	72413	Al-Bron	3/4	280	700



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70386	Cu-Be	71282	Al-Bron	3/4	4	200
70387		71283			8	400
70388		71284			10	500
75487		75488			16	1590



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / КАРДАННОЕ СОЕДИНЕНИЕ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70373	Cu-Be	71270	Al-Bron	3/4	135	600



ARTICULACIÓN FLEXIBLE / *FLEXIBLE JOINT* / ARTICULATION FLEXIBLE / *FLEXIBLE VERBINDUNG* / ARTICOLAZIONE FLESSIBILE / *ARTICULAÇÃO FLEXÍVEL* / ГИБКОЕ СОЕДИНЕНИЕ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	I.D. mm	g
72396	Cu-Be	72397	Al-Bron	3/4	120	21	800



ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEILE* / ADATTATORE / *PEÇA DE CONEXÃO* / АДАПТЕР

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
70368	Cu-Be	71265	Al-Bron	3/4-1/2	200
70371		71268		3/4-1	410



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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- 1"
- STANDARD
- MM
- 6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75772	Cu-Be	75773	Al-Bron	22	55	6	330
75774		75775		24			340
75776		75777		25			
75778		75779		26			350
75780		75781		27			360
75782		75783		28			370
75784		75785		29			
75786		75787		30	60		400
75788		75789		31			410
75790		75791		32			440
75792		75793		34			450
75794		75795		36			460
75796		75797		38			500
70353		71250		41	65		600
70354		71251		42			700
70355		71252		46			800
70356		71253		50	70		1000
70357		71254		55	75		1100
70358		71255		60			1400
70359		71256		65	80		1500
70360		71257		70			
70361		71258		75	85		2000
70362		71259		80			2200
70363		71260		85			4600
70364		71261		90	90		4800
70365		71262		95			4900
70366		71263		100			5000
70367		71264		105	95		5200

- 12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75828	Cu-Be	75829	Al-Bron	22	55	12	330
75830		75831		24			340
75832		75833		25			
75834		75835		26			350
75836		75837		27			360
75838		75839		28			370
75840		75841		29			
75842		75843		30	60		400
75844		75845		31			410
75846		75847		32			440
75848		75849		34			450
75850		75851		36			460
75852		75853		38			500
74578		74593		41	65		600
74579		74594		42			700
74580		74595		46			800
74581		74596		50	70		1000
74582		74597		55	75		1100
74583		74598		60			1400
74584		74599		65	80		1500
74585		74600		70			
74586		74601		75	85		2000
74587		74602		80			2200
74588		74603		85			4600
74589		74604		90	90		4800
74590		74605		95			4900
74591		74606		100			5000
74592		74607		105	95		5200

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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- 1"
- STANDARD
- INCH
- 6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75798	Cu-Be	75799	Al-Bron	1.1/16	55	6	360
75800		75801		1.1/8			
75802		75803		1.3/16	60		400
75804		75805		1.1/4			430
75806		75807		1.5/16			440
75808		75809		1.3/8			
75810		75811		1.7/16			460
75812		75813		1.1/2			500
75814		75815		1.5/8	65		550
77828		77829		1.13/16			700
75816		75817		1.7/8			
75818		75819		2	70		800
77830		77831		2.1/8			850
75820		75821		2.1/4	75		1000
77832		77833		2.3/8			1250
75822		75823		2.1/2			
77834		77835		2.9/16			1400
75824		75825		2.3/4	80		
77836		77837		2.15/16			1500
75826		75827		3			
77838		77839		3.1/8			2300

- 12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75854	Cu-Be	75855	Al-Bron	1.1/16	55	12	360
75856		75857		1.1/8			
75858		75859		1.3/16	60		400
75860		75861		1.1/4			430
75862		75863		1.5/16			440
75864		75865		1.3/8			
75866		75867		1.7/16			460
75868		75869		1.1/2			500
75870		75871		1.5/8	65		550
77840		77841		1.13/16			700
75872		75873		1.7/8			
75874		75875		2	70		800
77842		77843		2.1/8			850
75876		75877		2.1/4	75		1000
77844		77845		2.3/8			1250
75878		75879		2.1/2			
77846		77847		2.9/16			1400
75880		75881		2.3/4	80		
77848		77849		2.15/16			1500
75882		75883		3			
77850		77851		3.1/8			2300

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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- 1"
- SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ
- MM
- 6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35370	Cu-Be	35371	Al-Bron	22	100	6	800
35372		35373		24			
35374		35375		25			
35376		35377		26			
35378		35379		27			
35380		35381		28			
35382		35383		29			
35384		35385		30			
35386		35387		31			
35388		35389		32			
35390		35391		34			850
35392		35393		36			900
35394		35395		38			950
35396		35397		41			1000
35398		35399		42			1050
35400		35401		46	115		1250
35402		35403		50			1450
35404		35405		55	125		1750
35406		35407		60			2100
35408		35409		65	135		2600
35410		35411		70			3050
35412		35413		75	140		3850
35414		35415		80			4300
35416		35417		85			4600
35418		35419		90			4900
35420		35421		95			5300
35422		35423		100			5750
35424		35425		105			6200

- 12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35468	Cu-Be	35469	Al-Bron	22	100	12	800
35470		35471		24			
35472		35473		25			
35474		35475		26			
35476		35477		27			
35478		35479		28			
35480		35481		29			
35482		35483		30			
35484		35485		31			
35486		35487		32			
35488		35489		34			850
35490		35491		36			900
35492		35493		38			950
35494		35495		41			1000
35496		35497		42			1050
35498		35499		46	115		1250
35500		35501		50			1450
35502		35503		55	125		1750
35504		35505		60			2100
35506		35507		65	135		2600
35508		35509		70			3050
35510		35511		75	140		3850
35512		35513		80			4300
35514		35515		85			4600
35516		35517		90			4900
35518		35519		95			5300
35520		35521		100			5750
35522		35523		105			6200

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35426	Cu-Be	35427	Al-Bron	1.1/16	100	6	800
35428		35429		1.1/8			
35430		35431		1.3/16			
35432		35433		1.1/4			850
35434		35435		1.5/16			
35436		35437		1.3/8			
35438		35439		1.7/16			900
35440		35441		1.1/2			950
35442		35443		1.5/8			1000
35444		35445		1.13/16	115		1250
35446		35447		1.7/8			1300
35448		35449		2			1450
35450		35451		2.1/8	125		1650
35452		35453		2.1/4			1800
35454		35455		2.3/8			2100
35456		35457		2.1/2			2300
35458		35459		2.9/16	135		2600
35460		35461		2.3/4			3050
35462		35463		2.15/16	140		3850
35464		35465		3			4000
35466		35467		3.1/8			4300

12 PT.



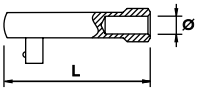
COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35524	Cu-Be	35525	Al-Bron	1.1/16	100	12	800
35526		35527		1.1/8			
35528		35529		1.3/16			
35530		35531		1.1/4			850
35532		35533		1.5/16			
35534		35535		1.3/8			
35536		35537		1.7/16			900
35538		35539		1.1/2			950
35540		35541		1.5/8			1000
35542		35543		1.13/16	115		1250
35544		35545		1.7/8			1300
35546		35547		2			1450
35548		35549		2.1/8	125		1650
35550		35551		2.1/4			1800
35552		35553		2.3/8			2100
35554		35555		2.1/2			2300
35556		35557		2.9/16	135		2600
35558		35559		2.3/4			3050
35560		35561		2.15/16	140		3850
35562		35563		3			4000
35564		35565		3.1/8			4300

LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / **CLÉ À CLIQUET RÉVERSIBLE** / *UMSCHALTKNARRE* / **CHIAVE A CRICCO REVERSIBILE** / *ROQUETE REVERSIVEL* / **РЕВЕРСИВНАЯ ТРЕЩЕТКА**

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72630	Cu-Be	72629	Al-Bron	1	550	1600



CABEZA DE CARRACA / *RATCHET HEAD* / **TÊTE À CLIQUET** / *RATSCHE KOPF* / **TESTA A CRICCO** / *CABEÇA DE ROQUETE* / **ГОЛОВКА ТРЕЩЕТКИ**



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	O.D. mm	g
73714	Cu-Be	73715	Al-Bron	1	180	23	3000



CARRACA MACHO-HEMBRA / *MALE-FEMALE RATCHET* / **CLIQUET MALE-FEMELLE** / *RATSCHE DOPPELT FUNKTION* / **CRICCO MASCHIO-FEMMINA** / *ROQUETE MACHO-FÊMEA* / **ТРЕЩЕТКА ПАПА-МАМА**

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73728	Cu-Be	73729	Al-Bron	1	300	1000



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1"

MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *T-GLEITGRIFF* / ASTA CON QUADRO SCORREVOLE "T" / *CABO "T" CORREDIÇO* / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70382	Cu-Be	71278	Al-Bron	1	12	2300



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	H (mm)	g
73719	Cu-Be	73720	Al-Bron	1	400	190	2400



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70389	Cu-Be	71285	Al-Bron	1	4	400
70390		71286			10	800



ADAPTADOR / *ADAPTER* / ADAPTATEUR / *VERBINDUNGSTEILE* / ADATTATORE / *PEÇA DE CONEXÃO* / АДАПТЕР

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
70370	Cu-Be	71267	Al-Bron	1-3/4	600



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / КАРДАННОЕ СОЕДИНЕНИЕ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70374	Cu-Be	71271	Al-Bron	1	145	1300



ARTICULACIÓN FLEXIBLE / *FLEXIBLE JOINT* / ARTICULATION FLEXIBLE / *FLEXIBLE VERBINDUNG* / ARTICOLAZIONE FLESSIBILE / *ARTICULAÇÃO FLEXÍVEL* / ГИБКОЕ СОЕДИНЕНИЕ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	I.D. mm	g
72398	Cu-Be	72399	Al-Bron	1	120	21	1100



MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / MANICO ARTICOLATO / *CABO ARTICULADO* / ГИБКАЯ РУКОЯТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72408	Cu-Be	72409	Al-Bron	1	315	850



MANGO ACODADO / *OFFSET HANDLE* / MANCHE CONTRE COUDÉ / *GEKRÖPFTE HANDGRIFF* / DOPPIO MANICO / *CABO DESALINHADO* / ИЗОГНУТАЯ РУКОЯТКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72414	Cu-Be	72415	Al-Bron	1	300	1100



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

SET

1/2"

9 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74263	Cu-Be	1/2	9	74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466	10-11-12-14-17-19-22-24	-	1,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466	Llaves de vaso / *Socket wrenches*	10-11-12-14-17-19-22-24
1	72410	Mango acodado / *Offset handle*	230 mm, 400 g



COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35810	Cu-Be	1/2	9	74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515	-	3/8"-7/16"-1/2"-5/8"-11/16"-3/4" 7/8"-15/16"	1,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-5/8"-11/16"-3/4" 7/8"-15/16"
1	72410	Mango acodado / *Offset handle*	230 mm, 400 g

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74264	Al-Bron	1/2	9	74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493	10-11-12-14-17-19-22-24	-	1,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493	Llaves de vaso / *Socket wrenches*	10-11-12-14-17-19-22-24
1	72411	Mango acodado / *Offset handle*	230 mm, 400 g

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35819	Al-Bron	1/2	9	74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533	-	3/8"-7/16"-1/2"-5/8"-11/16"-3/4" 7/8"-15/16"	1,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-5/8"-11/16"-3/4" 7/8"-15/16"
1	72411	Mango acodado / *Offset handle*	230 mm, 400 g

12 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74265	Cu-Be	1/2	12	74450, 74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469	8-10-11-12-14-17-19-22-24-27	-	2,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
10	74450, 74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469	Llave de vaso / *Socket wrenches*	8-10-11-12-14-17-19-22-24-27
1	72400	Mango Articulado / *Offset handle*	230 mm, 330 g
	70375	Carraca / *Ratchet*	250 mm, 600 g



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"- 12 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35811	Cu-Be	1/2	12	74503, 74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517	-	5/16"-3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"	2,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	74503, 74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517	Llave de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"	
1	72400	Mango articulado / *Offset handle*	230 mm, 330 g	
	70375	Carraca / *Ratchet*	250 mm, 600 g	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74266	Al-Bron	1/2	12	74477, 74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496	8-10-11-12-14-17-19-22-24-27	-	2,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	ç74477, 74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496	Llaves de vaso / *Socket wrenches*	8-10-11-12-14-17-19-22-24-27	
1	72401	Mango articulado / *Offset handle*	230 mm, 330 g	
	71272	Carraca / *Ratchet*	250 mm, 600 g	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35820	Al-Bron	1/2	12	74521, 74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535	-	5/16"-3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"	2,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	74521, 74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535	Llaves de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"	
1	72401	Mango articulado / *Offset handle*	230 mm, 330 g	
	71272	Carraca / *Ratchet*	250 mm, 600 g	

16 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74267	Cu-Be	1/2	16	74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469, 74472, 74473, 76490	10-11-12-14-17-19-22-24-27-30-32	-	4,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469, 74472, 74473	Llaves de vaso / *Socket wrenches*	10-11-12-14-17-19-22-24-27-30-32	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiquí / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35812	Cu-Be	1/2	16	74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517, 77790, 74519, 76490	-	3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"-1.3/16"-1.1/4"	4,5



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"- 16 PCS.

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517, 77790, 74519	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"-1.3/16"-1.1/4"	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74268	Al-Bron	1/2	16	74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496, 74499, 74500, 76491	10-11-12-14-17-19-22-24-27-30-32	-	4,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496, 74499, 74500	Llaves de vaso / *Socket wrenches*	10-11-12-14-17-19-22-24-27-30-32	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35821	Al-Bron	1/2	16	74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535, 77791, 74537, 76491	-	3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"-1.3/16"-1.1/4"	4,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535, 77791, 74537	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"-1.3/16"-1.1/4"	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	

24 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74269	Cu-Be	1/2	24	74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74469, 74472, 74473, 76490	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	-	5,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
18	74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74469, 74472, 74473	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"- 24 PCS.

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1	70372	Articulacion universal / *Universal Joint*	80 mm	

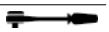
COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35813	Cu-Be	1/2	24	74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 74515, 74516, 74517, 77790, 74519, 76490	-	1/4"-5/16"-3/8"-7/16"-1/2"-19/32" 5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-1"-15/16"-1.1/16"-1.3/16"-1.1/4"	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
18	74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 74515, 74516, 74517, 77790, 74519	Llaves de vaso / *Socket wrenches*	1/4"-5/16"-3/8"-7/16"-1/2"-19/32" 5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-1"-15/16"-1.1/16"-1.3/16"-1.1/4"	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74270	Al-Bron	1/2	24	74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74496, 74499, 74500, 76491	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	-	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
18	74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74496, 74499, 74500	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion Universal / *Universal Joint*	80 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35822	Al-Bron	1/2	24	74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 74533, 74534, 74535, 77791, 74537, 76491	-	1/4"-5/16"-3/8"-7/16"-1/2"-19/32" 5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-1"-15/16"-1.1/16"-1.3/16"-1.1/4"	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
18	74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 74533, 74534, 74535, 77791, 74537	Llaves de vaso / *Socket wrenches*	1/4"-5/16"-3/8"-7/16"-1/2"-19/32" 5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-1"-15/16"-1.1/16"-1.3/16"-1.1/4"	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"- 24 PCS.

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1	71269	Articulacion universal / *Universal Joint*	80 mm	

27 PCS.



COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74271	Cu-Be	1/2	27	74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473, 76490	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	-	6,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
20	74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	
	73709	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35814	Cu-Be	1/2	27	74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519, 76490	-	1/4"-5/16"-3/8"-7/16"-1/2"-19/32"-5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	6,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
20	74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519	Llaves de vaso / *Socket wrenches*	1/4"-5/16"-3/8"-7/16"-1/2"-19/32"-5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	
	73709	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74272	Al-Bron	1/2	27	74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500, 76491	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	-	6,0

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

1/2"- 27 PCS.

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
20	74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion universal / *Universal Joint*	80 mm	
	73710	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35823	Al-Bron	1/2	27	74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537, 76491	-	1/4"-5/16"-3/8"-7/16"-1/2"-19/32"-5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	6,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
20	74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537	Llaves de vaso / *Socket wrenches*	1/4"-5/16"-3/8"-7/16"-1/2"-19/32"-5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion universal / *Universal Joint*	80 mm	
	73710	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

31 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74273	Cu-Be	1/2	31	74450, 74451, 74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473, 76490	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	-	6,5



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
22	74450, 74451, 74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	
1	72410	Mango acodado / *Offset handle*	230 mm, 400 g	
	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	
	73709	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

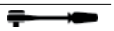
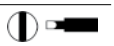
1/2"- 31 PCS.

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1		Vaso para bujias / *Spark plug socket*	13/16"	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35815	Cu-Be	1/2	31	74503, 35850, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 35852, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519, 76490	-	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	6,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
22	74503, 35850, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 35852, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519	Llaves de vaso / *Socket wrenches*	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	72410	Mango acodado / *Offset handle*	230 mm, 400 g	
	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	
	73709	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	
		Vaso para bujias / *Spark plug socket*	13/16"	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74274	Al-Bron	1/2	31	74477, 74478, 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500, 76491	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	-	6,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
22	74477, 74478, 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500	Llaves para vaso / *Socket wrenches*	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	72411	Mango acodado / *Offset handle*	230 mm, 400 g	
	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion universal / *Universal Joint*	80 mm	
	73710	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	
		Vaso para bujias / *Spark plug socket*	13/16"	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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1/2"- 31 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35824	Al-Bron	1/2	31	74521, 35851, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 35853, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537, 76491	-	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	6,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
22	74521, 35851, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 35853, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537	Llaves de vaso / *Socket wrenches*	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	72411	Mango acodado / *Offset handle*	230 mm, 400 g	
	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion universal / *Universal Joint*	80 mm	
	73710	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	
		Vaso para bujia / *Spark plug socket*	13/16"	

3/4"

14 PCS.



COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74275	Cu-Be	3/4	14	75740, 74538, 74540, 74541, 74542, 75750, 74543, 75752, 74544, 74545, 74546	21-24-27-30-32-34-36-38-41-46-50	-	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
11	75740, 74538, 74540, 74541, 74542, 75750, 74543, 75752, 74544, 74545, 74546	Llaves de vaso / *Socket wrenches*	21-24-27-30-32-34-36-38-41-46-50
1	70387	Alargadera / *Extension*	200 mm
	72416	Mango corredizo en T / *Sliding T handle*	400 mm
	70376	Carraca / *Ratchet*	320 mm

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35816	Cu-Be	3/4	14	75756, 75760, 75764, 75768, 75770, 74557, 74558, 74559, 74561, 74564, 74566	-	13/16"-15/16"-1-1/16"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
11	75756, 75760, 75764, 75768, 75770, 74557, 74558, 74559, 74561, 74564, 74566	Llaves de vaso / *Socket wrenches*	13/16"-15/16"-1-1/16"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"
1	70387	Alargadera / *Extension*	200 mm
	72416	Mango corredizo en T / *Sliding T handle*	400 mm
	70376	Carraca / *Ratchet*	320 mm

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

3/4"- 14 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74276	Al-Bron	3/4	14	75741, 74547, 74549, 74550, 74551, 75751, 74552, 75753, 74553, 74554, 74555	21-24-27-30-32-34-36-38-41-46-50	-	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	75741, 74547, 74549, 74550, 74551, 75751, 74552, 75753, 74553, 74554, 74555	Llaves de vaso / *Socket wrenches*	21-24-27-30-32-34-36-38-41-46-50	
1	71283	Alargadera / *Extension*	200 mm	
	72417	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35825	Al-Bron	3/4	14	75757, 75761, 75765, 75769, 75771, 74568, 74569, 74570, 74572, 74575, 74577	-	13/16"-15/16"-1-1/16"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	75757, 75761, 75765, 75769, 75771, 74568, 74569, 74570, 74572, 74575, 74577	Llaves de vaso / *Socket wrenches*	13/16"-15/16"-1-1/16"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	
1	71283	Alargadera / *Extension*	200 mm	
	72417	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

20 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74277	Cu-Be	3/4	20	75740, 75742, 74538, 74539, 74540, 75744, 75746, 74541, 75748, 74542, 75750, 74543, 75752, 74544, 74545, 74546	21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50	-	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	75740, 75742, 74538, 74539, 74540, 75744, 75746, 74541, 75748, 74542, 75750, 74543, 75752, 74544, 74545, 74546	Llaves de vaso / *Socket wrenches*	21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50	
2	70387	Alargadera / *Extension*	200 mm	
1	72416	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35817	Cu-Be	3/4	20	75754, 75756, 75758, 75760, 75762, 75764, 75766, 35856, 75768, 35858, 75770, 74557, 74558, 74559, 74561, 74564, 74566	-	3/4"-13/16""-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.5/32"-1.3/16"-1.7/32"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	8,5



Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

3/4"- 20 PCS.

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	75754, 75756, 75758, 75760, 75762, 75764, 75766, 35856, 75768, 35858, 75770, 74557, 74558, 74559, 74561, 74564, 74566	Llaves de vaso / *Socket wrenches*	3/4"-13/16""-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.5/32"-1.3/16"-1.7/32"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	
2	70387	Alargadera / *Extension*	200 mm	
1	72416	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74278	Al-Bron	3/4	20	75741, 75743, 74547, 74548, 74549, 75745, 75747, 74550, 75749, 74551, 75751, 74552, 75753, 74553, 74554, 74555	21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50	-	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	75741, 75743, 74547, 74548, 74549, 75745, 75747, 74550, 75749, 74551, 75751, 74552, 75753, 74553, 74554, 74555	Llaves de vaso / *Socket wrenches*	21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50	
2	71283	Alargadera / *Extension*	200 mm	
1	72417	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35826	Al-Bron	3/4	20	75755, 75757, 75759, 75761, 75763, 75765, 75767, 35857, 75769, 35859, 75771, 74568, 74569, 74570, 74572, 74575, 74577	-	3/4"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.5/32"-1.3/16"-1.7/32"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	75755, 75757, 75759, 75761, 75763, 75765, 75767, 35857, 75769, 35859, 75771, 74568, 74569, 74570, 74572, 74575, 74577	Llaves de vaso / *Socket wrenches*	3/4"-13/16""-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.5/32"-1.3/16"-1.7/32"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	
2	71283	Alargadera / *Extension*	200 mm	
1	72417	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

1"

18 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74279	Cu-Be	1	18	74541, 75748, 74542, 75750, 74543, 75752, 74544, 74545, 74546, 77822, 77824	30-31-32-34-36-38-41-46-50-55-60-65-70-75-80	-	18

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	74541, 75748, 74542, 75750, 74543, 75752, 74544, 74545, 74546, 77822, 77824	Llaves de vaso / *Socket wrenches*	30-31-32-34-36-38-41-46-50-55-60-65-70-75-80	
1	72396	Articulación flexible / *Flexible joint*	120 mm	
	70387	Alargadera / *Extension*	200 mm	
	72416	Mango corredizo en T / *Sliding T handle*	400 mm	



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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1"- 18 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35818	Cu-Be	1	18	75766, 75768, 75770, 74557, 74558, 74559, 74561, 74564, 74566	-	1.1/8"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"-2.1/4"-2.3/8"-2.9/16"-2.3/4"-2.15/16"-3.1/8"	18

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	75766, 75768, 75770, 74557, 74558, 74559, 74561, 74564, 74566	Llaves de vaso / *Socket wrenches*	1.1/8"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"-2.1/4"-2.3/8"-2.9/16"-2.3/4"-2.15/16"-3.1/8"	
1	72396	Articulación flexible / *Flexible joint*	120 mm	
	70387	Alargadera / *Extension*	200 mm	
	72416	Mango corredizo en T / *Sliding T handle*	400 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74280	Al-Bron	1	18	74550, 75749, 74551, 75751, 74552, 75753, 74553, 74554, 74555, 77823, 77825	30-31-32-34-36-38-41-46-50-55-60-65-70-75-80	-	18

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	74550, 75749, 74551, 75751, 74552, 75753, 74553, 74554, 74555, 77823, 77825	Llaves de vaso / *Socket wrenches*	30-31-32-34-36-38-41-46-50-55-60-65-70-75-80	
1	72397	Articulación flexible / *Flexible joint*	120 mm	
	71283	Alargadera / *Extension*	200 mm	
	72417	Mango corredizo en T / *Sliding T handle*	400 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35827	Al-Bron	1	18	75767, 75769, 75771, 74568, 74569, 74570, 74572, 74575, 74577	-	1.1/8"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"-2.1/4"-2.3/8"-2.9/16"-2.3/4"-2.15/16"-3.1/8"	18

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	75767, 75769, 75771, 74568, 74569, 74570, 74572, 74575, 74577	Llaves de vaso / *Socket wrenches*	1.1/8"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"-2.1/4"-2.3/8"-2.9/16"-2.3/4"-2.15/16"-3.1/8"	
1	72397	Articulación flexible / *Flexible joint*	120 mm	
	71283	Alargadera / *Extension*	200 mm	
	72417	Mango corredizo en T / *Sliding T handle*	400 mm	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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LLAVES DE VASO DE IMPACTO / *IMPACT SOCKET WRENCHES* / DOUILLES À CHOC / *IMPACT STECKSCHLÜSSEL EINSÄTZE* / BUSSOLA AD IMPULSI / *CHAVES DE CAIXA DE IMPACTO* / УДАРНАЯ ГОЛОВКА

- 1/2"
- STANDARD
- MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
77852	Cu-Be	77853	Al-Bron	8	42	6	105
77854		77855		9			
77856		77857		10			115
77858		77859		11			
77860		77861		12	44		135
77862		77863		13			145
77864		77865		14			
77866		77867		15			
77868		77869		16			
77870		77871		17			160
77872		77873		18			180
77874		77875		19			
77876		77877		20			
74717		74718		21			
77878		77879		22			
77880		77881		23			
74719		74720		24	46		200
77882		77883		25			
77884		77885		26			210
77886		77887		27	48		220
77888		77889		28			
77890		77891		29			230
74721		74722		30	50		240
77892		77893		32			250
36086		36087		36			260
74723		74724		41			
74725		74726		46			600
74716		74727		50	60		800

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
77930	Cu-Be	77931	Al-Bron	8	42	12	105
77932		77933		9			
76496		76497		10			115
76498		76499		11			
76500		76501		12	44		135
76502		76503		13			145
76504		76505		14			
76506		76507		15			
76508		76509		16			
74775		74776		17			160
77934		77935		18			180
74777		74778		19			
77936		77937		20			
77938		77939		21			
74779		74780		22			
76510		76511		23			
77940		77941		24	46		200
77942		77943		25			
77944		77945		26			210
74781		74782		27	48		220
77946		77947		28			
77948		77949		29			230
77950		77951		30	50		240
74783		74784		32			250
36695		36696		36			260
77952		77953		41			
77954		77955		46			600
36458		36459		50	60		800



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

- **1/2"**
- **STANDARD**
- **INCH**
- **6 PT.**



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
77894	Cu-Be	77895	Al-Bron	5/16	42	6	105
77896		77897		3/8			110
77898		77899		7/16			115
77900		77901		1/2	44		145
77902		77903		9/16			
77904		77905		19/32			
77906		77907		5/8			
77908		77909		11/16			160
77910		77911		3/4			180
77912		77913		25/32			
77914		77915		13/16			
77916		77917		7/8			
77918		77919		15/16			200
77920		77921		1			
77922		77923		1.1/16			220
77924		77925		1.1/8			
77926		77927		1.3/16			240
77928		77929		1.1/4			250

- **12 PT.**



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
77956	Cu-Be	77957	Al-Bron	5/16	42	12	105
77958		77959		3/8			110
77960		77961		7/16			115
77962		77963		1/2	44		145
77964		77965		9/16			
77966		77967		19/32			
77968		77969		5/8			
77970		77971		11/16			160
77972		77973		3/4			180
77974		77975		25/32			
77976		77977		13/16			
77978		77979		7/8			
77980		77981		15/16			200
77982		77983		1			
77984		77985		1.1/16			220
77986		77987		1.1/8			
77988		77989		1.3/16			240
77990		77991		1.1/4			250



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
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1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
76202	Cu-Be	76203	Al-Bron	8	82	6	170
76204		76205		9			
76206		76207		10			
76208		76209		11			
76210		76211		12			
76212		76213		13			180
76214		76215		14			190
76216		76217		15			200
76218		76219		16			220
76220		76221		17			240
76222		76223		18			260
76224		76225		19			270
76226		76227		20			280
76228		76229		21			290
76230		76231		22			310
76232		76233		23			320
76766		76767		24			340
76234		76235		25			380
76236		76237		26			400
76768		76769		27			420
76280		76281		28			440
76282		76283		29			460
76770		76771		30			500
76772		76773		32			
36697		36698		36			750
76284		76285		41			800
76286		76287		46			1000
36456		36457		50			1275

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
76990	Cu-Be	76991	Al-Bron	8	82	12	170
76992		76993		9			
76994		76995		10			
76996		76997		11			
76998		76999		12			
78389		78390		13			180
78391		78392		14			190
78393		78394		15			200
78395		78396		16			220
78397		78398		17			240
78399		78400		18			260
78401		78402		19			270
78403		78404		20			280
78405		78406		21			290
78407		78408		22			310
78409		78410		23			320
78411		78412		24			340
78413		78414		25			380
78415		78416		26			400
78417		78418		27			420
78419		78420		28			440
78421		78422		29			460
78423		78424		30			500
78425		78426		32			
36699		36700		36			750
78427		78428		41			800
78429		78430		46			1000
36460		36461		50			1275



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
76352	Cu-Be	76353	Al-Bron	5/16	82	6	170
76354		76355		3/8			
76356		76357		7/16			
76358		76359		1/2			180
76360		76361		9/16			190
76362		76363		19/32			200
76364		76365		5/8			220
76366		76367		11/16			250
76368		76369		3/4			270
76370		76371		25/32			280
76372		76373		13/16			290
76374		76375		7/8			310
76376		76377		15/16			340
76378		76379		1			380
76380		76381		1.1/16			420
76382		76383		1.1/8			460
76384		76385		1.3/16			490
76386		76387		1.1/4			500

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78431	Cu-Be	78432	Al-Bron	5/16	82	12	170
78433		78434		3/8			
78435		78436		7/16			
78437		78438		1/2			180
78439		78440		9/16			190
78441		78442		19/32			200
78443		78444		5/8			220
78445		78446		11/16			250
78447		78448		3/4			270
78449		78450		25/32			280
78451		78452		13/16			290
78453		78454		7/8			310
78455		78456		15/16			340
78457		78458		1			380
78459		78460		1.1/16			420
78461		78462		1.1/8			460
78463		78464		1.3/16			490
78465		78466		1.1/4			500



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

- 3/4"
- STANDARD
- MM
- 6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
79839	Cu-Be	79840	Al-Bron	17	55	6	350
77992		77993		19			
79210		79213		20			250
79841		79842		21			350
77994		77995		22			
75884		75885		24			
79879		79880		26			370
75886		75887		27			380
79881		79882		28	50		400
75888		75889		30	60		500
75890		75891		32			550
79843		79844		33			
77996		77997		34			
75892		75893		36			
77998		77999		38	65		700
75894		75895		41			800
75896		75897		46			900
75898		75899		50	70		1100
78000		78001		55			1250
78002		78003		60			

- 12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
36701	Cu-Be	36702	Al-Bron	17	50	12	300
78040		78041		19	55		350
36284		36295		20			
78042		78043		22			
36729		36730		23	50		380
72314		72315		24	55		350
72316		72317		27			380
72318		72319		30	60		500
72320		72321		32			550
76512		76513		34			
72322		72323		36			
76514		76515		38	65		700
72324		72325		41			800
72326		72327		46			900
72328		72329		50	70		1100
76516		76517		55			1250
78044		75968		60			



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/4"

STANDARD

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
79883	Cu-Be	79884	Al-Bron	9/16	50	6	320
79885		79886		5/8			340
78004		78005		3/4	55		430
78006		78007		13/16			450
78008		78009		7/8			
78010		78011		15/16			
78012		78013		1			
78014		78015		1.1/16			
78016		78017		1.1/8			460
78018		78019		1.3/16	60		600
78020		78021		1.1/4			
78022		78023		1.5/16			650
78024		78025		1.3/8	65		700
78026		78027		1.7/16			
78028		78029		1.1/2			
78030		78031		1.5/8			850
79887		79888		1.11/16	60		670
78032		78033		1.3/4	65		850
78036		78037		1.13/16			1200
78034		78035		1.7/8			850
78038		78039		2	70		1250

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78045	Cu-Be	78046	Al-Bron	3/4	55	12	430
78047		78048		13/16			450
78049		78050		7/8			
78051		78052		15/16			
78053		78054		1			
78055		78056		1.1/16			
78057		78058		1.1/8			460
78059		78060		1.3/16	60		600
78061		78062		1.1/4			
78063		78064		1.5/16			650
78065		78066		1.3/8	65		700
78067		78068		1.7/16			
78069		78070		1.1/2			
78071		78072		1.5/8			850
78073		78074		1.3/4			
78077		78078		1.13/16			1200
78075		78076		1.7/8			850
78079		78080		2	70		1250



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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3/4"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
36462	Cu-Be	36463	Al-Bron	17	90	6	650
78467		78468		19			800
78469		78470		22			
36731		36732		23			690
78471		78472		24			800
78473		78474		27			
78475		78476		30	95		900
78477		78478		32			
78479		78480		34			
78481		78482		36			
78483		78484		38	100		1100
78485		78486		41			1150
78487		78488		46			1200
78489		78490		50			1700
78491		78492		55			1750
78493		78494		60			

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
36464	Cu-Be	36465	Al-Bron	17	90	12	600
78531		78532		19			800
78533		78534		22			
36733		36734		23			
78535		78536		24			
78537		78538		27			
78539		78540		30	95		900
78541		78542		32			
78543		78544		34			
78545		78546		36			
78547		78548		38	100		1100
78549		78550		41			1150
78551		78552		46			1200
78553		78554		50			1700
78555		78556		55			1750
78557		78558		60			



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098046
to the Management Quality

3/4"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78495	Cu-Be	78496	Al-Bron	3/4	90	6	800
78497		78498		13/16			
78499		78500		7/8			
78501		78502		15/16			
78503		78504		1			
78505		78506		1.1/16			
78507		78508		1.1/8	95		900
78509		78510		1.3/16			
78511		78512		1.1/4			
78513		78514		1.5/16			
78515		78516		1.3/8			
78517		78518		1.7/16			
78519		78520		1.1/2	100		1100
78521		78522		1.5/8			1150
78523		78524		1.3/4			
78525		78526		1.13/16			1200
78527		78528		1.7/8			
78529		78530		2			1700

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78559	Cu-Be	78560	Al-Bron	3/4	90	12	800
78561		78562		13/16			
78563		78564		7/8			
78565		78566		15/16			
78567		78568		1			
78569		78570		1.1/16			
78571		78572		1.1/8	95		900
78573		78574		1.3/16			
78575		78576		1.1/4			
78577		78578		1.5/16			
78579		78580		1.3/8			
78581		78582		1.7/16			
78583		78584		1.1/2	100		1100
78585		78586		1.5/8			1150
78587		78588		1.3/4			
78589		78590		1.13/16			1200
78591		78592		1.7/8			
78593		78594		2			1700



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

- 1"
- STANDARD
- MM
- 6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
72330	Cu-Be	72331	Al-Bron	19	60	6	650
72332		72333		21			
72334		72335		22			700
72336		72337		24			
72338		72339		26			
72340		72341		27			
72342		72343		29			
72344		72345		30			750
72346		72347		32			
72348		72349		34	70		800
72350		72351		35			850
72352		72353		36			
72354		72355		38			900
72356		72357		41			
72358		72359		46	80		1200
72360		72361		50			1500
72362		72363		52	90		1700
72364		72365		55			1800
72366		72367		58			1900
72368		72369		60			2000
72370		72371		65			2300
72372		72373		70			2700
72374		72375		75			3000
72376		72377		80			3300
79845		79846		85			3500
79847		79848		90	100		3700
79869		79870		95			4000
79871		79872		100			4500
79873		79874		105	110		5500
79875		79876		110			5750
79877		79878		115	115		7000

- 12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75900	Cu-Be	75901	Al-Bron	19	60	12	650
75902		75903		21			
75904		75905		22			700
75906		75907		24			
75908		75909		26			
75910		75911		27			
75912		75913		29			
75914		75915		30			750
75916		75917		32			
75918		75919		34	70		800
75920		75921		35			850
75922		75923		36			
75924		75925		38			900
75926		75927		41			
75928		75929		46	80		1200
75930		75931		50			1500
75932		75933		52	90		1700
75934		75935		55			1800
75936		75937		58			1900
75938		75939		60			2000
75940		75941		65			2300
75942		75943		70			2700
75944		75945		75			3000
75946		75947		80			3300



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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1"

STANDARD

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
79837	Cu-Be	79838	Al-Bron	3/4	60	6	650
79849		79850		7/8	55		700
79851		79852		1			
79853		79854		1.1/16			750
78081		78082		1.1/8	60		
79855		79856		1.3/16			800
78083		78084		1.1/4			
78085		78086		1.5/16			
79857		79858		1.3/8			
79859		79860		1.7/16			
78087		78088		1.1/2	65		850
78089		78090		1.5/8			950
79865		79866		1.11/16			900
79861		79862		1.3/4	70		1350
78091		78092		1.13/16			1400
79863		79864		1.7/8			
79867		79868		1.15/16	75		
78093		78094		2			1450
78095		78096		2.1/8			1850
78097		78098		2.3/8	85		2200
78099		78100		2.9/16			2450
78101		78102		2.3/4	90		2900
78103		78104		2.15/16			3150
78105		78106		3.1/8			3550

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78107	Cu-Be	78108	Al-Bron	1.1/8	60	12	800
78109		78110		1.1/4	65		900
78111		78112		1.5/16			
78113		78114		1.1/2	70		1050
78115		78116		1.5/8			
78117		78118		1.13/16	75		1500
78119		78120		2	80		2050
78121		78122		2.1/8	85		2300
78123		78124		2.3/8	90		2700
78125		78126		2.9/16	95		2950
78127		78128		2.3/4			3150
78129		78130		2.15/16			3350
78131		78132		3.1/8			3550



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78595	Cu-Be	78596	Al-Bron	19	100	6	900
78597		78598		21			950
78599		78600		22			
78601		78602		24			1000
78603		78604		26			1050
78605		78606		27			
78607		78608		29			1150
78609		78610		30			
78611		78612		32			1250
78613		78614		34			1300
78615		78616		35			1350
76853		76854		36			1400
78617		78618		38			1450
78619		78620		41			1500
78621		78622		46	115		2200
78623		78624		50			2300
78625		78626		52	125		2650
78627		78628		55			2700
78629		78630		58			100
78631		78632		60			3000
78633		78634		65	135		3950
78635		78636		70			
78637		78638		75	140		4750
78639		78640		80			4800

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78667	Cu-Be	78668	Al-Bron	19	100	12	900
78669		78670		21			950
78671		78672		22			
78673		78674		24			1000
78675		78676		26			1050
78677		78678		27			
78679		78680		29			1150
78681		78682		30			
78683		78684		32			1250
78685		78686		34			1300
78687		78688		35			1350
78689		78690		36			1400
78691		78692		38			1450
78693		78694		41			1500
78695		78696		46	115		2200
78697		78698		50			2300
78699		78700		52	125		2650
78701		78702		55			2700
78703		78704		58			2950
78705		78706		60			3000
78707		78708		65	135		3950
78709		78710		70			
78711		78712		75	140		4750
78713		78714		80			4800



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1"

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INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78641	Cu-Be	78642	Al-Bron	1.1/8	100	6	1150
78643		78644		1.1/4			1300
78645		78646		1.5/16			
78647		78648		1.1/2			1450
78649		78650		1.5/8			1500
78651		78652		1.13/16	115		2200
78653		78654		2			2300
78655		78656		2.1/8	125		2700
78657		78658		2.3/8			3000
78659		78660		2.9/16	135		3950
78661		78662		2.3/4			
78663		78664		2.15/16	140		4700
78665		78666		3.1/8			4800

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78715	Cu-Be	78716	Al-Bron	1.1/8	100	12	1150
78717		78718		1.1/4			1300
78719		78720		1.5/16			
78721		78722		1.1/2			1450
78723		78724		1.5/8			1500
78725		78726		1.13/16	115		2200
78727		78728		2			2300
78729		78730		2.1/8	125		2700
78731		78732		2.3/8			3000
78733		78734		2.9/16	135		3950
78735		78736		2.3/4			
78737		78738		2.15/16	140		4700
78739		78740		3.1/8			4800



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
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- **1.1/2"**
- **STANDARD**
- **MM**
- **6 PT.**



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78133		78134		34			
78135		78136		36	80		2200
78137		78138		38			
78139		78140		41			
78141		78142		46	85		2400
78143		78144		48			2450
78145		78146		50			2600
78147		78148		54	90		2650
78149		78150		55			
78151	Cu-Be	78152	Al-Bron	60		6	3050
78153		78154		65	95		3350
78155		78156		70			3800
78157		78158		75	100		4100
78159		78160		80			4800
78161		78162		85	110		5600
78163		78164		90	125		6850
78165		78166		95	130		7650
78167		78168		100	135		8200
78169		78170		105	140		8800

- **12 PT.**



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78211		78212		34			
78213		78214		36	80		2200
78215		78216		38			
78217		78218		41			
78219		78220		46	85		2400
78221		78222		48			2450
78223		78224		50			2600
78225		78226		54	90		2650
78227		78228		55			
78229	Cu-Be	78230	Al-Bron	60	95	12	3050
78231		78232		65	100		3350
78233		78234		70	105		3800
78235		78236		75	110		4100
78237		78238		80	115		4800
78239		78240		85	120		5600
78241		78242		90	125		6850
78243		78244		95			7650
78245		78246		100	130		8200
78247		78248		105			8800



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

- **1.1/2"**
- **STANDARD**
- **INCH**
- **6 PT.**



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78171	Cu-Be	78172	Al-Bron	1.3/8	80	6	2200
78173		78174		1.5/8			
78175		78176		1.13/16	85		2400
78177		78178		2	90		2600
78179		78180		2.1/8			2650
78181		78182		2.3/8	95		3050
78183		78184		2.1/2			3300
78185		78186		2.9/16	100		3350
78187		78188		2.5/8			3400
78189		78190		2.3/4	105		3800
78191		78192		2.15/16	110		4100
78193		78194		3			4200
78195		78196		3.1/8	115		4800
78197		78198		3.3/8	120		5600
78199		78200		3.1/2	125		6700
78201		78202		3.3/4	130		7650
78203		78204		3.15/16			8200
78205		78206		4			
78207		78208		4.1/8			8800
78209		78210		4.1/2			10000

- **12 PT.**



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78249	Cu-Be	78250	Al-Bron	1.3/8	80	12	2200
78251		78252		1.5/8			
78253		78254		1.13/16	85		2400
78255		78256		2	90		2600
78257		78258		2.1/8			2650
78259		78260		2.3/8	95		3050
78261		78262		2.1/2			3300
78263		78264		2.9/16	100		3350
78265		78266		2.5/8			3400
78267		78268		2.3/4	105		3800
78269		78270		2.15/16	110		4100
78271		78272		3			4200
78273		78274		3.1/8	115		4800
78275		78276		3.3/8	120		5600
78277		78278		3.1/2	125		6700
78279		78280		3.3/4	130		7650
78281		78282		3.15/16			8200
78283		78284		4			
78285		78286		4.1/8			8800
78287		78288		4.1/2			10000



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
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2.1/2"

STANDARD

MM

6 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78289	Cu-Be	78290	Al-Bron	75	140	6	8400
78291		78292		80			8700
78293		78294		85			8900
78295		78296		90	150		10250
78297		78298		95			10500
78299		78300		100			11300
78301		78302		105			12200
78303		78304		110			13250
78305		78306		115			14150
78307		78308		120			15050
78309		78310		125			15950

12 PT.



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78333	Cu-Be	78334	Al-Bron	75	140	12	8400
78335		78336		80			8700
78337		78338		85			8900
78339		78340		90	150		10250
78341		78342		95			10500
78343		78344		100			11300
78345		78346		105			12200
78347		78348		110			13250
78349		78350		115			14150
78351		78352		120			15050
78353		78354		125			15950

INCH

6 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78311	Cu-Be	78312	Al-Bron	2.15/16	140	6	8400
78313		78314		3.1/8			8700
78315		78316		3.3/8			8900
78317		78318		3.1/2	150		10100
78319		78320		3.3/4			10500
78321		78322		3.15/16			11300
78323		78324		4.1/8			12250
78325		78326		4.5/16			12700
78327		78328		4.1/2			14200
78329		78330		4.3/4			15100
78331		78332		4.15/16			16000

12 PT.



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78355	Cu-Be	78356	Al-Bron	2.15/16	140	12	8400
78357		78358		3.1/8			8700
78359		78360		3.3/8			8900
78361		78362		3.1/2	150		10100
78363		78364		3.3/4			10500
78365		78366		3.15/16			11300
78367		78368		4.1/8			12250
78369		78370		4.5/16			12700
78371		78372		4.1/2			14200
78373		78374		4.3/4			15100
78375		78376		4.15/16			16000



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ALARGADERA DE IMPACTO / *IMPACT EXTENSION* / RALLONGE À CHOC / *KRAFTSCHRAUBER-VERLÄNGERUNG* / PROLUNGA IMPACT / *EXTENSÃO DE IMPACTO* / УДАРНЫЙ УДЛИНИТЕЛЬ



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
78377	Cu-Be	78378	Al-Bron	1/2	75	155
78379		78380			125	240
78381		78382		3/4		550
78383		78384			250	1100
78385		78386		1	150	
78387		78388			300	2200

ADAPTADOR DE IMPACTO / *IMPACT ADAPTER* / ADAPTATEUR À CHOC / *IMPACT STECKCHLÜSSEL EINSATZ* / ADATTATORE AD URTO / *ADAPTADOR DE IMPACTO* / УДАРНЫЙ ПЕРЕХОДНИК



COD.	MAT.	COD.	MAT.	AF inch AF inch	g
76711	Cu-Be	76712	Al-Bron	1/2-3/4	230
76495		76492		3/4-1/2	350
76713		76714		3/4-1	460
76715		76716		1-3/4	700
36202		36207		1-1.1/2	1550
73740		73743		1.1/2-1	3150

ARTICULACIÓN UNIVERSAL DE IMPACTO / *IMPACT UNIVERSAL JOINT* / CARDAN UNIVERSAL POUR DOUILLE IMPACTE / *KRAFTSCHRAUBER-UNIVERSAL-GELENK* / SNODO CARDANICO IMPACT / *CARDAN UNIVERSAL DE IMPACTO* / УДАРНОЕ УНИВЕРСАЛЬНОЕ СОЕДИНЕНИЕ



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
76518	Cu-Be	76519	Al-Bron	1/2	90	180
76520		76521		3/4	110	320
76522		76525		1	125	950

PASADOR DE SEGURIDAD / *SAFETY PIN* / GOUPILLE DE SECURITE / *SICHERUNGSSTIFT* / COPPIGLIA / *PINO DE SEGURANÇA* / ФИКСИРУЮЩИЙ ПАЛЕЦ





COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Ø x L (mm)	g
73711	Cu-Be	73716	Al-Bron	1/2	8-14	4 x 20	2,1
73721		73733			15-50	4 x 25	2,3
36578		36582		1.1/2	34-105	7 x 75	20
36579		36583			35-108		
36580		36584			7-114	7 x 105	28
36581		36585			75-125		35
73621		73622		3/4	24-30	6 x 30	10
73623		73624			32-50	6 x 40	
73625		73626		1	19-41	6 x 50	15
73627		73628			46-80	6 x 60	20



Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" para zonas ATEX - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive for ATEX zones - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" pour zones ATEX - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVES ESPECIALES / *SPECIAL WRENCHES* / CLÉS SPÉCIALES / *SPEZIELL ZANGEN* / CHIAVE SPECIALE / *CHAVES ESPECIAIS* / СПЕЦИАЛЬНЫЕ КЛЮЧИ

LLAVE DE VÁLVULA TIPO "Q" / *"Q" VALVE SPANNER* / CLÉ POUR VALVE TYPE "Q" / *"Q" TYP VENTILSCHLÜSSEL* / CHIAVE A VALVOLA TIPO "Q" / *CHAVE DE VÁLVULAS TIPO "Q"* / КЛАПАННЫЙ КЛЮЧ ТИП "Q"

COD.	MAT.	COD.	MAT.	L (mm)	Ø x (inch)	g
79961	Al-Bron	79960	Cu-Be	370	1.3/8"	600
79963		79962		430	1.7/8"	950
79965		79964		550	2.7/16"	2700



LLAVE EN "C" / *C WRENCH* / CLÉ EN C / *C SCHLÜSSEL* / CHIAVE A C / *CHAVE EM C* / С-ОБРАЗНЫЙ КЛЮЧ

COD.	MAT.	COD.	MAT.	L (mm)	mm	g
72418	Cu-Be	72419	Al-Bron	450	40	1100



LLAVE EN "C" DOBLE / *DOUBLE C WRENCH* / CLÉ EN DOUBLE C / *DOPPEL C SCHLÜSSEL* / CHAIVE DOPPIA A C / *CHAVE EM C DUPLA* / ДВОЙНОЙ С-ОБРАЗНЫЙ КЛЮЧ

COD.	MAT.	COD.	MAT.	L (mm)	mm	mm	g
72420	Cu-Be	72421	Al-Bron	200	14,5	18,5	380



LLAVE DE VALVULA TIPO "F" / *"F" TYPE VALVE WRENCH* / CLÉ POUR VALVE TYPE "F" / *"F" TYP VENTILSCHLÜSSEL* / CHIAVE A VALVOLA TIPO "F" / *CHAVE DE VÁLVULAS TIPO "F"* / КЛАПАННЫЙ КЛЮЧ ТИП "F"

COD.	MAT.	COD.	MAT.	L (mm)	mm	Kg
36232	Cu-Be	36233	Al-Bron	250	25	

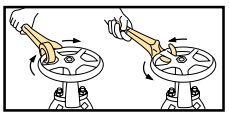


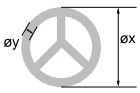
GANCHO GIRADOR DE VÁLVULAS / *VALVE WHEEL HOOK* / FIXATION GIRATOIRE DE VALVE / *VENTILHAKEN* / GANCIO GIREVOLE PER VALVOLE / *GANCHO DE RODA VÁLVULAS* / КЛЮЧ ДЛЯ ОТКРЫТИЯ КЛАПАНОВ

COD.	MAT.	COD.	MAT.	L (mm)	mm	g
72422	Cu-Be	72423	Al-Bron	200	30	250
72424		72425		300	32	500
72426		72427			35	350
72428		72429			40	450
72430		72431		350	45	550
72432		72433		375	48	600
72434		72435		400	50	650
72436		72437		450	55	900
72438		72439		500	60	1150
72440		72441		550	65	1300
72442		72443		600	70	1400
72444		72445		650	75	1600
72446		72447		700	80	1700
72448		72449		750	85	2100
72450		72451		800	90	2200



LLAVE DE VÁLVULA LARGA / *LONG VALVE WRENCH* / CLÉ POUR LONGUES VALVES / *LANGER VENTIL-SCHLÜSSEL* / CHIAVE LARGA PER VALVOLE / *CHAVE DE VALVULA LONGA* / КЛЮЧ ДЛЯ ОТКРЫТИЯ КЛАПАНОВ ДЛИННЫЙ



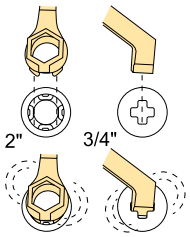


COD.	MAT.	COD.	MAT.	L (mm)	Ø x (inch)	Ø y (mm)	g
71432	Cu-Be	71435	Al-Bron	210	3-7	< 36	400
71433		71436		400	8-15	< 48	900
71434		71437		490	16-20	< 60	1400
71441		71445		800			4600



Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

LLAVE TAPONADORA / *BUNG WRENCH* / CLÉ OUVRE-BIDONS / *PFROPFEN-SCHLÜSSEL* / CHIAVE APRIFUSTI / *CHAVE ABRE BIDÖES* / ОТКРЫВАТЕЛЬ ПРОБОК



COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	g
71446	Cu-Be	71447	Al-Bron	300	2-3/4	800



LLAVE TAPONADORA UNIVERSAL / *MUTI-HEAD BUNG WRENCH* / CLÉ UNIVERSELLE À BOUCHON / *MULTI-HEAD FASSSCHLÜSSEL* / CHIAVE A TAPPO UNIVERSALE / *CHAVE DE BUJÕES UNIVERSAL* / ОТКРЫВАТЕЛЬ ПРОБОК С ГОЛОВКОЙ МУТИ

COD.	MAT.	COD.	MAT.	L (mm)	g
72452	Cu-Be	72453	Al-Bron	385	1200

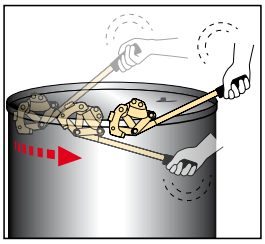


LLAVE TAPONADORA ESPECIAL / *SPECIAL BUNG WRENCH* / CLÉ SPECIAL À BOUCHON / *SPECIAL FASSSCHLÜSSEL* / CHIAVE A TAPPO SPECIALE / *CHAVE DE BUJÕES SPECIAL* / ОТКРЫВАТЕЛЬ ПРОБОК С ГОЛОВКОЙ МУТИ

COD.	MAT.	COD.	MAT.	L (mm)	g
36393	Cu-Be	76062	Al-Bron	256	850



ABREBIDONES / *DRUM OPENER* / OUVRES BIDONS / *FASSÖFFNER* / APRITOIO A TAMBURO / *ABRE BIDONS* / ОТКРЫВАТЕЛЬ БОЧЕК



COD.	MAT.	COD.	MAT.	L (mm)	Kg	
74282	Cu-Be	74283	Al-Bron	485	3,0	1



ABRIDOR DE TONELES DE CARBURO / *CARBIDE DRUM OPENER* / OUVRE BARIL DE CARBURANT / *KARBID-TROMMELÖFFNER* / APRIFUSTI PER BARILI DI CARBURO / *UTENSÍLIO PARA ABERTURA DE TAMBORES DE CARBONETO* / ИСКРОБЕЗОПАСНЫЙ НОЖ ДЛЯ ВСКРЫТИЯ БОЧЕК С КАРБИДОМ

COD.	MAT.	COD.	MAT.	L (mm)	g
72169	Cu-Be	72170	Al-Bron	280	650



LLAVE DE GANCHO / *HOOK SPANNER* / CLÉ À ERGOT / *ECKZANGE* / CHIAVE A SETTORE / *CHAVE DE GANCHO* / КЛЮЧ КРЮК

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (mm)	g
71392	Cu-Be	71409	Al-Bron	105	12 - 14	40
71393		71410		110	16 - 20	50
71394		71411		130	25 - 28	80
71395		71412		170	30 - 32	100
71396		71413			34 - 36	
71397		71414			40 - 42	150



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (mm)	g
71398	Cu-Be	71415	Al-Bron	200	45 - 50	200
71399		71416			52 - 55	
71400		71417		230	58 - 62	
71401		71418		250	68 - 75	500
71402		71419		280	80 - 90	600
71403		71420		300	90 - 100	700
71404		71421		310	95 - 100	800
71405		71422		330	100 - 110	
71406		71423			110 - 115	900
71407		71424		340	120 - 130	
71408		71425		350	135 - 145	

LLAVE DE GANCHO ARTICULADA / *ADJUSTABLE HOOK SPANNER* / **CLÉ À ERGOT ARTICULEE** / *ZANGE MIT VERSTELLBARE BACKE* / **CHIAVE A SETTORE REGOLABILE** / *CHAVE DE GANCHO ARTICULADA* / **РУГУЛИРУЕМЫЙ КЛЮЧ КРЮК**

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (mm)	g
71426	Cu-Be	71429	Al-Bron	210	32-75	200
71427		71430		280	50-120	500
71428		71431		310	115-170	



HERRAMIENTA PARA TUBO / *PIPE TOOLS* / **OUTILLAGE TUBE** / *ROHR WERKZEUGE* / **FERRAMENTI PER TUBI** / *FERRAMENTA PARA TUBOS* / **ТРУБНЫЕ КЛЮЧИ**

LLAVE HEAVY DUTY / *HEAVY DUTY PIPE WRENCH* / **CLÉ SERRE-TUBES H.D.** / *EINHAND-ROHRZANGEN* / **GIRATUBI MODELLO AMERICANO PESANTE** / *CHAVE HEAVY DUTY* / **ТРУБНЫЙ КЛЮЧ ДЛЯ ТЯЖЕЛЫХ РАБОТ**

COD.	MAT.	COD.	MAT.	L (inch)	CAP. (inch)	Kg
70121	Cu-Be	71458	Al-Bron	8	1	0,3
70122		71459		10	1.1/2	0,8
70123		71460		12	2	1,3
70124		71461		14		1,7
70125		71462		18	2.1/2	2,6
70126		71463		24	3	4,5
70127		71464		36	5	9,0
70128		71465		48	6	16



LLAVE PICO PATO / *OFFSET PIPE WRENCH 90°* / **CLÉ SERRE TUBE 90°** / *ECKROHRZANGE 90°* / **GIRATUBO 90°** / *CHAVE BICO DE PATO* / **КОЛЕНЧАТЫЙ ТРУБНЫЙ КЛЮЧ**

COD.	MAT.	COD.	MAT.	L (inch)	CAP. (mm)	Kg
36305	Cu-Be	36310	Al-Bron	8	34	0,5
36306		36311		10	48	0,8
36307		36312		12	50	1,1
36308		36313		15	60	1,9
36309		36314		18	76	2,6



LLAVES SUECAS / *SWEDISH PIPE WRENCHES* / **CLÉS SERRE-TUBES SUEDOISES** / *ECROHRZANGE* / **GIRATUBI MOD. SUEDESE** / *CHAVES PARA TUBOS SUECAS* / **ТРУБНЫЕ ШВЕДСКИЕ КЛЮЧИ**

LLAVE SUECA 45° / *SWEDISH PIPE WRENCH 45°* / **SERRE-TUBES SUEDOISE 45°** / *EKROHRZANGE 45°* / **GIRATUBI MOD. SUEDESE 45°** / *CHAVE SUECA 45°* / **ШВЕДСКИЙ КЛЮЧ S 45°**

COD.	MAT.	COD.	MAT.	CAP. (inch)	L (mm)	Kg
70129	Cu-Be	71466	Al-Bron	1.1/2	420	1,4
70130		71467		2	550	2,5
79821		79824			700	4,5



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE SUECA 90º / *SWEDISH PIPE WRENCH 90º* / CLÉ SERRE-TUBES SUEDOISE 90º / *ECKROHRZANGE 90º* / GIRATUBI MOD. SVEDESE 90º / *CHAVE SUECA 90º* / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ 90º

COD.	MAT.	COD.	MAT.	CAP. (inch)	Kg
79822	Cu-Be	79825	Al-Bron	2	2,5
79823		79826		3	4,5



LLAVE SPUD / *SPUD PIPE WRENCH* / CLÉ SPUD / *VERSTELLBARE ROHRZANGE* / GIRATUBI MODELLO SPUD / *CHAVE PARA TUBO SPUD* / ТРУБНЫЙ КЛЮЧ С ПАРАЛЛЕЛЬНЫМИ ГУБКАМИ

COD.	MAT.	COD.	MAT.	L (inch)	CAP. (mm)	Kg
71822	Cu-Be	71823	Al-Bron	12	58	1,2



LLAVE DE CORREA / *STRAP WRENCH* / CLÉ À SANGLE / *GURTROHRZANGE* / GIRATUBI A NASTRO / *CHAVE DE CORREIA* / РЕМЕШКОВЫЙ КЛЮЧ

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	g
73906	Cu-Be	73907	Al-Bron	300	3	800



LLAVE DE CADENA / *CHAIN PIPE WRENCH* / CLÉ À CHAINE / *KETTEN-ROHRZANGE* / GIRATUBI A CATENA / *CHAVE CORRENTE* / ЦЕПНОЙ КЛЮЧ

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	Kg
72976	Cu-Be	72977	Al-Bron	600	4	3,8
72978		72979			6	4,2
72980		72981		900	8	8,5
72982		72983			12	9,5



COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	Kg
70131	Cu-Be	71468	Al-Bron	600	2	2,2
70132		71469			4	2,8
70133		71470			6	3,5



CORTATUBOS / *PIPE CUTTER* / COUPE-TUBES / *ROHRABSCHNEIDER* / TAGLIATUBI / *CORTA TUBOS* / ТРУБОРЕЗ ДЛЯ СТАЛИ

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	H (mm)	Kg
70134	Cu-Be	71471	Al-Bron	380	2	60	2,4

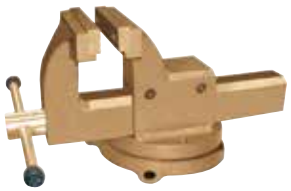


COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	H (mm)	Kg
74327	Cu-Be	74330	Al-Bron	740	4-6	280	12,3
74340		74343		860	8-12	465	21



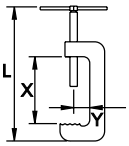
TORNILLO DE BANCO PARALELO / *PARALLEL BENCH VICE* / ÉTAU À MORS PARALLELES / *PARALLELSCHRAUBSTÖCKE* / MORSA DA BANCO PARALLELA / *TORNO DE BANCADA PARALELO* / СЛЕСАРНЫЕ ТИСКИ

COD.	MAT.	COD.	MAT.	inch	mm	Kg
70482	Cu-Be	71636	Al-Bron	4	100	15
70483		71637		5	140	18
70486		72191		6	150	27
70487		72192		7	170	28



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

PRENSA / *CLAMP* / PRESSE / *KNEBEL* / MORSETTO / *PRENSA* / СТРУБЦИНА



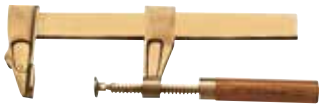
COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
72478	Cu-Be	72479	Al-Bron	210	60	36	1200
72480		72481		250	80		1400
72482		72483		290	100		1600
72484		72485		340	150	50	2000
73418		73425		400	250	150	4900



SARGENTOS / *CLAMPS* / SERRE-JOINTS / *ZWINGEN* / MORSETTI SERRAGIUNTI / *GRAMPOS* / СТРУБЦИНЫ

MOD. F

COD.	MAT.	COD.	MAT.	CAP. (mm)	g
74250	Cu-Be	74251	Al-Bron	400	2200



DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *SCHRAUBENDREHER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

MECÁNICO / *SLOTTED* / MECANICIEN / *WERSTATT* / PER MECCANICI / *MECÂNICO* / ПЛОСКАЯ



COD.	MAT.	COD.	MAT.	mm	mm	mm	g
72258	Cu-Be	72279	Al-Bron	50	3	80	35
72259		72280			4,5		43
72260		72281		75	3		35
72261		72282			4		45
72262		72283			5	103	70
72263		72284		100	4	82	45
72264		72285			5	103	75
72265		72286					85
72266		72287		125	6	112	100
72267		72288		150			110
72268		72289			7		125
72269		72290			8		140
72270		72291		200			165
72271		72292		250	9		185
72272		72293		200	10		260
72273		72294		300			230
72274		72295		250	11		240
72275		72296		300			290
72276		72297		350			320



COD.	MAT.	COD.	MAT.	mm	mm	mm	g
72277	Cu-Be	72298	Al-Bron	400	12	150	400
72278		72299		450	13		480

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ



COD.	MAT.	COD.	MAT.	mm	mm	mm	g
74756	Cu-Be	74757	Al-Bron	50	2,5	84	36
71581		71588			3	75	50
76480		76481		100		84	
71582		71589			4		70
71583		71590		150		75	80
72306		72308		100	5		100
72307		72309		200			200
74758		74759		100	5,5	115	100
71584		71591			6	95	
75268		75269		150	7	115	
71585		71592			8		200
71586		71593		200	10	105	
71587		71594		300			300

PHILLIPS®*



COD.	MAT.	COD.	MAT.		mm	mm	g
72909	Cu-Be	72910	Al-Bron	PH-0	60	75	40
71595		71599		PH-1	80		50
76486		76487			100	105	70
71596		71600		PH-2		95	
76488		76489			125	115	100
71597		71601		PH-3	150	95	80
71598		71602		PH-4	200	105	100

POZIDRIV®*



COD.	MAT.	COD.	MAT.		mm	mm	g
74336	Cu-Be	74337	Al-Bron	PZ-0	50	82	35
74347		74348		PZ-1	75		40
72247		72246		PZ-2	100		80
72249		72248		PZ-3	150	112	135
74365		74366		PZ-4	200		210

TORX®*



COD.	MAT.	COD.	MAT.		mm	mm	g
35714	Cu-Be	35715	Al-Bron	T 10	75	98	67
35716		35717		T 15			71
35718		35719		T 20	100		98
74367		74368		T 25	125	108	103
35720		35721		T 27	150		108
35722		35723		T 30			
35724		35725		T 40	200	120	160
35726		35727		T 45	250		180

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

TAMPER TORX

COD.	MAT.	COD.	MAT.		mm	mm	g
35700	Cu-Be	35701	Al-Bron	TT 10	75	98	67
35702		35703		TT 15			71
35704		35705		TT 20	100		98
74349		74350		TT 25	125	108	103
35706		35707		TT 27	150		108
35708		35709		TT 30			
35710		35711		TT 40	200	120	160
35712		35713		TT 45	250		180



DE VASO HEXAGONAL / *HEXAGONAL SOCKET* / DOUILLE HEXAGONALE / *SCHRAUBENDREHER EINSATZ HEX* / BUSSOLE ESAGONALI / *CHAVE DE CAIXA HEXAGONAL* / ШЕСТИГРАННАЯ ГОЛОВКА

COD.	MAT.	COD.	MAT.	mm	mm	mm	g
73879	Cu-Be	73880	Al-Bron	6	90	100	85
73878		73891		7	100	110	95
73881		73882		8			100
73883		73884		10	110		140
73885		73886		13		120	180
73887		73888		16	120		220
73889		73890		17			230



SET

6 PCS.

COD.	MAT.	PCS.	mm	
76465	Cu-Be	6	3 x 50 (72258), 4 x 100 (72263), 5 x 100 (72264), 8 x 150 (72269)	PH-1 (71595), PH-2 (71596)
76466	Al-Bron		3 x 50 (72279), 4 x 100 (72284), 5 x 100 (72285), 8 x 150 (72290)	PH-1 (71599), PH-2 (71600)

COD.	MAT.	PCS.	mm	
76467	Cu-Be	6	3 x 50 (71581), 4 x 100 (71582), 5 x 100 (72306), 8 x 150 (71585)	PH-1 (71595), PH-2 (71596)
76468	Al-Bron		3 x 50 (71588), 4 x 100 (71589), 5 x 100 (72308), 8 x 150 (71592)	PH-1 (71599), PH-2 (71600)



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

8 PCS.

COD.	MAT.	PCS.	mm		
76469	Cu-Be	8	3 x 50 (72258), 4 x 100 (72263), 5 x 100 (72264), 6 x 100 (72265)	PH-1 (71595), PH-2 (71596)	PZ-1 (74347), PZ-2 (72247)
76470	Al-Bron		3 x 50 (72279), 4 x 100 (72284), 5 x 100 (72285), 6 x 100 (72286)	PH-1 (71599), PH-2 (71600)	PZ-1 (74348), PZ-2 (72246)

COD.	MAT.	PCS.	mm		
76471	Cu-Be	8	3 x 50 (71581), 4 x 100 (71582), 5 x 100 (72306), 6 x 100 (71584)	PH-1 (71595), PH-2 (71596)	PZ-1 (74347), PZ-2 (72247)
76472	Al-Bron		3 x 50 (71588), 4 x 100 (71589), 5 x 100 (72308), 6 x 100 (71591)	PH-1 (71599), PH-2 (71600)	PZ-1 (74348), PZ-2 (72246)

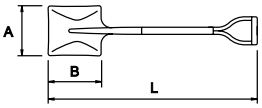


DESTORNILLADOR ACODADO / *OFFSET SCREWDRIVER* / TOURNEVIS CONTRE COUDÉ / *WINKELSCHRAUBENDREHER* / CACCIAVITE A SQUADRA / *CHAVE DE PARAFUSOS ANGULAR* / КОЛЕНЧАТАЯ ОТВЕРТКА

COD.	MAT.	COD.	MAT.	L (mm)	mm	g
74301	Cu-Be	74302	Al-Bron	125	4	50
72462		72463		72	6	25
72464		72465		125	8	50
72466		72467		195	10	125



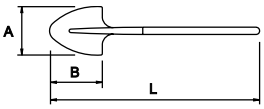
PALAS Y RASTRILLOS / *SHOVELS AND RAKES* / PELLES ET RÂTEAUX / *SCHAUFEL UND RECHEN* / PALE E RASTRELLI / *PÁS E ANSINHOS* / ЛОПАТЫ И ГРАБЛИ



COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
71615	Cu-Be	71616	Al-Bron	1350	240	290	1500



PALA PUNTA / *ROUND POINT SHOVEL* / PELLE EN POINTE / *SCHWANENHALSSCHAUFEL* / PALA A PUNTA TONDA / *PA DE BICO* / САДОВАЯ ЛОПАТА

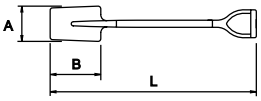


COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
71617	Cu-Be	71618	Al-Bron	1350	240	290	1500



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

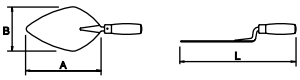
PALA DE CAVAR / *EDGING SPADE* / PELLE BÊCHE / *SCHAUFEL VIERECKING* / PALA PER SCAVARE / *PA DE VALAR* / СОВКОВАЯ ЛОПАТА



COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
71619	Cu-Be	71620	Al-Bron	1120	180	280	1500



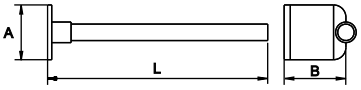
PALETA / *BRICKLAYER* / SPATULE / *MAUERKELLE* / PALETTA / *COLHER* / МАСТЕРОК



COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
73772	Cu-Be	73773	Al-Bron	335	210	130	650

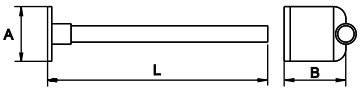


AZADA / *HOE* / PIOCHE / *HAUE* / ZAPPA / *ENXADA* / МОТЫГА



COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
74253	Cu-Be	74254	Al-Bron	900	130	130	1200
74255		74256			200	200	1800





COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
74252	Cu-Be	74249	Al-Bron	900	130	130	1000
36224		36225			200	200	1700



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

HORQUILLA 3 PUNTAS / *3 PRONG FORK* / FOURCHE À TROIS POINTES / *SPATENGABEL MIT 2 ZINKEN* / FORCA A 3 PUNTE / *FORQUILHA 3 PONTAS* / 3-ЗУБЬЕВЫЕ ВИЛЫ

COD.	MAT.	COD.	MAT.	L x W x H (mm)	g
74231	Cu-Be	74232	Al-Bron	1025 x 200 x 185	1500



HORQUILLA 4 PUNTAS / *4 PRONG FORK* / FOURCHE À QUATRE POINTES / *SPATENGABEL MIT 4 ZINKEN* / FORCA A 4 PUNTE / *FORQUILHA 4 PONTAS* / 4-ЗУБЬЕВЫЕ ВИЛЫ

COD.	MAT.	COD.	MAT.	L x W (mm)	g
74234	Cu-Be	74235	Al-Bron	1225 x 200	2000



COD.	MAT.	COD.	MAT.	L x W (mm)	g
74246	Cu-Be	74244	Al-Bron	900 x 200	2000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

37

ANTICHISPA
NON-SPARKING
ANTIDÉFLAGRANT
FUNKENFREI
ANTISCINTILLA
ANTI-DEFLAGRANTE
ИСКРОБЕЗОПАСНЫЙ

RASTRILLO LIMPIADOR DE OXIDO / *RUST CLEANING RAKE* / RÂTEAU POUR NETTOYAGE DE L'OXIDE / *RECHEN F* / ROST RASTRELLO PER PULIRE L'OSSIDO / *ANSINHO LIMPADOR DE OXIDO* / СКРЕБОК ДЛЯ УДАЛЕНИЯ РЖАВЧИНЫ

COD.	MAT.	COD.	MAT.	L x W x H (mm)	g
74237	Cu-Be	74238	Al-Bron	350 x 100 x 100	900



RASTRILLO / *RAKE* / RATEAU / *RECHEN* / RASTRELLO / *ANSINHO* / СКРЕБОК

COD.	MAT.	COD.	MAT.	L x W x H (mm)	g
74258	Cu-Be	74259	Al-Bron	1270 x 350 x 100	1300
74260		74261		1270 x 450 x 120	1500



CORTE / *CUTTING* / OUTILS COUPANTS / *SCHNEIDWERKZEUG* / ARCHETTI / *CORTE* / РЕЗКА

CORTAVARILLAS / *BOLT CUTTERS* / COUPE-BOULONS / *BOLZENSCHNEIDER* / TAGLIABULLONI / *CORTA VARAO* / АРМАТУРНЫЕ НОЖНИЦЫ

COD.	MAT.	COD.	MAT.	L (inch)	CAP 50 kg/mm² 100 kg/mm²	g
73876	Cu-Be	74216	Al-Bron	12	4-2	1450
73908		74221		14	5-3	1600
73939		74224		18	6-4	2500
73415		73423		24	8-5	3000



COD.	MAT.	COD.	MAT.	L (inch)
36278	Cu-Be	36279	Al-Bron	12
36280		36281		14
36282		36283		18
35760		35761		24



CIZALLA DE PASO LIBRE A LA DERECHA / *RIGTH CUT NIPPER SHEAR* / CISAILLE COUPE DROITE / *SCHNEIDSCHERE RECHTS* / CESOIA TAGLIO DESTRO / *TESOURA DE PASSAGEM LIVRE A DIREITA* / НОЖНИЦЫ ПРАВОЙ РЕЗКИ

COD.	MAT.	COD.	MAT.	L (mm)	g
70528	Cu-Be	70545	Al-Bron	275	600



TIJERAS / *TIN SNIPS* / CISAILLES / *BLECHSCHERE* / FORBICI / *TESOURAS* / НОЖНИЦЫ ДЛЯ ЖЕСТИ

COD.	MAT.	COD.	MAT.	L (mm)	g
70529	Cu-Be	70546	Al-Bron	225	300



COD.	MAT.	COD.	MAT.	L (mm)	g
72460	Cu-Be	72461	Al-Bron	150	90



COD.	MAT.	COD.	MAT.	L (mm)	g
73892	Cu-Be	73893	Al-Bron	290	220
73894		73895		360	850



TIJERAS DE HOJALATERO / *TIN SNIPS* / CISEAUX DE TOLIER / *BLECHSCHEREN* / CESOIA PER LATTONNIERI / *TESOURAS DE CHAPA* / НОЖНИЦЫ ПО ЖЕСТИ

COD.	MAT.	COD.	MAT.	L (mm)	g
72458	Cu-Be	72459	Al-Bron	300	450



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ARCO DE SIERRA / *HACK SAW* / MONTURE DE SCIE À METAUX / *METALLSÄGEN GEBOGEN* / ARCHETTI / *ARCO DE SERRA* / НОЖОВКА

COD.	MAT.	COD.	MAT.	L (mm)	g
72220	Cu-Be	72221	Al-Bron	500	600



HOJAS PARA ARCO DE SIERRA / *HACKSAW BLADES* / LAMES DE SCIES / *METALLSÄGEBLÄTTER* / LAME PER ARCHETTI / *FOLHA DE SERRA* / ПОЛОТНА ДЛЯ НОЖОВКИ

COD.	MAT.	L (mm)	TPI	g
72223	Cu-Be	300	18	35

SIERRA MANUAL / *HANDSAW* / SCIE À MAIN / *HANDSÄGE* / ARCO MANUALE / *SERROTE MANUAL* / НОЖОВКА

COD.	MAT.	COD.	MAT.	L (mm)	g
72468	Cu-Be	72469	Al-Bron	370	125



SERRUCHO / *HANDSAW* / SCIE ÉGOÏNE / *HANDSÄGE* / SEGHETTO / *SERROTE* / НОЖОВКА

COD.	MAT.	COD.	MAT.	L (mm)	g
74228	Cu-Be	74229	Al-Bron	700	550



CUCHILLOS / *KNIVES* / COUTEAUX / *MESSER* / COLTELLI / *FACAS* / НОЖИ

COD.	MAT.	COD.	MAT.	L (mm)	g
71611	Cu-Be	71612	Al-Bron	30 x 200	70



COD.	MAT.	COD.	MAT.	L (mm)	g
71613	Cu-Be	71614	Al-Bron	250	90



NAVAJA DE ELECTRICISTA / *ELECTRICIAN KNIFE* / COUTEAU ELECTRICIEN / *ELEKTRIKER MESSER* / COLTELLO PER ELETTRICISTI / *NAVALHA DE ELETRICISTA* / НОЖИ ДЛЯ ЭЛЕКТРИКА

COD.	MAT.	COD.	MAT.	L (mm)	g
73741	Cu-Be	73742	Al-Bron	60 x 115	180



BROCAS / *TWIST DRILL* / MÈCHES / *BOHRER* / PUNTE PER TRAPANO / *BROCAS* / СВЕРЛО

COD.	MAT.	O.D. mm	L (mm)	g
73632	Cu-Be	6	100	25
73633		7	120	35
73634		8	140	55
73635		9	160	80
73636		10	180	110
73637		11	200	150
73638		12	220	200
73639		13	240	250
73640		14	260	320
73641		15	280	400
73642		16	300	470
73643		17		540
73644		18	320	650
73645		19		720
73646		20	330	820



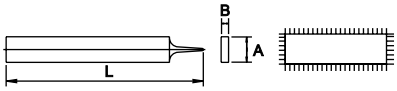
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para materiales con dureza < 20HRC / *For materials with hardness < 20HRC* / Pour les matériaux de dureté < 20HRC

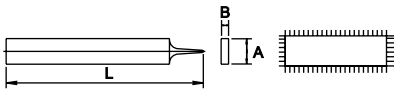
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LIMAS / *FILES* / LIMES / *FEILEN* / LIMA / *LIMAS* / НАПИЛЬНИКИ

LIMA PLANA / *HAND FILE* / LIME PLATE / *HANDFEILE* / LIMA PIATTA / *LIMA PARALELA* / РУЧНОЙ НАПИЛЬНИК



COD.	MAT.		L (mm)	A (mm)	B (mm)	g
71607	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	200	20	6	350
71608			300	31	8	750

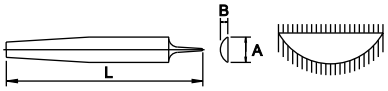


COD.	MAT.		L (mm)	A (mm)	B (mm)	g
72237	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	500	41	12	1800





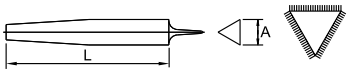
LIMAS MEDIA CAÑA / *HALF ROUND FILES* / LIMES DEMI-RONDES / *HALBRUND FEILEN* / LIMA MEZZATONDA / *LIMAS MEIA CANA* / ПОЛУКОУГЛЫЙ НАПИЛЬНИК



COD.	MAT.		L (mm)	A (mm)	B (mm)	g
71603	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	200	19	10	450



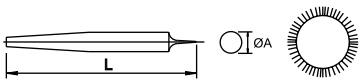
LIMA TRIANGULAR / *TRIANGULAR FILES* / LIMES TRIANGULAIRES / *DREIKANTFEILEN* / LIMA TRIANGOLARE / *LIMA TRIANGULAR* / ТРЕУГОЛЬНЫЕ НАПИЛЬНИКИ



COD.	MAT.		L (mm)	A (mm)	g
35566	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	200	12	115



LIMA REDONDA / *ROUND FILE* / LIME RONDE / *RUND FEILE* / LIME TONDE / *LIMATÃO REDONDO* / КРУГЛЫЙ НАПИЛЬНИК



COD.	MAT.		L (mm)	Ø A (mm)	g
71605	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	200	9	450



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

MISCELÁNEA / *MISCELLANEOUS* / DIVERS / *VERSCHIEDENE* / MISCELLANEA / *MISTURA* / РАЗНОЕ

CINCEL / *FLAT CHISEL* / CISEAU / *MAURERMEISSEL* / SCALPELLI / *ESCOPRO* / ПЛОСКОЕ ЗУБИЛО



COD.	MAT.	COD.	MAT.	L (mm)	g
70447	Cu-Be	71509	Al-Bron	150 x 22	240
70448		71510		200 x 22	310
35864		36029		220 x 23	430
79829		79832		225 x 20	300
70449		71511		250 x 24	500
72614		72622		300 x 24	600
70450		71512		300 x 25	700
79827		79830		305 x 13	210
70451		71513		400 x 27	1100
79828		79831		460 x 26	1200

CINCEL EN PUNTA / *CROSS CUTTING CHISEL* / BURIN / *DURCHSCHLAGMEISSEL* / SCALPELLI A PUNTA / *PONTEIRO* / ВЫРУБНОЕ ЗУБИЛО



COD.	MAT.	COD.	MAT.	L (mm)	g
73778	Cu-Be	73779	Al-Bron	140	270
73780		73781		200	450
73782		73783		300	800

CORTAFRÍOS CILÍNDRICO / *CYLINDRICAL COLD CHISEL* / BÉDANE CYLINDRIQUE / *ZYLINDRISCHE MEISSEL* / SCALPELLO CILINDRICO TAGLIO A FREDDO / *ESCOPRO CILINDRICO* / ЦИЛИНДРИЧЕСКОЕ ЗУБТЛО



COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
73788	Cu-Be	73789	Al-Bron	14 x 160	14	175
73790		73791		16 x 160	16	230
73792		73793		18 x 160	18	280
73794		73795		18 x 200		370
73796		73797		20 x 200	20	470
73798		73799		24 x 250	24	800
73800		73801		24 x 300		1000
73802		73803		25 x 300	25	1250
73804		73805		25 x 400		1400
73806		73807		25 x 500		1800
73808		73809		30 x 500	30	2650

CORTAFRÍOS HEXAGONAL / *HEXAGONAL COLD CHISEL* / BÉDANE HÉXAGONALE / *HEX MEIßEL* / SCALPELLO ESAGONALE TAGLIO A FREDDO / *ESCOPRO HEXAGONAL* / ШЕСТИГРАННОЕ ЗУБИЛО



COD.	MAT.	COD.	MAT.	L (mm)	AF mm	g
73811	Cu-Be	73812	Al-Bron	12 x 150	10	100
73813		73814		16 x 200	14	250
73815		73816		18 x 160	16	260
73817		73818		16 x 250	14	320
73819		73820		19 x 300	17	700
73821		73822		19 x 350		900
73823		73824		24 x 600	22	1800
73825		73826		28 x 300	25	1100
73827		73828		35 x 500	30	2700

GRANETE / *CENTRE PUNCH* / POINTEAU / *KÖRNER* / PUNTE DA CENTRO / *PUNÇAO DE BICO* / МЕТЧИК

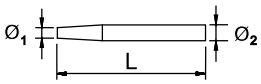


COD.	MAT.	COD.	MAT.	L (mm)	g
71514	Cu-Be	71516	Al-Bron	100	60
71515		71517		150	80

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

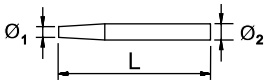
BOTADORES CÓNICOS / *TAPER PUNCHES* / CHASSE CLOU / *KÖRNER* / PUNZONE CONICO / *PUNÇÕES CÓNICOS* / КОНИЧЕСКИЕ ПРОБОЙНИКИ

MM





COD.	MAT.	COD.	MAT.	Ø 1 (mm)	Ø 2 (mm)	L (mm)	g
70426	Cu-Be	71472	Al-Bron	2	10	150	60
70427		71473		3			
70428		71474		4			
70429		71475		5			
70430		71476		6			70
70431		71477		7	12		
70432		71478		8			200
70433		71479		9	14		
70434		71480		10			
70435		71481		11	16		
70436		71482		12			300
70437		71483		13	18		
70438		71484		14			400
70439		71485		15	20	200	
70440		71486		16			500
70441		71487		17	22		
70442		71488		18			800
70443		71489		19	24	250	
70444		71490		20			900
70445		71491		21	26		
70446		71492		22			950
76099		76100		23			1100
76101		76102		24			1200
35756		76065			28		1100
36542		36543		25	30	180	1500
76103		76104				250	1200
76105		76106		26	26		1300
35757		76069			30		1400
76107		76108		27			1550
35758		76071		28	32		1800
35759		76098		30	34		2000
36544		36545		35	40	200	

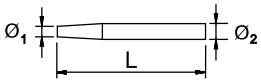




COD.	MAT.	Ø 1 (mm)	Ø 2 (mm)	L (mm)	g
36062	Latón / *Brass* / Laiton	2	10	150	100
36065		3			
36078		4			
36079		5			
36081		6			130
36088		8	12		170
36089		10	14		250
36182		12	16		300

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

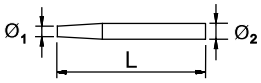
INCH





COD.	MAT.	COD.	MAT.	Ø 1 (inch)	Ø 2 (inch)	L (mm)	g
73583	Cu-Be	73572	Al-Bron	1/8	3/8	150	950
73584		73573		3/16			
73585		73574		1/4			
73586		73575		5/16	7/16		
73587		73576		3/8	17/32		
73588		73577		1/2	19/32		
73589		73578		5/8	3/4	200	
73590		73579		3/4	15/16	250	1000
73591		73580		7/8	1		

BOTADORES CILÍNDRICOS / *PIN PUNCHES* / CHASSES GOUPILLES / *DURCHSCHLÄGER* / PUNZONE CILINDRICO / *PUNÇÕES CILÍNDRICOS* / ПРОБОЙНИКИ





COD.	MAT.	COD.	MAT.	Ø 1 (mm)	Ø 2 (mm)	L (mm)	g
71518	Cu-Be	71527	Al-Bron	1,4	3	110	5
71519		71528		1,8	4		10
36183		36208		2	5		
71520		71529		2,4			
71521		71530		2,8	6		19
71522		71531		3			
71523		71532		4	8	120	38
71524		71533		5	10	130	65
71525		71534		6	12	140	95
71526		71535		8	16	150	175
36546		36547		10			210
36211		36212			14		175
36213		36214		12			260
36548		36549			18	160	270
72637		76109		13		200	370

COD.	MAT.	Ø 1 (mm)	Ø 2 (mm)	L (mm)	g
36186	Latón / *Brass* / Laiton	2	10	110	20
36187		3			
36188		4		120	60
36189		5	12	130	150
36194		6		140	
36195		8	14	150	200
36196		10			230
36197		12			250

PUNTERO / *DIAMOND POINT CHISEL* / BURIN / *KÖRNER* / PUNTE / *PUNÇAO* / ПРОБОЙНИК С АЛМАЗНЫМ НАКОНЕЧНИКОМ



COD.	MAT.	COD.	MAT.	L (mm)	AF mm	g
71544	Cu-Be	71548	Al-Bron	200	16	300
71545		71549		250	17	500
71546		71550		300	19	600
71547		71551		400	20	1000

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / *Alliage aluminium-bronze* / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

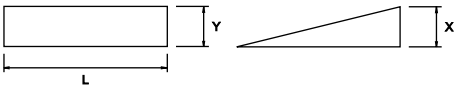
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PUNTERO ESPECIAL / *CAULKING TOOL* / BURIN SPECIAL / *KÖRNER LANG* / PUNTE SPECIALI / *PUNÇAO ESPECIAL* / МОНТИРОВКА



COD.	MAT.	COD.	MAT.	L (mm)	AF mm	Kg
71552	Cu-Be	71557	Al-Bron	1000	32	6,5
71553		71558		1200	36	9,5
71554		71559		1500		13
71555		71560		1000	50	16
71556		71561		1200		18

CUÑA / *WEDGE* / COIN / *KEIL* / CUNEO / *CUNHA* / КЛИН





COD.	MAT.	COD.	MAT.	L (mm)	Y	X	g
78967	Cu-Be	78968	Al-Bron	80	13	6-0	50
70452		71493		100	50	10-0	200
70453		71494		135		18-0	500
70454		71495		150	25	8-0	100
70455		71496				13-0	200
70456		71497			40	8-0	
70457		71498			50	13-0	400
70458		71499		180	13	6-0	300
70459		71500			32	13-0	
70460		71501			50	19-0	700
70461		71502		200	20	30-0	500
70377		36216			30	20-0	600
70462		71503				30-0	800
70463		71504			40	40-0	1300
70464		71505			50	12-0	500
70465		71506		230	40	20-0	800
70466		71507		250		30-0	1300
70467		71508		300	50	40-0	2500

PALANCA / *PINCHBAR* / PINCE À TALON / *BRECHSTANGE* / LEVA / *AVALANCA* / МОНИТРОВКА



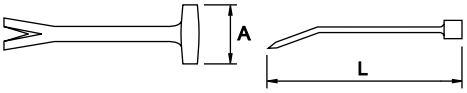
COD.	MAT.	COD.	MAT.	L (mm)	Kg
70468	Cu-Be	71570	Al-Bron	19 x 500	1,3
70469		71571		23 x 800	2,9
70470		71572		28 x 1000	4,5



COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	Kg
73833	Cu-Be	73834	Al-Bron	500	15	0,7
73835		73836			19	1,0
73837		73838			20	1,2
73839		73840			25	1,8
73841		73842			30	2,7
73843		73844		600	25	2,2
73845		73846			30	3,3
73847		73848		800	23	2,1
73849		73850			25	3,0
73851		73852			30	4,5
73853		73854		850		
73855		73856		1000	25	3,8
73857		73858			28	4,5
73859		73860			30	5,5
73861		73862		1200	25	4,5
73863		73864			30	6,5

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	Kg
73865	Cu-Be	73866	Al-Bron	1500	30	8,5



COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	Kg
76545	Cu-Be	76546	Al-Bron	230	70	0,5

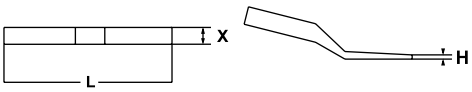


BARRA DE DESENCOFRAR / *WRECKING BAR* / PINCE MONSEIGNEUR / *BRECHEISEN* / APRICASSE CON LEVA CHIODI / *PE DE CABRA* / КРЮК

COD.	MAT.	COD.	MAT.	L (mm)	Kg
71573	Cu-Be	71577	Al-Bron	16 x 460	1,3
71574		71578		19 x 600	2,4
71575		71579		19 x 750	3,0
71576		71580		19 x 900	3,3



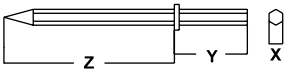
HERRAMIENTA DE REMATAR / *CAULKING TOOL* / CLÉ DE FINITION / *ABDICHTEN-WERKZEUG* / UTENSILI DA SVENDERE / *FERRAMENTA DE CALAFETAR* / МОНТИРОВКА



COD.	MAT.	COD.	MAT.	L (mm)	X	H (mm)	g
72601	Cu-Be	72602	Al-Bron	200	20	5	450
72603		72604		250		8	600

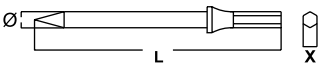


CINCELES NEUMÁTICOS / *PNEUMATIC CHISELS* / BURINS PNEUMATIQUES / *PNEUMATISCHE MEISSEL* / SCALPELLO PNEUMATICO / *ESCOPROS PNEUMÁTICOS* / ПНЕВМО ДОЛОТА



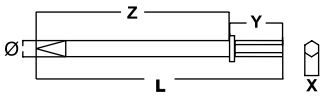
COD.	MAT.	COD.	MAT.	X	Y	Z	g
72583	Cu-Be	72584	Al-Bron	28	150	350	3200





COD.	MAT.	COD.	MAT.	L (mm)	X	O.D. mm	g
72585	Cu-Be	72586	Al-Bron	125	10	12	120
72587		72588		175			170





COD.	MAT.	COD.	MAT.	L (mm)	X	Y	Z	O.D. mm	g
35790	Cu-Be	35791	Al-Bron	435	22	85	350	25	1700



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ANTICHISPA
NON-SPARKING
ANTIDÉFLAGRANT
FUNKENFREI
ANTISCINTILLA
ANTI-DEFLAGRANTE
ИСКРОБЕЗОПАСНЫЙ

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ISO 9001:2015
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COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
72589	Cu-Be	72590	Al-Bron	125	10	20	150
72591		72592		175			190





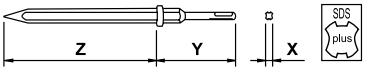
COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
72593	Cu-Be	72594	Al-Bron	125	10	20	150
72595		72596		175			190





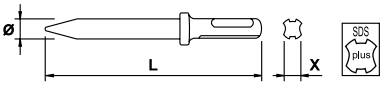
COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
72597	Cu-Be	72598	Al-Bron	125	10	20	150
72599		72600		175			190





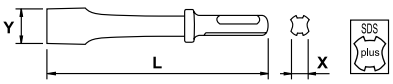
COD.	MAT.	COD.	MAT.	X	Y	Z	g
35570	Cu-Be	35571	Al-Bron	10	150	350	3200





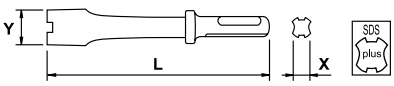
COD.	MAT.	COD.	MAT.	L (mm)	X	O.D. mm	g
35572	Cu-Be	35573	Al-Bron	125	10	12	120
35574		35575		175			170





COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
35576	Cu-Be	35577	Al-Bron	125	10	20	150
35578		35579		175			190



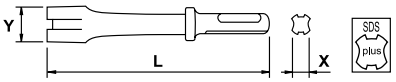


COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
35580	Cu-Be	35581	Al-Bron	125	10	20	150
35582		35583		175			190



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
35584	Cu-Be	35585	Al-Bron	125	10	20	150
35586		35587		175			190



TRAZADOR / *MARKING TOOL* / POINTE À TRACER / *MARKIERUNGSWERKZEUG* / TRACCIATORE / *TRAÇADOR* / МАРКИРОВЩИКИ

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
74217	Cu-Be	74218	Al-Bron	400	12	500
74219		74220		600	16	1000



COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
72216	Cu-Be	72217	Al-Bron	190	4	15
74222		74223		250		20



PUNZÓN / *AWL* / POINÇON / *AHLE* / PUNZONE / *PUNÇÃO* / ШИЛО

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
74225	Cu-Be	74226	Al-Bron	100 x 180	3	50

BMAT



COD.	MAT.	L (mm)	O.D. mm	g
36094	Latón / *Brass* / Laiton	350 X 450	9	200

BMAT



GANCHOS AJUSTABLES PARA BIDONES / *ADJUSTABLE BARREL HOOKS* / CROCHETS LÉVE BIDONS / *VERSTELLBARE FASSHAKEN* / GANCIO REGOLABILE PER BIDONI / *GANCHOS AJUSTÁVEIS PARA BIDONS* / КРЮК ДЛЯ БОЧЕК РЕГУЛИРУЕМЫЙ

COD.	MAT.	COD.	MAT.	MAX mm	CAP. (kg)	g
74247	Cu-Be	74248	Al-Bron	1060	700	3200



RASQUETA / *LONG BLADE SCRAPER* / LONGUE RACLETTE / *FLACHSCHABER* / RASCHIETTO / *RASCADOR* / ШИРОКАЯ ЛОПАТКА

COD.	MAT.	COD.	MAT.	L x W (mm)	Kg
71562	Cu-Be	71566	Al-Bron	60 x 185	1,2
71563		71567		100 x 225	1,5
71564		71568		150 x 180	2,6
71565		71569		125 x 225	1,2



COD.	MAT.	COD.	MAT.	L (mm)	g
73759	Cu-Be	73760	Al-Bron	95 x 480	650

BMAT



COD.	MAT.	COD.	MAT.	L (mm)	g
72155	Cu-Be	72156	Al-Bron	50 x 900	650



Cu-Be	Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron	Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / *Alliage aluminium-bronze* / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass	Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

COD.	MAT.	COD.	MAT.	L (mm)	g
73744	Cu-Be	73745	Al-Bron	50 x 900	650



COD.	MAT.	COD.	MAT.	L (mm)	g
73750	Cu-Be	73751	Al-Bron	50 x 695	900
73752		73753		75 x 710	1100
73754		73755		100 x 710	1200
73756		73757		150 x 750	2000



COD.	MAT.	COD.	MAT.	L (mm)	g
72167	Cu-Be	72168	Al-Bron	40 x 270	350



COD.	MAT.	COD.	MAT.	L (mm)	g
73747	Cu-Be	73749	Al-Bron	48 x 300	400



COD.	MAT.	COD.	MAT.	L (mm)	g
73762	Cu-Be	73763	Al-Bron	75 x 600	650



RASQUETA CURVA / *ARCHED SCRAPER* / GRATTOIR COURBÉ / *SPACHTEL FÜR GEBOGEN FLÄCHEN* / RASPE CURVE / *RASPADOR CURVO* / ИЗОГНУТЫЙ СКРЕБОК

COD.	MAT.	COD.	MAT.	L (mm)	g
73765	Cu-Be	73766	Al-Bron	50 x 190	400
73767		73768		100 x 210	650
73769		73770		150 x 220	800

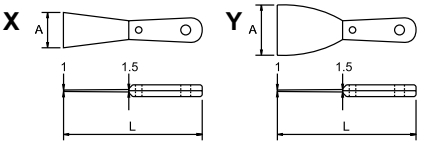


RASQUETA PLANA / *FLAT SCRAPER* / GRATTOIR PLAT / *FLACHSCHABER* / RASCHIETTO PIATTO / *RASPADOR PLANO* / ЛОСКИЙ СКРЕБОК

COD.	MAT.	COD.	MAT.	L (mm)	g
72157	Cu-Be	72162	Al-Bron	30 x 200	300
72158		72163		30 x 300	425
72159		72164		35 x 350	550
72160		72165		50 x 350	900
72161		72166		60 x 400	1400



ESPÁTULA / *SCRAPER* / SPATULE / *SPACHTEL* / SPATOLA / *ESPATULA* / СКРЕБОК



COD.	MAT.	COD.	MAT.	Mod.	A (mm)	L (mm)	g
70471	Cu-Be	71621	Al-Bron	X	25	200	85
70472		71622			30		95
70473		71623			40		105
70474		71624			50		115
70475		71625			60		
79834		79835			140		190

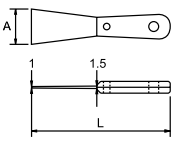


Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

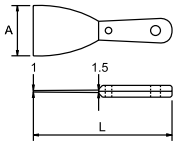
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

COD.	MAT.	COD.	MAT.	Mod.	A (mm)	L (mm)	g
70476	Cu-Be	71626	Al-Bron	Y	75	200	135
70477		71627			80		150
70478		71628			100		

X



Y

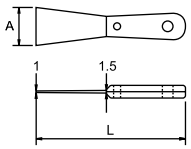


COD.	MAT.	COD.	MAT.	Mod.	A (mm)	L (mm)	g
36030	Cu-Be	36031	Al-Bron	X	25	200	100
36032		36033			30		110
36034		36035			40		120
36036		36037			50		130
36038		36039			60		140

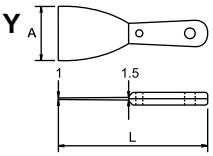


COD.	MAT.	COD.	MAT.	Mod.	A (mm)	L (mm)	g
36040	Cu-Be	36041	Al-Bron	Y	75	200	180
36042		36043			80		190
36044		36045			100		220

X



Y



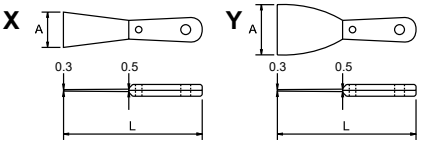
COD.	MAT.	Mod.	A (mm)	L (mm)	g
36092	Latón / *Brass* / Laiton	Y	30	200	140
36093			60		160



EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

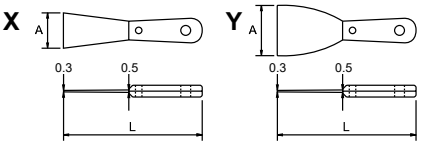
ESPÁTULA DE HOJA FLEXIBLE / *FLEXIBLE BLADE SCRAPER* / SPATULE À LÂME SOUPLE / *SCHABER MIT FLEXIBELES BLATT* / SPATOLA FLESSIBILE / *ESPÁTULA DE FOLHA FLÉXIVEL* / ШПАТЕЛЬ





COD.	MAT.	Mod.	A (mm)	L (mm)	g
35730	Cu-Be	X	25	200	85
35732			30		95
35734			40		105
35736			50		115
35738			60		

COD.	MAT.	Mod.	A (mm)	L (mm)	g
35740	Cu-Be	Y	75	200	135
35742			80		150
35744			100		
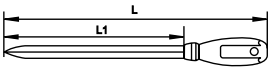




COD.	MAT.	Mod.	A (mm)	L (mm)	g
36046	Cu-Be	X	25	200	100
36048			30		110
36050			40		120
36052			50		130
36054			60		140

COD.	MAT.	Mod.	A (mm)	L (mm)	g
36056	Cu-Be	Y	75	200	180
36058			80		190
36060			100		220

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

RASQUETA TRIANGULAR / *TRIANGULAR SCRAPER* / GRATTOIR TRIANGULAIRE / *DREIECKIGER SPACHTEL* / RASCHIETTO TRIANGOLARE / *RASCADOR TRIANGULAR* / ТРЕУГОЛЬНЫЙ СКРЕБОК



COD.	MAT.	COD.	MAT.	L (mm)	L1 (mm)	g
73422	Cu-Be	73399	Al-Bron	420	300	250



COD.	MAT.	COD.	MAT.	L (mm)	g
73775	Cu-Be	73776	Al-Bron	150 x 470	1000

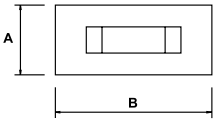


PICO Y RASQUETA / *SCRAPER PICK AND SCALER* / PIQUE ET RACLETTE / *REINIGUNGSWERKZEUG* / PICCONE E RASCHIETTI / *BICO E PÁ* / СКАЛЫВАЮЩИЙ СКРЕБОК

COD.	MAT.	COD.	MAT.	L (mm)	g
73785	Cu-Be	73786	Al-Bron	75 x 450	1200



LLANA / *TROWEL* / TRUELLE / *KELLEN* / FRATTONI / *TALOCHA* / ГЛАДИЛКА



COD.	MAT.	COD.	MAT.	A (mm)	B (mm)	g
36070	Cu-Be	36071	Al-Bron	150	300	850



CUBO / *BUCKET* / SEAU / *EIMER* / SECCHIO / *BALDE* / ВЕДРО

COD.	MAT.	L (mm)	O.D. mm	g
72486	Cu-Be	250	270	1500



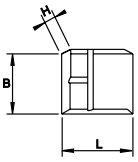
CUCHARA RECOGEDORA DE AZÚCAR / *SUGAR SCOOP* / CUILLÈRE À SUCRE / *SCHÖPFSCHAUFEL* / RACCOGLITORE DI ZUCCHERI / *COLHER PARA AÇUCAR* / КОВШ

COD.	MAT.	L (mm)	Ø 1 (mm)	Ø 2 (mm)	H (mm)	H1 (mm)	g
72487	Cu-Be	150	70	45	40	85	100
72488		200	120	100	75	120	250
72489		270	140	120	80	150	350
74620		350	160	135	90	190	600



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

RECOGEDOR / *DUSTPAN* / PELLE / *HANDSCHAUFEL* / RACCOGLITORE / *RECIPIENTE* / СОВОК



COD.	MAT.	L (mm)	H (mm)	B (mm)	g
74621	Cu-Be	150	20	130	130
74622		200	50	200	335
74623		270		250	650
72490		350	60	320	1000



AGUJA / *NEEDLE* / AIGUILLE / *NADEL* / AGO / *AGULHA* / ИГЛА

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
73868	Cu-Be	73869	Al-Bron	250	6	80
73870		73871		300	8	150
73872		73873		400	7	160
73874		73875		500	10	320



COD.	MAT.	L (mm)	O.D. mm	g
73877	Cu-Be	180	3	12

EMBUDO / *FUNNEL* / ENTONNOIR / *TRICHTER* / IMBUTO / *FUNIL* / ВОРОНКА

COD.	MAT.	L (mm)	MAX mm	g
74240	Cu-Be	130	160	230
74241		165		250



BOMBA MANUAL DE ACEITE / *PORTABLE OIL PUMP* / BURETTE À HUILE / *TRAGBARE ÖLPUMPE* / POMPA DELL'OLIO MANUALE / *BOMBA MANUAL PARA ÓLEO* / ПЕРЕНОСНОЙ МАСЛЯНЫЙ НАСОС

COD.	MAT.	L (mm)	O.D. mm	g
74243	Cu-Be	1100	165	2300



CAZO / *DIPPER* / LOUCHE / *TRICHTER KANNE* / RECIPIÈNTE / *CONCHA* / КОВШ

COD.	MAT.	L (mm)	O.D. mm	g
74245	Cu-Be	350	85	200



PLOMADA / *LINER* / PLOMB / *SCHLAGSCHNURROLLER* / GESSO TRACCIATORE / *LINHAS DE TRAÇAR* / ОТВЕС

COD.	MAT.	COD.	MAT.	L (mm)	MAX mm	g
72454	Cu-Be	72455	Al-Bron	60	50	250



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

POLEA / *CHAIN HOIST* / PALAN / *KETTENZUG* / PARANCHI A MANO CON CATENA / *DIFERENCIAL MANUAL* / ЦЕПНАЯ ТАЛЬ

COD.	MAT.	COD.	MAT.	CAP. (kg)	CAP. (m)	Kg
71638	Cu-Be	71642	Al-Bron	500	3	14
71639		71643		1000		
71640		71644		2000		18
71641		71645		3000		22
72141		72142		5000		30

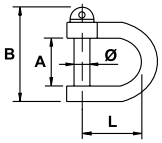


CARRO PARA POLEA / *TROLLEY FOR CHAIN HOIST* / CHARIOT POUR PALAN / *WAREN FÜR KETTENHUB* / CARRELLO PER PULEGIA / *CARRO PARA DIFERENCIAL* / ТЕЛЕЖКА ДЛЯ ЦЕПНЫХ ТАЛЕЙ

COD.	MAT.	COD.	MAT.	CAP. (kg)	I	Kg
76693	Cu-Be	76694	Al-Bron	500	68-94	13
76695		76696		1000	68-100	16
76697		76698		2000	94-124	22
76699		76700		3000	116-140	24



GRILLETE / *SHACKLE* / MANILLE / *SCHÄKEL* / GRILLI / *MANILHA* / РЫМ

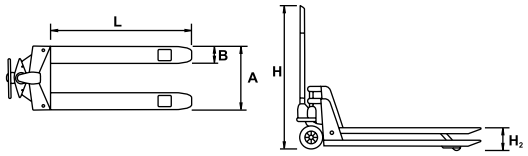


COD.	MAT.	COD.	MAT.	CAP. (kg)	L (mm)	A (mm)	B (mm)	Ø (m)	g
73429	Cu-Be	73424	Al-Bron	1200	40	30	60	10	170

CE



TRANSPALETA HIDRÁULICA / *HYDRAULIC PALLET TRUCK* / TRANSPALETTE HYDRAULIQUE / *HYDRAULISCHER HUBWAGEN* / TRASPALLET IDRAULICO / *PORTA-PALETES HIDRÁULICO* / ГИДРАВЛИЧЕСКАЯ ТЕЛЕЖКА



COD.	MAT.	COD.	MAT.	CAP. (kg)	L (mm)	A (mm)	B (mm)	H (mm)	H2 (mm)	Kg
76547	Cu-Be	76548	Al-Bron	2000	1190	550	160	1240	90-190	125



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

GATO / *SCREW JACK* / CRIQUE HYDRAULIQUE / *HEBEBOCK* / MARTINETTO IDRAULICO / *MACACO HIDRÁULICO DE GARRAFA* / ВИНТОВОЙ ДОМКРАТ

COD.	MAT.	CAP. (kg)	H (mm)	Kg
76703	Al-Bron	3200	220-330	6,5
76705		5000	250-380	7
76707		10000	280-430	11
76709		16000	320-500	14



CEPILLOS / *BRUSHES* / BROSSES / *STAHLBÜRSTEN* / SPAZZOLE / *ESCOVAS* / ЩЕТКИ

COD.	N.º filas / *Rows* / Rangées	L (mm)	g
70479	3	280	170
70480	4		200
70481	5		220



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

COD.	N.º filas / *Rows* / Rangées	L (mm)	g
71632	5	180	200



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

COD.	N.º filas / *Rows* / Rangées	L (mm)	g
72739	3	350	150



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

COD.	N.º filas / *Rows* / Rangées	L (mm)	g
73419	6	215	60
72526	4	290	170



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

COD.	N.º filas / *Rows* / Rangées	L (mm)	g	
61581	4	280	120	3



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

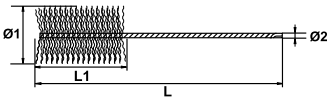
COD.	I.D. mm	O.D. mm	g
71634	22,2	150	700
73426	32	200	1000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза



COD.	L (mm)	L1 (mm)	Ø 1 (mm)	Ø 2 (mm)	g
79226	320	100	82	6,6	55



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

Cerdas antiestáticas / *Antistatic bristles* / Brosses antistatiques

PICOS / *PICKS* / PIOCHES / *MAURER HAMMERS* / PICCONI / *PICADEIRA* / КИРКИ

COD.	MAT.	COD.	MAT.	L (mm)	H (mm)	B (mm)	Kg
72143	Cu-Be	72147	Al-Bron	1050	360	53	1,1
72144		72148			385	55	1,7
72145		72149			410	56	2,0
72146		72150			470		2,5



HACHA / *AXE* / HACHE / *AXTE* / ASCIA / *MACHADO* / ТОПОР

COD.	MAT.	COD.	MAT.	L (mm)	H (mm)	B (mm)	g
72153	Cu-Be	72154	Al-Bron	340	200	82	950

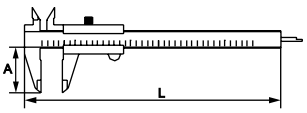


HACHA BOMBERO / *FIREMAN TYPE AXE* / HACHE POUR POMPIERS / *FEUERWEHRAXT* / ASCIA TIPO PER POMPIERI / *MACHADO DE BOMBEIRO* / ТОПОР ПОЖАРНОГО ТИПА

COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	Kg
72151	Cu-Be	72152	Al-Bron	340	145	98	1,3



CALIBRES / *CALIPERS* / PIEDS À COULISSE / *WERKSTATTMESSSCHIEBERS* / CALIBRI / *PAQUÍMETROS* / ШТАНГЕНЦИРКУЛИ



COD.	MAT.	L (mm)	mm	A (mm)	L (mm)	g
73730	Cu-Be	150	0,02	40	235	350



MARTILLOS / *HAMMERS* / MARTEAUX / *HÄMMER* / MARTELLI / *MARTELOS* / МОЛОТКИ

MARTILLO DE BOLA / *BALL PEIN HAMMER* / MARTEAU À BOULE / *SCHLOSSER HAMMER* / MARTELLO A PALLA / *MARTELO DE BOLA* / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD.	MAT.	COD.	MAT.	L (mm)	g
70488	Cu-Be	71743	Al-Bron	280	200
70489		71744		310	500
70490		71745		340	700
70491		71746		350	900
36068		36069			1100



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	L (mm)	g
35933	Cu-Be	35937	Al-Bron	280	200
35934		35938		310	500
35935		35939		340	700
35936		35940		350	900
36226		36231		380	1100



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

COD.	MAT.	COD.	MAT.	L (mm)	g
72782	Latón / *Brass* / Laiton	72788	Cu	280	230
72783		72789			340
72784		72790		310	450
72785		72791		340	680
72786		72792		350	910
72787		72793		400	1130



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
36001	Latón / *Brass* / Laiton	36007	Cu	300	230
36002		36008			340
36003		36009			450
36004		36010		325	680
36005		36011		365	910
36006		36012			1130



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO MECÁNICO DE PEÑA / *ENGINEER'S CROSS PEIN HAMMER* / MARTEAU À GARNIR / *MECCANICO CON PENNA* / SCHLOSSER HAMMER / *MECÂNICO DE PENA* / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD.	MAT.	COD.	MAT.	L (mm)	g
70492	Cu-Be	71747	Al-Bron	350	500
70493		71748			900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
35941	Cu-Be	35943	Al-Bron	380	500
35942		35944			900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO ALEMÁN / *GERMAN TYPE MACHINIST'S HAMMER* / MARTEAU DE MECANICIEN / *SCHLOSSER HAMMER* / MARTELLO TEDESCO / *MARTELO TIPO ALEMÃO* / СЛЕСАРНЫЙ МОЛОТОК НЕМЕЦКОГО ТИПА

COD.	MAT.	COD.	MAT.	L (mm)	g
70494	Cu-Be	71749	Al-Bron	300	100
70495		71750			200
70496		71751			300
70497		71752			500
70498		71753			800



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

COD.	MAT.	COD.	MAT.	L (mm)	g
70499	Cu-Be	71754	Al-Bron	340	1000
70500		71755		400	1500
70501		71756			2000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
35945	Cu-Be	35953	Al-Bron	300	100
35946		35954			200
35947		35955			300
35948		35956			500
35949		35957			800
35950		35958		340	1000
35951		35959		380	1500
35952		35960		450	2000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA OCTOGONAL / *SLEDGE MALLET* / MASSETTE OCTOGONALE / *SCHLAGHAMMER* / MAZZETTA OTTOGONALE / *MARRETA OCTOGONAL* / КУВАЛДА

COD.	MAT.	COD.	MAT.	L (mm)	Kg
36215	Cu-Be	36028	Al-Bron	370	0,5
70502		71757			1,0
70503		71758			1,5
70504		71759			2,0
70505		71760		900	2,5
70506		71761			3,0
70507		71762			4,5
70508		71763			5
70509		71764			7
70510		71765			8,0
72213		72211			10
72975		72974			12



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	Kg
36184	Cu-Be	36185	Al-Bron	370	0,5
35865		35882			1,0
35866		35883			1,5
35867		35884			2,0
35868		35885		900	2,5
35869		35886			3,0
35870		35887			4,5
35871		35888			5
35872		35889			6,8
35873		35890			8,0
35874		35891			10
35875		35892			12



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
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COD.	MAT.	COD.	MAT.	L (mm)	lb
79930	Cu-Be	79931	Al-Bron	380	2,0
35762		35763			3,0
35764		35765		840	5
35766		35767			7,5
35768		35769			10
79932		79933			12
35770		35771			15
35772		35773			18



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	lb
36438	Cu-Be	36439	Al-Bron	380	2,0
35876		35893			3,0
35877		35894		840	5
35878		35895			7,5
35879		35896			10
36440		36441			12
35880		35897			15
35881		35898			18



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

COD.	MAT.	L (mm)	g
72740	Latón / *Brass* / Laiton	280	300
72741		300	500
72742		370	1000
72743			1500
72744			2000
72745		900	3000
72746			4000
72747			5000
72748			7000
72749			10000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
35965	Latón / *Brass* / Laiton	310	300
35966			500
35967		320	1000
35968		360	1500
35969		380	2000
35970		700	3000
35971		800	4000
35972			5000
35973		900	7000
35974			10000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

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Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
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COD.	MAT.	L (mm)	g
72750	Cu	300	450
72751		370	1000
72752		900	2500
72753			3600
72754			4500
72755			5400
72756			6400
72757			10000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
35975	Cu	310	450
35976		320	1000
35977		380	2500
35978		700	3600
35979		800	4500
35980			5400
35981			6400
35982		900	10000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA CUADRADA TIPO ALEMÁN / *GERMAN TYPE MALLET* / MASSETTE TYPE ALLEMAND / *FÄUSTEL* / MAZZETA / *MARRETA* / КУВАЛДА КАМЕНЩИКА НЕМЕЦКОГО ТИПА

COD.	MAT.	COD.	MAT.	L (mm)	Kg
70511	Cu-Be	71766	Al-Bron	400	1,0
70512		71767			1,5
70513		71768			2,0
70514		71769		900	2,5
70515		71770			3,0
72098		72099			3,5



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	Kg
35899	Cu-Be	35905	Al-Bron	380	1,0
35900		35906			1,5
35901		35907			2,0
35902		35908		900	2,5
35903		35909			3,0
35904		35910			3,5



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / *Kupfer beryllium* / Koper beryllium / *Rame-berillio* / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / *Alliage aluminium-bronze* / Aluminium brons / *Aluminio bronzo* / Сплав Аллюминий Бронза
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

MAZA CUADRADA TIPO ALEMÁN / *GERMAN TYPE STONING HAMMER* / MASSE CARREE TYPE ALLEMAND / *STEINSCHLAGHAMMER* / MAZZA / *MARRETA QUADRADA* / МОЛОТОК КАМЕНЩИКА НЕМЕЦКОГО ТИПА

COD.	MAT.	COD.	MAT.	L (mm)	g
72764	Latón / *Brass* / Laiton	72773	Cu	350	500
72765		72774		400	1000
72766		72775			1500
72767		72776			1800
72768		72777			2000
72769		72778		900	2700
72770		72779			3600
72771		72780			4000
72772		72781			5000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
35983	Latón / *Brass* / Laiton	35992	Cu	310	500
35984		35993		320	1000
35985		35994		360	1500
35986		35995		380	1800
35987		35996			2000
35988		35997			2700
35989		35998		700	3600
35990		35999		800	4000
35991		36000		900	5000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO DE CORTE / *CUT-OFF HAMMER* / MARTEAU DE COUPE / *SCHNEIDHAMMER* / MARTELLO DE TAGLIO / *MARTELO DE CORTE* / ОТРУБНОЙ МОЛОТОК

COD.	MAT.	COD.	MAT.	L (mm)	Kg
70516	Cu-Be	71771	Al-Bron	400	1,3
70517		71772			2,1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	Kg
35961	Cu-Be	35963	Al-Bron	380	1,3
35962		35964			2,1



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

PICO DE CALDERERO / *CHIPPING HAMMER* / PIOCHE DE CHAUDRONNIER / *KESSELSTEINHAMMER* / PICCONE DA BATTIRAME / *PADEIRA DE CALDEIREIRO* / МОЛОТОК КОЛУН

COD.	MAT.	COD.	MAT.	L (mm)	g
70518	Cu-Be	71773	Al-Bron	280	200
70519		71774		355	400
70520		71775			600
70521		71776		400	900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

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Code / Código 8552B
Management System
ISO 9001:2015
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COD.	MAT.	COD.	MAT.	L (mm)	g
35911	Cu-Be	35915	Al-Bron	280	200
35912		35916		355	400
35913		35917			600
35914		35918		380	900



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO PARA PIEDRA / *STONE WEDGE* / MARTEAU PLAT / *MAURERHAMMER* / MARTELLO PER PIETRE / *MARTELO PARA PEDRA* / МОЛОТОК КАМЕНЩИКА

COD.	MAT.	COD.	MAT.	L (mm)	Kg
70522	Cu-Be	71777	Al-Bron	400	1,0



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	Kg
35919	Cu-Be	35920	Al-Bron	380	1,0



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

PALA MARTILLO / *BRICKLAYER'S HAMMER* / PELLE-MARTEAU / *MAURERHAMMER* / MARTELLO PICCONE / *PA-MARTELO* / МОЛОТОК КИРПИЧНИКА

COD.	MAT.	COD.	MAT.	L (mm)	g
70523	Cu-Be	71778	Al-Bron	340	700
70524		71779			800



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
35921	Cu-Be	35923	Al-Bron	340	700
35922		35924			800



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO DE UÑA / *CLAW HAMMER* / MARTEAU DE CHARPENTIER / *KLAUEN HAMMER* / MARTELLO CARPENTIERE / *MARTELO DE UNHA* / МОЛОТОК С ГВОЗДОДЕРОМ

COD.	MAT.	COD.	MAT.	L (mm)	g
70525	Cu-Be	71780	Al-Bron	325	500
70526		71781			700



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
36027	Latón / *Brass* / Laiton	275	500



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

COD.	MAT.	COD.	MAT.	L (mm)	g
35925	Cu-Be	35927	Al-Bron	275	500
35926		35928		338	700



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO DE NYLON / *NYLON HAMMER* / MARTEAU NYLON / *PLASTIK HAMMER* / MARTELLO DI NYLON / *MARTELO DE NYLON* / НЕЙЛОНОВЫЙ МОЛОТОК

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
70527	Cu-Be	71782	Al-Bron	340	50	800
73473		73393		400	55	1000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
35929	Cu-Be	35931	Al-Bron	340	50	800
35930		35932		380	55	1000



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO DE TESTEO / *TESTING HAMMER* / MARTEAU DE TEST / *PRÜFHAMMER* / MARTELLO DA TEST / *MARTELO DE TESTES* / ПРРОВЕРОЧНЫЙ МОЛОТОК

COD.	MAT.	COD.	MAT.	L (mm)	g
75211	Cu-Be	75212	Al-Bron	380	125
75214		75213			250



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MAZA TIPO TAMBOR / *DRUM TYPE STONING HAMMER* / MASSETTE CONIQUE / *LEICHMETALLHAMMER* / MAZZA TIPO A TAMBURO / *MAÇO DE COBRE* / БОЧКООБРАЗНЫЙ МОЛОТОК

COD.	MAT.	L (mm)	g
72758	Cu	280	300
72759		310	570
72760		340	810
72761		350	1100
72762		400	1600
72763			2300



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO DE PICAR / *SCALING HAMMER* / MASSETTE À PIQUER / *SCHWEISSERHAMMER* / MARTELLO PER SCANALARE / *PICADEIRA COM CABO DE FIBRA DE VIDRO* / СКАЛЫВАЮЩИЙ МОЛОТОК

COD.	MAT.	L (mm)	g
72794	Lat / *Brass*	330	205
72795		350	370



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

COD.	MAT.	L (mm)	g
36013	Lat / *Brass*	330	205
36014		350	370

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer



MACETA DE LATÓN / *BRASS MALLET* / MASSETTE LAITON / *MESSINGHAMMER* / MAZZETTA DI OTTONE / *MAÇO DE LATAO COM CABO DE FIBRA DE VIDRO* / БРОНЗОВАЯ КУВАЛДА

COD.	MAT.	L (mm)	g
72796	Lat / *Brass*	900	4500
72797			5400
72798			7650



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
36015	Lat / *Brass*	800	4500
36016			5400
36017		900	7650



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA DE COBRE / *COPPER MALLET* / MASSETTE CUIVRE / *KUPFERHAMMER* / MAZZETTA DI RAME / *MARRETA DE COBRE COM CABO DE FIBRA DE VIDRO* / МЕДНАЯ КУВАЛДА

COD.	MAT.	L (mm)	g
72799	Cu	350	1350



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

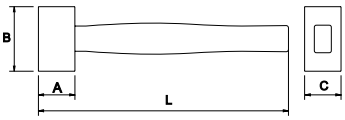
COD.	MAT.	L (mm)	g
36018	Cu	350	1350



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA DE COBRE / *SQUARE COPPER MALLET* / MASSETTE CUIVRE / *KUPFERHAMMER* / MAZZETTA DI RAME / *MARRETA DE COBRE* / КВОДРАТНАЯ МЕДНАЯ КУВАЛДА



COD.	MAT.	O.D. mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
69728	Cu	30	240	26	77	29	500	6	
69729		35	260	36	88	39	1000	4	●
69730		40	280	41	99	43	1500		



Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

YUNQUE / *ANVIL BLOCK* / ENCCLUME / *AMBOSSBLOCK* / INCUDINE / *BIGORNA* / БЛОК НАОВАЛЬНИ

COD.	MAT.	COD.	MAT.	Kg
73734	Cu-Be	73735	Al-Bron	3
73736		73737		5
73738		73739		16



MALETA DE ALUMINIO PORTAHERRAMIENTAS / *ALUMINIUM TOOL CASE* / MALLETTE PORTE-OUTILS / *ALUMINIUMKOFFER ZUM ROLLEN* / VALIGIA PORTAUTENSILI IN ALLUMINO / *MALA DE ALUMINIO PORTAFERRAMENTAS* / АЛЮМИНИЕВЫЙ ИНСТРУМЕНТАЛЬНЫЙ КЕЙС

COD.	L x W x H (mm)	Kg
51055	1350 x 356 x 114	7,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cerradura con llave / *Key lock* / Serrure avec clé	●
Con cierres en zamak / *Zinc alloy lockers* / Casiers en alliage de zinc	●





COD.	L x W x H (mm)	Kg
51056	520 x 330 x 152	3,6

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cerradura con llave / *Key lock* / Serrure avec clé	●
Con cierres en zamak / *Zinc alloy lockers* / Casiers en alliage de zinc	●





KIT SEGURIDAD ATEX / *ATEX SAFETY SETS* / KIT DE SÉCURITÉ POUR ZONE ATEX / *ATEX SAFETY KIT* / KIT SICUREZZA ATEX / *JOGO DE SEGURANÇA ATEX* / ВЗРЫВОБЕЗОПАСНЫЙ НАБОР

8 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74386	8	51054	Cu-Be	mm	7,5
74387			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
1	70474	71624	Espátula / *Scraper*	50 x 200 mm
	70478	71628		100 x 200 mm
	72157	72162	Raspador plano / *Flat scraper*	30 x 200 mm
	73422	73399	Rasqueta triangular / *Triangular scraper*	360 mm
	73785	73786	Pico y rasqueta / *Scraper pick and scaler*	75 x 450 mm
	71562	71566	Rasqueta / *Scraper*	60 x 185 mm
	73767	73768	Raspador curvo / *Arched scraper*	100 x 210 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

15 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74382	15	50995	Cu-Be	mm	10
74383			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70474	71624	Espátula / *Scraper*	50 mm
	70111	70541	Tenazas Pico Loro / *Groove joint pincers*	12"
	72458	72459	Tijeras de hojalatero / *Tin snips*	300 mm
	70117	71452	Llaves ajustables / *Adjustable wrenches*	8"
	70119	71454		12"
	72452	72453	Llave taponadora universal / *Multi-head bung wrench*	-
	70102	70532	Alicate universal / *Combination pliers*	200 mm
1	70106	70536	Alicate telefonista / *Long nose plier*	
	70526	71781	Martillo de uña / *Claw hammer*	338 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	71613	71614	Cuchillos / *Knives*	250 mm
	73747	73749	Raspador / *Scraper*	48 x 300 mm
	71597	71601	Destornillador Phillips® / *Phillips® screwdriver*	PH3
	71585	71592	Destornillador electricista / *Electrician screwdriver*	8 x 150 mm
	70124	71461	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"



16 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74896	16	50995	Cu-Be	mm	10
74897			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70474	71624	Espátula / *Scraper*	50 mm
	70111	70541	Tenazas Pico Loro / *Groove joint pincers*	12"
	72458	72459	Tijeras de hojalatero / *Tin snips*	300 mm
	70117	71452	Llaves ajustables / *Adjustable wrenches*	8"
	70119	71454		12"
	72452	72453	Llave taponadora universal / *Multi-head bung wrench*	-
	70102	70532	Alicate universal / *Combination pliers*	200 mm
1	70106	70536	Alicate telefonista / *Long nose plier*	
	70526	71781	Martillo de uña / *Claw hammer*	338 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	71613	71614	Cuchillos / *Knives*	250 mm
	73747	73749	Raspador / *Scraper*	48 x 300 mm
	71597	71601	Destornillador Phillips® / *Phillips® screwdriver*	PH3
	71585	71592	Destornillador electricista / *Electrician screwdriver*	8 x 150 mm
	70124	71461	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"
	76533	76533	Linterna LED MasterEx / *MasterEx LED torch*	-



17 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74388	17	50994	Cu-Be	mm	3,6
74389			Al-Bron		



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70104	70534	Alicate boca redonda / *Round nose plier*	160 mm
	70103	70533	Alicate boca plana / *Flat nose plier*	
	70107	70537	Alicate corte diagonal / *Diagonal cutting plier*	
	70100	70530	Alicate universal / *Combination pliers*	
	70115	70547	Pinza boca fina / *Neat tip tweezer*	-
	73903	73904	Pelacables / *Wirestripper*	170 mm
	71448	71451	Llaves ajustables / *Adjustable wrenches*	6"
	72260	72281	Destornillador mecánico / *Slotted screwdriver*	3 x 75 mm
1	72263	72284		4 x 100 mm
	72267	72288		6 x 150 mm
	72909	72910	Destornillador Phillips® / *Phillips® screwdriver*	PH0
	71595	71599		PH1
	70410	71354	Llave hexagonal de bola / *Ballpoint hexagonal keys*	3 mm
	70411	71355		4 mm
	70412	71356		5 mm
	70413	71614	Cuchillos / *Knives*	250 mm
	70529	70546	Tijeras / *Scissors*	225 mm

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74390	17	51055	Cu-Be	mm	23
74391			Al-Bron		



PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	71576	71577	Barra de desencofrar / *Wrecking bar*	19 x 900 mm
	70118	71453	Llaves ajustables / *Adjustable wrenches*	10"
	70119	71454		12"
	70120	71455		15"
	70489	71744	Martillo de bola / *Ball pein hammer*	310 mm
	70491	71746		350 mm
	70519	71774	Pico de calderero / *Chipping hammer*	355 mm
	70505	71760	Maceta octogonal / *Sledge hammer*	900 mm
1	73747	73749	Raspador / *Scraper*	48 x 300 mm
	73767	73768	Raspador curvo / *Arched scraper*	100 x 210 mm
	72272	72293	Destornillador / *Screwdriver*	10 x 200 mm
	72273	72294		10 x 300 mm
	73815	73816	Cortafríos hexagonal / *Hexagonal chisel*	18 x 160 mm
	73798	73799	Cortafríos cilíndrico / *Cylindrical chisel*	24 x 250 mm
	70121	71458	Llave Heavy Duty / *Heavy Duty pipe wrench*	8"
	70122	71459		10"
	70124	71461		14"

20 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74380	20	50994	Cu-Be	mm	8
74381			Al-Bron		



PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70124	71461	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"
	70174	70686	Llaves combinadas / *Combination wrenches*	10 mm
	70175	70687		11 mm
	70176	70688		12 mm
	70177	70689		13 mm
1	70178	70690		14 mm
	70181	70693		17 mm
	70183	70695		19 mm
	70186	70698		22 mm
	71596	71600	Destornillador Phillips® / *Phillips® screwdriver*	PH2
	71585	71592	Destornillador electricista / *Electrician screwdriver*	8 x 150
	70118	71453	Llaves ajustables / *Adjustable wrenches*	10"

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
1	70102	70532	Alicate universal / *Combination pliers*	200 mm
	70106	70536	Alicate telefonista / *Long nose plier*	
	70526	71781	Martillo de uña / *Claw hammer*	338 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	73747	73749	Raspador / *Scraper*	48 x 300 mm
	70472	71622	Espátula / *Scraper*	30 mm x 200 mm
	71613	71614	Cuchillos / *Knives*	250 mm
	70110	70540	Tenazas Pico Loro / *Groove joint pincers*	10"

37 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74384	37	50995	Cu-Be	mm	13
74385			Al-Bron		



PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
1	70174	70686	Llaves combinadas / *Combination wrenches*	10 mm
	70175	70687		11 mm
	70176	70688		12 mm
	70177	70689		13 mm
	70178	70690		14 mm
	70179	70691		15 mm
	70181	70693		17 mm
	70183	70695		19 mm
	70186	70698		22 mm
	70188	70700		24 mm
	70110	70540	Tenazas Pico Loro / *Groove joint pincers*	10"
	71613	71614	Cuchillos / *Knives*	250 mm
	70474	71624	Espátula / *Scraper*	50 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	70391	71287	Llave hexagonal / *Hex pipe wrench*	2 mm
	70392	71288		3 mm
	70393	71289		4 mm
	70394	71290		5 mm
	70395	71291		6 mm
	70397	71293		8 mm
	70399	71295		10 mm
	70102	70532	Alicate universal / *Combination pliers*	200 mm
	70107	70537	Alicate de corte diagonal / *Diagonal cutting plier*	160 mm
	70129	71466	Llave sueca / *Swedish pipe wrench*	45° 1.1/2"
	70118	71453	Llaves ajustables / *Adjustable wrenches*	10"
	70119	71454		12"
	70497	71752	Martillo alemán / *German type machinist's hammer*	500 g, 310 mm
	70513	71768	Maceta cuadrada / *Stoning hammer*	2 Kg (400 mm)
	72306	72308	Destornillador electricista / *Electrician screwdriver*	5 x 100 mm
	71585	71592		8 x 150 mm
	71595	71599	Destornillador Phillips® / *Phillips® screwdriver*	PH1
	71597	71601		PH3
	73796	73797	Cortafrio cilíndrico / *Cylindrical chisel*	20 x 200 mm
	73780	73781	Cincel en punta / *Cross cutting chisel*	200 mm
	70429	71475	Botador / *Pin punch*	5 mm, 150 x 10 mm
	70434	71480		10 mm, 150 x 14 mm
	70529	70546	Tijeras / *Scissors*	225 mm

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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38 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74898	38	50995	Cu-Be	mm	13
74899			Al-Bron		



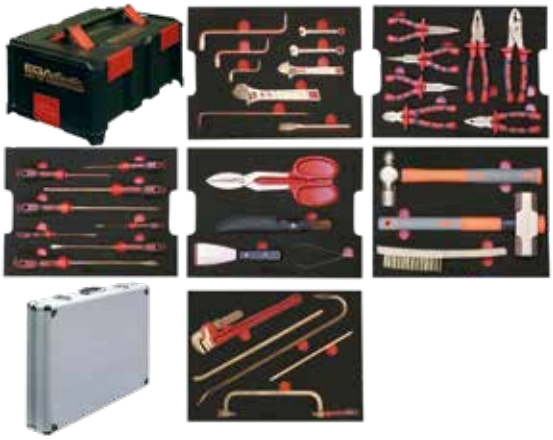
PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70174	70686	Llaves combinadas / *Combination wrenches*	10 mm
	70175	70687		11 mm
	70176	70688		12 mm
	70177	70689		13 mm
	70178	70690		14 mm
	70179	70691		15 mm
	70181	70693		17 mm
	70183	70395		19 mm
	70186	70698		22 mm
	70188	70700		24 mm
	70110	70540	Tenazas Pico Loro / *Groove joint pincers*	10"
	71613	71614	Cuchillos / *Knives*	250 mm
	70474	71624	Espátula / *Scraper*	50 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	70391	71287	Llave hexagonal / *Hex pipe wrench*	2 mm
	70392	71288		3 mm
	70393	71289		4 mm
	70394	71290		5 mm
1	70395	71291		6 mm
	70397	71293		8 mm
	70399	71295		10 mm
	70102	70532	Alicate universal / *Combination pliers*	200 mm
	70107	70537	Alicate de corte diagonal / *Diagonal cutting plier*	160 mm
	70129	71466	Llave sueca / *Swedish pipe wrench*	45° 1.1/2"
	70118	71453	Llaves ajustables / *Adjustable wrenches*	10"
	70119	71454		12"
	70497	71752	Martillo alemán / *German type machinist's hammer*	500g, 310 mm
	70513	71768	Maceta cuadrada / *Stoning hammer*	2 Kg (400 mm)
	72306	72308	Destornillador electricista / *Electrician screwdriver*	5 x 100 mm
	71585	71592		8 x 150 mm
	71595	71599	Destornillador Phillips® / *Phillips® screwdriver*	PH1
	71597	71601		PH3
	71596	73797	Cortafrio cilíndrico / *Cylindrical chisel*	20 x 200 mm
	73780	73781	Cincel en punta / *Cross cutting chisel*	200 mm
	70429	71475	Botador / *Pin punch*	5 mm, 150 x 10 mm
	70434	71480		10 mm, 150 x 14 mm
	70529	70546	Tijeras / *Scissors*	225 mm
	76533	76533	Linterna LED MasterEx / *MasterEx LED torch*	-

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

KIT DE EXTRACCION DE MINAS / *SET FOR MINE REMOVAL* / KIT POUR LE DÉMINAGE / *SATZ FÜR DIE ENTFERNUNG VON MINEN* / KIT ESTRAZIONE MINE / *KIT DE EXTRAÇÃO DE MINAS* / НАБОР ДЛЯ РАЗМИНИРОВАНИЯ

36 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
59160	36	50996, 51054	Cu-Be	mm	23



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
	74222	Agujas de trazar / *Scribers*	250 mm
	70100	Alicate universal / *Combination plier*	160 mm
	70102		200 mm
	70103	Alicate boca plana / *Flat nose plier*	160 mm
	70104	Alicate boca redonda / *Round nose plier*	
	70105	Alicate telefonista / *Long nose plier*	
	70107	Alicate corte diagonal / *Diagonal cutting plier*	
	70114	Alicates tipo Ford / *Slip joint pliers*	8"
	72220	Arcos de sierra / *Hack saws*	300 mm
	71574	Barras de desencofrar / *Wrecking bars*	19 x 600 mm
	70481	Cepillos / *Brushes*	5 x 280 mm
	73790	Cortafríos / *Chisels*	16 x 160 mm
	71613	Cuchillos / *Knives*	250 mm
	72462	Destornilladores acodados / *Offset screwdrivers*	6 x 72 mm
	72464		8 x 125 mm
	72466		10 x 195 mm
1	72260	Destornilladores mecánicos / *Slotted screwdrivers*	3 x 75 mm
	72263		4 x 100 mm
	72267		6 x 150 mm
	72270		8 x 200 mm
	71595	Destornilladores Phillips® / *Phillips screwdriver®*	PH-1
	71596		PH-2
	71597		PH-3
	71598		PH-4
	70474	Espátulas / *Scrapers*	50 x 200 mm
	72223	Hojas de sierra / *Saw blades*	300 mm
	70117	Llaves ajustables / *Adjustable wrenches*	8"
	71448		6"
	70172	Llaves combinadas / *Combination wrenches*	8 mm
	70174		10 mm
	70125	Llaves heavy duty / *Heavy duty wrenches*	18"
	70491	Martillos de bola / *Ball pein hammers*	900 gr
	70504	Macetas octogonales / *Sledge hammers*	2 kg
	73839	Palancas / *Pinchbars*	Ø 25 x 500 mm
	70115	Pinzas / *Tweezers*	150 mm
	72458	Tijeras / *Tin snips*	300 mm

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

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ISO 14001:2015
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ACETILEX: ALEACIÓN ACETILEX, TRABAJO SEGURO INCLUSO EN AMBIENTES DE ACETILENO / *ACETILEX ALLOY, SAFE WORK EVEN IN ACETHYLENE ENVIRONMENTS* / ALLIAGE ACETILEX, TRAVAIL SÛR MÊME EN PRÉSENCE D'ACÉTHYLÉNE / *SICHERE ARBEIT SOGAR BEI ACETYLEN-ATMOSPHÄREN* / LEGA ACETILEX, LAVORO SICURO ANCHE IN AMBIENTI DI ACETILENE / *LIGA ACETILEX, TRABALHO SEGURO INCLUSIVÉ EM AMBIENTES ACETILENO* / СПЛАВ АЦИТИЛЕКС, БЕЗОПАСНАЯ РАБОТА ДАЖЕ В СРЕДЕ АЦИТИЛЕНА

TENAZA PICO DE LORO / *GROOVE JOINT PLIER* / MULTIPRISE À CRÉMAILLÈRE / *VERSTELLBARE WASSERPUMPZANGE* / POLIGRIP / *ALICATE BICO DE PAPAGAIO* / КЛЕЩИ ПЕРЕСТАВНЫЕ ЖЕЛОБКОВЫЕ



COD.	L (inch)	g
79450	10	430
79451	12	670

ACETILEX

LLAVE AJUSTABLE / *ADJUSTABLE WRENCH* / CLÉ À MOLETTE / *ROLLGABELSCHLÜSSEL* / CHIAVI REGOLABILI A RULLINO / *CHAVE AJUSTAVEL* / РАЗВОДНЫЕ КЛЮЧИ



COD.	L (inch)	g
79452	6	135
79453	8	280
79454	10	440
79455	12	720

ACETILEX

LLAVE HEAVY DUTY / *HEAVY DUTY PIPE WRENCH* / CLÉ SERRE-TUBES H.D. / *EINHAND-ROHRZANGEN* / GIRATUBI MODELLO AMERICANO PESANTE / *CHAVE HEAVY DUTY* / ТРУБНЫЙ КЛЮЧ ДЛЯ ТЯЖЕЛЫХ РАБОТ



COD.	L (inch)	O.D. inch	g
79456	8"	1	420
79457	10"	1.1/2"	740
79458	12"	2	1050
79459	14"		1320
79460	18"	2.1/2"	2260
79461	24"	5	3470
79462	36"	6	5880

ACETILEX

LLAVES / *WRENCHES* / CLÉS / *SCHLÜSSEL* / CHIAVI / *CHAVES* / КЛЮЧИ

LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *RINGSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАНЫЕ КЛЮЧИ

MM



COD.	AF mm	L (mm)	g
72867	6	115	36
72868	7	120	43
72869	8	125	50
72870	9	130	65
72871	10	135	70
72872	11	140	75
72873	12	145	95
72874	13	155	105
72875	14	165	110
72876	15	175	120
72877	16	185	165
72878	17	195	175
72879	18	200	210
72880	19	210	220
72881	20	220	250
72882	21	230	270
72883	22	240	290
72884	23	250	370
72885	24	260	400
72886	25	270	420
72887	26		440
72888	27	280	500

COD.	AF mm	L (mm)	g
72889	28	295	550
72890	29	300	650
72891	30	310	700
72892	32	330	800

ACETILEX

FIJA DE GOLPE / *SLOGGING OPEN WRENCH* / À FOURCHE À FRAPPER / *SCHLAG MAULSCHLÜSSEL* / FISSE AD IMPULSO / *BOCA DE IMPACTO* / УДАРНЫЙ РОЖКОВЫЙ КЛЮЧ

MM

COD.	AF mm	L (mm)	g
72901	30	185	450
72902	32	195	550
72903	36	210	750
72904	41	220	1000
72905	46	240	1300
72906	50	250	1400
72907	55	270	1750
72908	60	280	2000



ACETILEX

ESTRELLA DE GOLPE / *SLOGGING RING* / POLYGONALE À FRAPPER / *SCHLAG RINGSCHLÜSSEL* / POLIGONALE AD IMPULSO / *LUNETA DE IMPACTO* / УДАРНЫЙ КЛЮЧ ЗВЕЗДОЧКА

MM

COD.	AF mm	L (mm)	g
72893	30	165	420
72894	32	175	490
72895	36	210	600
72896	41	220	850
72897	46	240	1050
72898	50	250	1200
72899	55	260	1400
72900	60	270	1700



ACETILEX

LLAVES HEXAGONALES / *HEXAGONAL KEYS* / CLÉS MALES / *INBUSSCHLÜSSEL* / CHIAVI ESAGONALI / *CHAVES HEXAGONAIS* / ШЕСТИГРАННИК

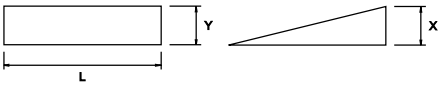
MM

COD.	AF mm	L (mm)	H (mm)	g
72856	2	38	13	7,0
72857	3	59	25	9,0
72858	4	65	30	11
72859	5	79	32	18
72860	6	85	37	28
72861	7	88	43	37
72862	8	92	44	55
72863	9	97		65
72864	10	110	45	90
72865	11	119	48	125
72866	12	130	52	160



ACETILEX

CUÑA / *WEDGE* / COIN / *KEIL* / CUNEO / *CUNHA* / КЛИН



COD.	L (mm)	X (mm)	Y (mm)	g
72851	100	10-0	50	210
72852	150	13-0		420
72853	180	19-0		750
72854	200	12-0		500
72855	230	20-0		800



ACETILEX

DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *SCHRAUBENZIEHER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

COD.	mm	mm	mm	g
72825	50	3	85	41
72826	100	4		50
72827		5	105	105
72828		6		115
72829	150	8	110	160



ACETILEX

PHILLIPS®*

COD.	mm		mm	g
72830	60	PH-0	85	44
72831	80	PH-1		75
72832	100	PH-2	105	85
72833	150	PH-3	110	180



ACETILEX

POZIDRIV®*

COD.	mm		mm	g
72835	75	PZ-1	85	50
72836	100	PZ-2	105	95
72837	150	PZ-3	110	160



ACETILEX

MARTILLOS / *HAMMERS* / MARTEAUX / *HÄMMER* / MARTELLI / *MARTELOS* / МОЛОТКИ И КУВАЛДЫ

MARTILLO DE BOLA / *BALL PEIN HAMMER* / MARTEAU À BOULE / *SCHLOSSER HAMMER* / MARTELLO A PALLA / *MARTELO DE BOLA* / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD.	L (mm)	g
72838	310	500
72839	340	680
72840	350	900



ACETILEX

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

MARTILLO ALEMÁN / *GERMAN TYPE MACHINIST'S HAMMER* / MARTEAU DE MECANICIEN / *SCHLOSSER HAMMER* / MARTELLO TEDESCO / *MARTELO TIPO ALEMÃO* / СЛЕСАРНЫЙ МОЛОТОК НЕМЕЦКИЙ ТИП

COD.	L (mm)	g
72841	310	500
72842		800
72843	340	1000



ACETILEX

MACETA OCTOGONAL / *SLEDGE MALLET* / MASSE OCTOGONALE / *SCHLAGHAMMER* / MAZZETTA OTTOGONALE / *MARRETA OCTOGONAL* / КУВАЛДА КУЗНЕЧНАЯ

COD.	L (mm)	g
72844	400	1000
72845		1500
72846		2000
72847	900	3000
72848		4000
72849		5000



ACETILEX

PICO DE CALDERERO / *CHIPPING HAMMER* / PIOCHE DE CHAUDRONNIER / *KESSELSTEINHAMMER* / PICCONE DA BATTIRAME / *PICADEIRA DE CALDEIREIRO* / МОЛОТОК ВЫРУБНОЙ

COD.	L (mm)	g
72850	280	400



ACETILEX



38

SEGURIDAD INTRÍNSECA
INTRINSIC SAFETY
SÉCURITÉ INTRINSÈQUE
EXSCHUTZ
SICUREZZA INTRINSECA
SEGURANÇA INSTRINSECA
ВЗРЫВОБЕЗОПАСНЫЙ



ATEX

Atmósfera - **Ex**plosiva
***Ex**plosive - **At**mosphere*
Atmosphére - **Ex**plosive



DESIGNACIÓN Ex
Ex DESIGNATION
DÉSIGNATION Ex

ATEX
Atmósfera - **Ex**plosiva

Directiva 2014/34/UE
Articula las disposiciones legales a tomar por los estados miembros para los aparatos y sistemas de protección diseñados para su uso en áreas potencialmente explosivas.
Nuevo: ATEX 114 (Antiguo: ATEX 95).

Directiva 1999/92/CE
Requerimientos mínimos para la mejora de la salud y la seguridad del trabajador en peligro ante atmósferas explosivas.
Nuevo: ATEX 153 (Antiguo: ATEX 137).

ATEX
***Ex**plosive - **At**mosphere*

2014/34/UE Directive
Harmonises legal provisions of member states for devices and protection systems for designated use in potentially explosive areas.
New: ATEX 114 (Old: ATEX 95).

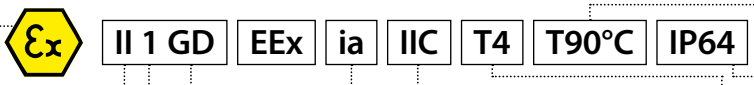
1999/92/CE Directive
Minimum requirements for improving the health and safety protection of the worker at risk from explosive atmospheres.
New: ATEX 153 (Old: ATEX 137).

ATEX
Atmosphére - **Ex**plosive

Directive 2014/34/UE
Coordonne les dispositions légales á prendre dans les états membres pour les appareils et les systémes de protection dessinés pour une utilisation dans des aires potentiellement explosives.
Nouveau: ATEX 114 (Ancien: ATEX 95).

Directive 1999/92/CE
Exigences minimum pour l'amélioration de la santé et de la sécurité du travailleur en danger dans des atmosphéres explosives.
Nouveau: ATEX 153 (Ancien: ATEX 137).

Ejemplos de denominación: / *Designation examples:* / Exemples de désignations:
- Uso en atmósferas gaseosas / *Use in gaseous atmospheres* / Utilisation en atmosphéres gazeuses: Ⓔx **II 1 G EEx ia IIC T4**
- Uso en atmósferas de polvo / *Use in dusty atmospheres* / Utilisation en atmosphéres poussiéreuses: Ⓔx **II 2 D T90°C IP64**
- Uso para aplicaciones de minería / *Use for minig applications* / Application pour des utilisations: Ⓔx **I M2 EEx ia I**



Indicación de que el producto es apto para su uso en ambientes explosivos
Indication of the suitability of the product in explosive enviroments
Indication que le produit est apte pour son utilisation dans des environments explosifs

Grupo de aparatos
Device group
Groupe d'appareils
- **I** Minería / *Mining* / Miniére
- **II** Todas las demás áreas explosivas / *All other explosive areas* / Tout le reste des zones explosives

Categoría
Category
Catégorie
- **1** Zonas / *Zones* / Zones: 0/20
- **2** Zonas *Zones* / Zones: 1/21
- **3** Zonas / *Zones* / Zones: 2/22
- **M1** Minería (en caso de grisú es posible seguir trabajando)
  Mining (in case of firedamp, continuation of operation is possible)
  Minier (en cas de grisou, le travail peut continuer)
- **M2** Minería (en caso de grisú debe apagarse)
  Mining (must be switched off in case of firedamp)
  Minier (en cas de grisou, on doit l'éteindre)

Atmósfera
Atmosphere
Atmosphère
- **G** Gas / *Gas* / Gaz
- **D** Polvo / *Dust* / Poussiére
  (Mining - No details)

Tipos de protección frente a la ignición
Types of ignition protection
Types de protections face á l'ignition
- **o** Inmersión en aceite / *Oil immersion* / Immersion dans l'huile
- **p** Presurización / *Pressurisation* / Préssurisation
- **q** Relleno de polvo / *Powder filling* / Rempli de poussiére
- **d** Carcasa resistente a la presión / *Pressure-proof housing* / Carcasse résistante á la pression
- **e** Aumento de seguridad / *Increased safety* / Augmentation de la sécurité
- **ia** Seguridad intrínseca (requerida para la Zona 0*)
  * Depende de la categoría del aparato
  Intrinsic safety (required for Zone 0)*
  ** depends on device category*
  Securité intrinséque (recommendé pour la zone 0*)
  * Dépend de la catégorie d'appareil
- **ib** Seguridad intrínseca (adecuada para la Zona 1 (+2))
  Intrinsic safety (adequate for Zone 1 (+2))
  Securité intrinséque (adequat pour les zones 1 (+2))
- **m** Encapsulado / *Encapsulation* / Capsulé
- **s** Protección especial / *Special protection* / Protection spéciale
- **n** Funcionamiento normal bajo condiciones normales (sólo para la Zona 2)
  Normal operation under normal conditions (for Zone 2 only)
  Fonctionnement normal en conditions normales (uniquement zone 2)
- **nA** Antichispa / *Non-sparking* / Anti-déflagrant
- **nC** Contactos protegidos / *Protected contacts* / Contacts protégés
- **nR** Carcasa resistente al vapor / *Vapour-proof housing* / Carcasse résistante á la vapeur
- **nL** Energía limitada / *Limited energy* / Énergie limitée
- **nP** Simplificada / *Simplified* / Simplifiée

Clases de temperatura
Temperature classes
Classes de température
(Máxima temperatura de una superficie en la que el gas puede penetrar en el caso de fallo del aparato. No debería usarse en las zonas Ex de polvo.)
(Max. temperature of a surface that gas can penetrate in the event of device failure. Should not be used in dust-ex-markings.)
(Température maximum d'une surface dans laquelle le gaz peut pénétrer lors d'une défaillance de l'appareil. Ne doivent pas être utilisés dans les zones Ex de poussiére.)
- **T1** 450 °C
- **T2** 300 °C
- **T3** 200 °C
- **T4** 135 °C
- **T5** 100 °C
- **T6** 85 °C

Grupo de explosión
Explosion group
Groupe d'explosion
(Dato facilitado para los aparatos usados en las áreas definidas como potencialmente explosivas por gas.)
(Data only for devices used in areas rendered potentially explosive by gas.)
(Renseignement donné pour les appareils utilisés dans les aires définies comme potentiellement explosives au gaz.)
- **I** Metano (minería) / *Methane (mining)* / Méthane (mines)
- **IIA** Propano / *Propane* / Propane
- **IIB** Etileno / *Ethylene* / Ethyléne
- **IIC** Grupo más peligroso (e.j. hidrógeno) / *Most dangerous group (e.g. hydrogen)* / Groupe plus dangereux (e.x. hydrogéne)

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

T90°C

Máxima temperatura superficial
Max. surface temperature
Température maximum en surface

(Dato facilitado para los aparatos usados en las áreas definidas como potencialmente explosivas por polvo - raramente también utilizado en las gaseosas.)
(Data for devices used in areas rendered potentially explosive by dust - rarely also used in gas ex marking.)
(Renseignement donné pour les appareils utilisés dans les aires définies comme potentiellement explosives par la poussiére et rarement utilisés dans des aires gazeuses.)

Máxima temperatura de una superficie en caso de fallo del aparato (o durante su uso normal en los aparatos de categoría 3) que puede ser alcanzada en una atmósfera Ex.

Evaluación por el usuario:

a) Temperatura límite 1 = 2/3 de la temperatura mínima de ignición del polvo presente.
b) Temperatura límite 2 = mínima temperatura de quemado del polvo presente menos 75 K (grados Kelvin) (se aplica para capas de polvo de espesores de hasta 5 mm).

El valor más pequeño de los límites de temperatura debe estar por encima de la máxima temperatura superficial indicada para el aparato.

Maximum temperature of a surface during a machine error (normal operation in the case of category 3 devices) that can be reached by the ex atmosphere.

Evaluation by the user:

a) Limit temperature 1 = 2/3 of min. ignition temperature of dust present
b) Limit temperature 2 = min. glow temperature of dust present minus 75k (applies for layer thicknesses of up to 5mm)

The smaller value for the limit temperature must be aboye the indicated max. surface temperature of the device.

Température maximale d'une surface qui peut être atteinte dans une atmosphére Ex. dans le cas d'une défaillance d'un appareil (ou durant son utilisation normale dans les machines de catégorie 3)

Evaluation par l'utilisateur:

a) Température limite 1 = 2/3 de la température minimum d'ignition de la poussiére présente
b) Température limite 2 = température minimum de brûlure de la poussiére présente moins de 75k (degrés Kelvin) (elle s'applique pour des couches de poussiéres jusqu'á 5mm)

La valeur la plus basse de température doit être au-dessus de la température maximale superficielle indiquée pour l'appareil.



IP64

Código IP
IP Code
Code IP

(Dato facilitado sólo para aparatos usados en las áreas definidas como potencialmente explosivas por polvo.)
(Data only for devices used in areas rendered potentially explosive by dust.)
(Renseignement donné uniquement pour les appareils utilisés dans des aires définies comme potentiellement explosives par la poussiiére.)

Figura 1. Protección contra el contacto y cuerpos extraños:

5 Protección contra depósitos de polvo
6 Protección contra penetración de polvo

Figura 2. Protección contra el agua:

Protección contra:

0 (No protección)
1 Goteo vertical de agua
2 Goteo de agua sobre aparato en funcionamiento inclinado 15°
3 Agua pulverizada
4 Agua pulverizada
5 Chorro de agua
6 Fuerte chorro de agua
7 Inmersión temporal
8 Inmersión continua

Figure 1. Contact and foreign body protection:

5 Protection against dust deposits
6 Protection against dust penetration

Figure 2. Water protection

Protection against:

0 (No protection)
1 Vertically falling drip water
2 Drip water on operating device inclined to 15° 3=spray water
3 Spray water
4 Spray water
5 Jet water
6 Strong jet water
7 Temporary immersion
8 Continuous immersion

Figure 1. Protection contre le contact et les corps étrangers:

5 Protection contre les dépôts de poussiére
6 Protection contre la pénétration de poussiére

Figure 2. Protection contre l'eau

Protection contre:

0 (Pas de protection)
1 Goutte verticale
2 Gouttes d'eau avec une inclinaison de 15° sur un appareil en fonctionnement
3 Eau pulvérisée
4 Eau pulvérisée
5 Jet d'eau
6 Jet d'eau puissant
7 Immersion temporaire
8 Immersion continue

DESIGNACIÓN Ex
Ex DESIGNATION
DÉSIGNATION Ex

Protección frente a la explosión

Los principales principios para una segura e íntegra protección frente a la explosión son los siguientes:

1. Tomar medidas para evitar las atmósferas Ex siempre que sea posible.
2. Tomar medidas que prevengan la ignición de atmósferas Ex.
3. Tomar medidas que limiten los efectos de la explosión hasta un grado seguro.

Esto se diferencia de:

Protección primaria frente a la explosión:

Tomar precauciones para prevenir o restringir la formación de atmósferas Ex explosivas.

Protección secundaria frente a la explosión:

Éste abarca el segundo grupo de medidas, las cuales tienen la intención de prevenir la ignición de una atmósfera capaz de explotar.

Explosion Protection

The important principles for integrated safety explosion protection are as follows:

1. *Measures are taken to avoid hazardous atmospheres whenever possible.*
2. *Measures are taken which prevent the ignition of hazardous atmospheres.*
3. *Measures are taken which limit the explosive effect to a safe degree.*

This differs from:

Primary explosive protection:

These are precautions taken to prevent or restrict the formation of hazardous explosive atmospheres.

Secondary explosive protection:

This covers the second group of measures, which are intended to prevent the ignition of an atmosphere that is capable of exploding.

Protection contre l'explosion

Les principes les plus importants pour une protection sûre et entière contre l'explosion sont les suivants:

1. Adopter les mesures nécessaires pour éviter tant que possible la zone Ex
2. Prendre les mesures de prévention contre l'ignition en atmosphére Ex
3. Prendre les mesures qui limitent les effets de l'explosion á un niveau nul

Celá se différencie de:

La protection primaire contre l'explosion:

Prendre des précautions pour prévenir ou réduire la formation d'atmosphéres Ex explosives

La protection secondaire contre l'explosion:

Celui-ci comprend le second groupe de moyens, ceux qui ont l'intention de prévenir l'ignition d'une atmosphére qui peut exploser.

Definición de acuerdo con la Directiva 1999/92/EC (ATEX 153) *Definition in accordance with 1999/92/EC Directive (ATEX 153)* **Définition en accord á la Directive 1999/92/EC (ATEX 153)**	**Valores de referencia (no estandarizados)** *Reference values (not standardised)* **Valeurs de référence (non standardisés)**	**Zona** *Zone* **Zone**	**Debe usarse un aparato de la siguiente categoría (ver la Directiva 1999/92/EC - ATEX 153)** *A device from the following device category must be used (see 1999/92/EC-ATEX 153 Directive)* **On doit utiliser un appareil de la catégorie suivante (Voir la Directive 1999/92/EC - ATEX 153)**	**e**
Área donde con frecuencia o bien durante un largo periodo de tiempo está presente una atmósfera potencialmente explosiva mezcla de aire y gases inflamables, vapores o niebla. / *Area in which a potentially explosive atmosphere as a mixture of air and flammable gases, vapours or mists is present either frequently or over a prolonged period.* / Aire oú fréquemment ou durant une longue prériode, une atmosphére potentiellement explosive avec un mélange d'air et de gaz inflammable, de vapeurs ou de brouillard, est présente.	P>1000 h/a	0	1	G
Área donde bajo un funcionamiento normal puede formarse ocasionalmente una atmósfera potencialmente explosiva mezcla de aire y gases inflamables, vapores o niebla. / *Area in which under normal operation a potentially explosive atmosphere as a mixture of air and flammable gases, vapours or mists can occasionally form.* / Aire dans laquelle en conditions normales, peut se former occasionellement une atmosphére potentiellement explosive avec un mélange d'air et de gaz inflammable, de vapeurs ou de brouillard.	10…1000 h/a	1	2 (1G también posible / *also possible* / aussi possible)	G
Área donde bajo un funcionamiento normal no se presenta normalmente una atmósfera potencialmente explosiva aunque puede presentarse durante un breve periodo de tiempo. / *Area in which under normal operation a potentially explosive atmosphere as a mixture of air and flammable gases, vapours wor mists is not normally present but may occur for just a short period.* / Aire dans laquelle en conditions normales, il n'y a pas d'atmosphére potentiellement explosive, malgré une possibilité d' apparition sur de courtes durées.	<10 h/a	2	3 (1G, 2G también posible / *also possible* / aussi possible)	G
Área donde está presente constantemente, durante periodos prolongados o bien con frecuencia, una atmósfera potencialmente explosiva en forma de nube de polvo inflamable. / *Area in which a potentially explosive atmosphere in the form of a cloud of flammable air-borne dust is present either constantly, over prolonged periods or frequently.* / Aire dans laquelle, une atmosphére potentiellement explosive en forme de nuage de poussiére inflammable, est constante ou présente sur de longues durées.	>1000 h/a	20	1	D
Área donde bajo un funcionamiento normal puede formarse una atmósfera potencialmente explosiva en forma de nube de polvo inflamable. / *Area in which under normal operation a potentially explosive atmosphere in the form of a cloud of flammable air-borne dust can occasionally form.* / Aire dans laquelle, en conditions normales, une atmosphére potentiellement explosive sous forme de nuage de poussiéres inflammables, peut se former.	10…1000 h/a	21	2 (1D también posible / *also possible* / aussi possible)	D
Área donde bajo un funcionamiento normal no se presenta normalmente una atmósfera potencialmente explosiva en forma de nube de polvo inflamable aunque puede presentarse durante un breve periodo de tiempo. / *Area in which under normal operation a potentially explosive atmosphere in the form of a cloud of flammable air-borne dust is not normally present although may occur for just a short period.* / Aire dans laquelle en conditions normales, une atmosphére potentiellement explosive sous forme de nuage de poussiéres n'est pas présente, mais peut apparaître un bref instant.	<10 h/a	22	3 (1D, 2D también posible / *also possible* / aussi possible)	D

División en Clases de Temperatura

La indicación de la clase de temperatura puede garantizarse sólo si se respeta la temperatura ambiente especificada para el aparato en uso (mirar datos técnicos o chapa de características). Su estricto cumplimiento es un requisito obligatorio.

Una vez que la máxima temperatura superficial de cualquier aparato alcance la temperatura de ignición de la atmósfera Ex circundante, puede ocurrir una explosión.

Debido a esto, todo equipo-material clasificado dentro del Grupo II se divide en clases de temperatura. Para tener en cuenta la posibilidad de atmósferas Ex potenciales, la temperatura de ignición más baja debe ser mayor que la máxima temperatura superficial.

Division into Temperature Classes

The temperature class indication can be guaranteed only if the ambient temperature specified for the operating device is respected (seeTechnical Data or Rating Plate). Strict compliance is a mandatory requirement.

Once the maximum surface temperature of any apparatus reaches the ignition temperature of the surrounding hazardous atmosphere an explosion can occur.

Because of this, all equipment classified to Group II is divided into temperature classes. To allow for the possibility of potential hazardous atmospheres, the lowest ignition temperature must always be higher than the maximum surface temperature.

Division en classes de températures

L'indication de la classe de température peut être garantie uniquement si nous respectons la température ambiante, spécifiée pour l'appareil en fonctionnement (voir les renseignements techniques ou la table de caractéristiques). Son application stricte est une obligation.

Quand la température superficielle maximale de tout appareil atteint la température d'ignition de l'atmosphère Ex circulant, il peut se produire une explosion.

C'est pour cela, que tout équipement - matériel classifié dans le Groupe II, est divisé en classes de températures. Pour prendre en compte, la possibilité d'atmosphère Ex potentielle, la température d'ignition la plus basse doit être supérieure á la température maximale superficielle.

Clases de temperatura de gases inflamables y vapores y temperaturas superficiales permitidas del aparato en uso de acuerdo con la DIN EN 50014
Temperature classes of flammable gases and vapours and permitted surface temperatures of the operating device in accordance with DIN EN 50014
Classes de températures de gaz inflammables et de vapeurs et de températures superficielles autorisées pour l'appareil utilisé en accord avec la norme DIN EN 50014

Clase de temperatura *Temperature class* **Classe de température**	T1	T2	T3	T4	T5	T6
Temperatura de ignición (°C) *Ignition temperature in °C* **Température d'ignition (°C)**	>450	>300	>200	>135	>100	>85
Máxima temperatura superficial (°C) *Maximum temperature in C°* **Température maximum superficielle (°C)**	450	300	200	135	100	85
Ejemplos: *Examples:* **Examples:**	Propano / *Propane* / Propane Metano / *Methane* / Méthane Amoniaco / *Ammoniac* / Ammoniac	Etileno / *Ethylene* / Ethyléne Alcoholes / *Alcohols* / Alcools Acetileno / *Acetylene* / Acéthyléne	Petróleo / *Petrol* / Pétrole Disolventes / *Solvents* / Dissolvents	Etiléter / *Ethylether* / Etiléther Acetaldehído / *Acetaldehyde* / Acetaldehyde	-	Disulfuro de carbono / *Carbon-disulphide* / Disulfure de carbone

Por debajo del nivel de explosión
Below Explosive Level
Au dessous du niveau d'explosion

Mezcla pobre / *Mixture to thin* / Mélange pauvre
No combustión / *No combustion* / Pas d'explosion
No explosión / *No explosion* / Pas d'explosion

Área Ex / *Explosive Area* / Zone Ex



Por encima del nivel de explosión
Above Explosive Level
Au dessus du niveau d'explosion

Mezcla rica / *Mixture too rich* / Mélange riche
Combustión parcial / *Partial combustion* / Combustion partielle
No explosión / *No explosion* / Pas d'explosion

100 % **Concentración de aire / *Concentration of air* / Concentration d'air** **0 %**

0 % **Concentración de substancia / *Concentration of substance* / Concentrationde substance** **100 %**

Las explosiones dependen de muchos parámetros.

Sólo para condiciones atmosféricas y sustancias puras se muestran valores y datos suficientemente comparativos. Una explosión puede ocurrir solamente donde una sustancia inflamable en forma de gases, vapores, humos y polvo se encuentra con suficiente oxígeno para alimentar la combustión y allí es donde se localiza la fuente de ignición.

Ejemplo:

Hidrógeno: entre 4,0 y 77,0 % en aire
Propano: entre 1,7 y 10,6 % en aire
Amoniaco: entre 15,4 y 33,6 % en aire
Metano: entre 4,4 y 16,5 % en aire

Explosions are dependent on many parameters.

Only for atmospherical conditions and pure substances sufficient comparative values and data are shown. An explosion can only occur where a flammable substance in the form of gases, vapours, smoke and dust exists along with sufficient oxygen to support -combustion and there is a source of ignition.

E.g.:

Hydrogen: 4,0 to 77,0 % in air
Propane: 1,7 to 10,6 % in air
Ammonia: 15,4 to 33,6 % in air
Methane: 4,4 to 16,5 % in air

Les explosions dépendent de beaucoup de paramètres.

Uniquement pour des conditions atmosphériques et des substances pures nous pouvons montrer des valeurs et des données suffisamment comparables. Une explosion peut se produire uniquement en présence de substances inflammables sous forme de gaz, de vapeurs, de fumées et de poussiéres, avec suffisamment d'oxygéne pour alimenter la combustion, c'est, lá que se trouve la source de l'ignition.

Exemple:

Hydrogéne: entre 4,0 et 77,0 % dans l'air
Propane: entre 1,7 et 10,6 % dans l'air
Ammoniac: entre 15,4 et 33,6 % dans l'air
Méthane: entre 4,4 et 16,5 % dans l'air

FUNDAMENTOS DE LA PROTECCIÓN FRENTE A LA EXPLOSIÓN DE POLVO
FUNDAMENTALS OF DUST EXPLOSION PROTECTION
BASES DE LA PROTECTION CONTRE L'EXPLOSION DE POUSSIÉRES

Principios fundamentales:

El fabricante de aparatos en uso en áreas definidas como potencialmente explosivas por causas del polvo debe indicar la máxima temperatura superficial de todos los aparatos en los que el polvo pueda penetrar (usualmente expresado en °C –la indicación de la clase de temperatura debería evitarse aquí). Esta temperatura es parte de la denominación Ex.

Ejemplos de denominación:

Ⓔx II 2 D T90°C IP64

(Si el tipo de protección frente a la ignición está basado en la carcasa, el ratio de protección de la carcasa debería también estar indicado por un código IP.)

o

Ⓔx II 2 D Ex iaD 21 T96°C

(Este aparato ya ha sido aprobado de acuerdo al nuevo estándar legal IEC "Seguridad Intrínseca del Polvo") – "iaD". Este estándar legal especifica que la denominación también contenga la zona correspondiente –en este caso 21).

Protección frente a la explosión de polvo - temperatura:

Los parámetros de combustión y explosión para el polvo dependen de su condición. Los parámetros que afectan al comportamiento de la combustión y la explosión incluyen el tamaño de las partículas, la forma de las partículas, el contenido de agua, la pureza y donde sea aplicable, el contenido de disolventes inflamables. La distribución del tamaño de las partículas y el valor medio (valor promedio de los tamaño de partícula) debería también ser conocido.

De acuerdo con la Directiva 1999/92/EG (ATEX 153, reemplazando a: ATEX 137), el operario del sistema/empleado está obligado a hacer una evaluación sobre el peligro y debe por tanto saber la mínima temperatura de quemado del polvo.

Existen simples cálculos para determinar las dos "temperaturas" y son:

a) Temperatura límite 1 = 2/3 de la temperatura mínima de ignición.
b) Temperatura límite 2 = temperatura mínima de ignición * menos 75K.

Estas 2 temperaturas límite deben ser examinadas para confirmar cuál de ellas garantiza la mayor seguridad.

Ejemplo 1:

Temperatura mínima de ignición = +330 °C

Temperatura mínima de quemado = +300 °C

a) Temperatura límite 1 = 2/3 x + 330 °C = +220 °C
b) Temperatura límite 2 = +300 °C – 75K = +225 °C

Fundamental principles:

The manufacturer of operating devices for areas rendered potentially explosive through dust must indicate the maximum surface temperature of all devices that dust can penetrate (usually expressed in °C –indication of the temperature class should be avoided here). This temperature is part of the dust Ex-designation.

Designation examples:

Ⓔx II 2 D T90°C IP64

(If the ignition protection type is based on the housing, the housing protection rating should also be stated as an IP Cede.)

or

Ⓔx II 2 D Ex iaD 21 T96°C

(This device has already been approved according to the new IEC de-jure standard "Intrinsic Dust Safety") – "iaD". This de jure standard specifies that the designation also contains the corresponding zone –in this case 21.)

Dust explosion protection - temperature:

Combustion and explosion parameters for dusts depend on the their condition. Parameters that affect combustion and explosion behaviour include particle size, particle shape, water content, purity and where applicable the content of the flammable solvents. The particle size distribution and the mean value (value for average particle size) should also be known.

In accordance with 1999/921/G Directive (ATEX 153, replacing: ATEX 137), the system operator employer is obliged to make a hazard assessment and must therefore be aware of the minimum glow temperature of the dust.

There are simple calculations to determine the two "temperatures" and they are carried out thus:

a) Limit temperature 1 = 2/3 of minimum ignition temperature
*b) Limit temperature 2 = minimum ignition temperature * mines 75°K*

These two limit temperatures must now be examined to confirm which guarantees the greater safety.

Example 1:

Minimum ignition temperature = +330°C

Minimum glow temperature = +300°C

a) Limit temperature 1 = 2/3 x +330°C = +220°C
b) Limit temperature 2 = +300°C - 75°K = +225°C

Greater safety:
Limit temperature (1) = +220°C

Here a device with a max. surface temperature in the event of failure ≤ +220°C must be used.

Principes fondamentaux:

Le fabricant de matériel, destiné aux aires définies comme potentiellement explosives á cause de la poussiére, doit indiquer la température maximum superficielle sur tous les appareils, á laquelle la poussiére peut entrer (normalement exprimée en °C –l'indication de la classe de température devrait être évitée). Cette température fair partie de la désignation Ex.

Exemples de désignations:

Ⓔx II 2 D T90°C IP64

(Si le type de protection contre l'ignition est sur la carcasse, le ratio de protection de la carcasse devrait aussi être indiqué par un code IP.)

ou

Ⓔx II 2 D Ex iaD 21 T96°C

(Cet appareil a été déjá certifié suivant la nouvelle norme légale IEC "Sécurité intrinséque de la poussiére") – "iaD". Cette norme légale spécifie que la dénomination inclus aussi la zone correspondante, dans ce cas 21.)

Protection contre l'explosion de poussiére - température:

Les paramétres de combustion et d'explosion de la poussiére dépendent de sa forme. Les paramétres qui conditionnent le comportement de la combustión et de l'explosion, inclusent la taille, la forme des particules, le contenu de l'eau, la pureté et son lieu d'application, le contenu des dissolvents inflammables. La répartition de la dimension des particules et la valeur moyenne (valeur moyenne de la taille des particules) devrait être aussi connue.

En accord avec la directive 1999/92/EG (ATEX 153, remplacant: ATEX 137), l'opérateur du systéme/employé est obligé de faire une évaluation du risque et doit connaître au minimum la température minimale de combustion de la poussiére.

Il existe de simples calculs pour déterminer les deux "températures" et ce sont:

a) Température límite 1 = 2/3 de la température mínimale d'ignition
b) Température límite 2 = température mínimale d'ignition * moins 75K

Ces deux températures minimales doivent être connues pour confirmer laquelle fournit la plus grande sécurité

Exemple 1:

Température minimum d'ignition = +330°C

Température minimum de combustion = +300°C:

a) Température límite 1 = 2/3 x +330°C = +220°C
b) Température límite 2 = +300°C - 75K= +225°C

Plus grande sécurité:
Température límite (1) = +220°C

Mayor seguridad:
Temperatura límite (1) = +220 °C

Aquí debe usarse un aparato con una temperatura superficial máxima en caso de fallo ≤+220 °C. Según lo indicado, la denominación del aparato incluye el valor correspondiente.

Ejemplo 2:

Temperatura mínima de ignición = +186 °C
Temperatura mínima de quemado = +180 °C

a) Temperatura límite 1 = 2/3 x +186 °C = +124 °C

b) Temperatura límite 2 = +180 °C – 75K = +105 °C

Mayor seguridad:
Temperatura límite (2) = +105 °C

Aquí debe usarse un aparato con una temperatura superficial máxima en caso de fallo ≤+105 °C.

* El valor para la temperatura de quemado se aplica con capas de polvo de espesores de 5 mm. La temperatura de seguridad debe incrementarse para mayores espesores de capa.

Caso especial - Aparatos de Categoría 3

A diferencia de los aparatos de Categoría 1 y 2, para los aparatos de Categoría 3 (de uso solamente en las Zonas 2 y 22 respectivamente) no deben tenerse en cuenta los peligros potenciales en caso de fallo (cortocircuitos, conexiones rotas, etc.). El aparato se evalúa solamente respecto a los peligros durante un funcionamiento normal. Es relativamente poco probable que el aparato falle al mismo tiempo que se presenta una breve atmósfera explosiva. Por lo tanto no se requiere ningún Certificado de Test de Aprobación del TipoEC para los aparatos de Categoría 3. El fabricante puede confirmar que el aparato en uso cumple con el pertinente estándar. Sin embargo, los aparatos **EGA Master** de Categoría 3 están todavía siendo probados por un centro de certificación y **EGA Master** está por ello concediendo declaraciones de conformidad. (Naturalmente, los aparatos de Categoría 2 también ofrecen una significativa seguridad en las Zonas 2 y 22 respectivamente).

As stated, the device designation includes a corresponding value.

Example 2:

Minimum ignition temperature = +186°C
Minimum glow temperature = +180°C:

a) Limit temperature 1 = 2/3 x +186°C = +124°C

b) Limit temperature 2 = +180°C – 75°K = +105°C

Greater safety:
Limit temperature (2) = +105°C

Here a device with a max. surface temperature in the event of failure ≤ +105°C must be used.

** The value for the glow temperature applies with a dust layer thickness of 5mm.The temperature safety distance must be increased for larger layer thicknesses.*

Special case - Category 3 devices

In contrast to Category 1 and 2 devices, potential hazards in the event of failure (e.g. short circuiting, connection break etc.) do not have to be considered for Category 3 devices (for use only in Zones 2 respectively 22). The device is evaluated only in respect of hazards during normal operation, it is relatively unlikely that the device should fail at the same time as a short-term explosive atmosphere is present No EC Type Approval Test Certificate is therefore required for Category 3 operating devices. The manufacturer may confirm that the operating device complies with the relevant standard. Nonetheless, ***EGA Master*** *Category 3 devices are still tested by a certified centre and.* ***EGA Master*** *is then awarded a declaration of conformity. (Of course, Category 2 operating devices also offer significantly greater safety in Zones 2 respectively 22.)*

Dust explosions – albeit of a predominantly minor nature – occur relatively frequently.

A leaflet issued by the Government Safety Organisation of the Federal Republic of Germany states:

"According to documentation published by property insurers, it can be assurned that an average of one dust explosion per day occurs in the Federal Republic of Germany; around one in four of these explosions are caused by foodstuff or animal feed dusts."

Ici, nous devons utiliser un appareil d'une température maximale superficielle en cas de probléme ≤+220°C. Suivant l'indication, la dénomination de l'appareil inclut la valeur correspondante.

Exemple 2:

Température minimale d'ignition = +186°C

Température minimum de combustion = +180°C:

a) Température límite 1 = 2/3 x +186°C = +124°C

b) Température límite 2 = +180°C – 75K = +105°C

Plus grande sécurité:
Température límite (2) = +105°C

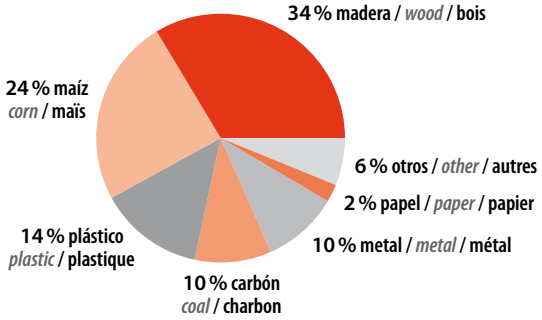
Dans ce cas nous devons utiliser un appareil avec une température superficielle maximum en cas de probléme de ≤+105°C.

* La valeur pour la température de combustión s'applique sur les couches de poussiére les plus épaisses de 5 mm. La température de sécurité doit être augmentée pour de plus grandes épaisseurs de couche.

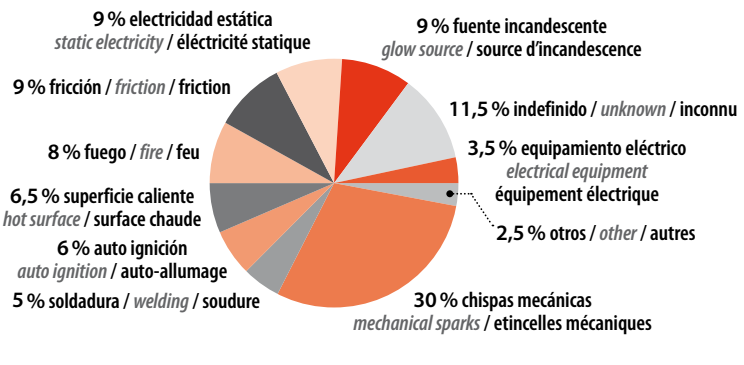
Cas particulier - Appareils de Catégorie 3

A la différence des appareils de catégories 1 et 2, pour les appareils de catégorie 3 (d'utilisation uniquement en zones 2 et 22 respectivement) nous ne prenons pas en compte les dangers potentiels dus aux pannes (courcircuits, connexions défaillantes, etc.). L'appareil est uniquement évalué pour les dangers en fonctionnement normal. Il est relativement peu probable que l'appareil aie un probléme en même temps que la présence bréve d'une atmosphére explosive. Le Certificat de Test de contrôle du type EC n'est pas obligatoire pour les appareils de catégorie 3. Le fabricant peut confirmer que l'appareil utilisé remplit les conditions de la norme. Mais, les appareils **EGA Master** de Catégorie 3 sont testés par un centre de certification et c'est pour cela qu'**EGA Master** délivre une déclaration de conformité. (Naturellement, les appareils de catégorie 2 offrent aussi une sécurité significative dans les Zones 2 et 22 respectivement).

EXPLOSIONES DE POLVO POR TIPO DE POLVO
DUST EXPLOSIONS BY DUST TYPE
EXPLOSIONS DE POUDRE PAR TYPE DE POUDRE



FUENTES DE IGNICIÓN DE APARATOS ELÉCTRICOS
IGNITION SOURCES BY ELECTRICAL OPERATING DEVICE TYPE
SOURCES D'IGNITION D'APPAREILS ÉLECTRIQUES



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

Las explosiones por polvo –aunque su existencia sea de naturaleza menor– ocurren relativamente con mucha frecuencia.

Un folleto informativo de la Organización Gubernamental de la Salud de la República Federal de Alemania afirma:

"De acuerdo a la documentación publicada por las aseguradoras, se establece que ocurre por media una explosión por polvo al día en la República Federal de Alemania, de las cuales una cuarta parte es causada por polvos de alimentación."

Las explosiones por polvo son un problema global. En EE.UU., entre 1980 y 1990, por ejemplo, se registraron aleredeor de 200 explosiones por polvo serias con polvos de alimentación, siendo causa de 54 muertes, 256 heridos y un daños a la propiedad de más de 165 millones de dólares.

Las fuentes de ignición de aparatos eléctricos representan solamente una pequeña proporción de las causas de ignición por polvo existentes –debido principalmente a las medidas de seguridad establecidas para la construcción de plantas eléctricas en zonas potencialmente explosivas.

La introducción de la regulación en plantas eléctricas en áreas potencialemte explosivas –ElexV" [1.4]– en 1980 especificó un tipo de certificado para los instrumentos eléctricos usados en la Zona 10 (desde 01.07.2003 en las Zonas 20 y 21).

Los instrumentos "protegidos contra explosiones por polvo", cuya temperatura superficial permanece por debajo del límite aceptable para una capa de polvo estandarizada de 5 mm, pueden, aun cuando exista un certificado oficial, convertirse en fuente de peligro si, contrariamente a las condiciones, se cubren completamente por una capa espesa de polvo.

Dust explosions are a world-wide problem. Between 1980 and 1990 in the USA, for example, some 200 serious foodstuff or animal feed related dust explosions were recorded, causing 54 deaths, 256 injuries and property damage amounting to 165 million US dollars.

Electrical operating devices represent only a small proportion of the ignition sources found to cause dust explosions –not least due to the safety stipulations in the regulations for erecting electrical plants in potentially explosive areas.

The introduction of the (Regulation on electrical plants in potentially explosive areas) –ElexV" [1.4]– in 1980 specified a type examination certificate for electrical operating devices used in Zone 10 (from 01.07.2003 in Zones 20 and 21).

"Dust explosion-protected" operating devices, the surface temperatures of which lies below the acceptable limit for standardised dust thickness of 5mm, can, despite the existence of an official test certificate, become a danger source if, contrary to the conditions, they become covered or completely encased with a thick layer of dust.

Les explosions par la poussiére –malgré que leurs éxistences á l'état naturel ne sont pas fréquentes– elles se produisent relativement souvent.

Un dossier d'information de l'Organisation Gouvernementale de la Santé de la République fédérale allemande affirme que:

"Conformément á la documentation publiée para les compagnies d'Assurance, il est établi qu'il se produit chaque jour, en RFA, une explosion par la poussiére, dont d'entre elles sont provoquées par des poussiéres alimentaires."

Les explosions par la poussiére sont un probléme global. En EEUU, entre 1980 et 1990, par exemple, furent dénombrées plus de 200 explosions sérieuses par la poussiére alimentaire, provoquant 54 morts, 256 blessés et des destructions matérielles evalúes á 165 millions de dollars.

Les sources d'ignition d'appareils électriques représentent uniquement une petite proportion des causes d'ignition par les poussiéres existentes –Cela du principalement aux mesures de sécurité établies pour la construction d'usines électriques en zones potentiellement explosives.

L'introduction de la régulation dans les usines électriques dans des aires potentiellement explosives –ElexV" [1.4]– en 1980 précisa un type de certificat pour les appareils électriques utilisés en zone 10 (depuis 01.07.2003 dans les zones 20 et 21).

Les appareils "protégés contre les explosions par la poussiére", dont la température superficielle reste au-dessous de la limite aceptable pour une couche de poussiére d'une épaisseur standardisée de 5mm, peuvent, quand il existe un certificat officiel, devenir une source de danger si, contrairement aux conditions ils sont totalement couvert d'une épaisse couche de poussiére.

TIPOS DE PROTECCIÓN CONTRA IGNICIÓN
TYPES OF IGNITION PROTECTION
TYPES DE PROTECTIONS CONTRE L'IGNITION

Tipo de ignición "n"

La protección contra ignición n se puede aplicar únicamente para aparatos de la categoría 3, empleados en áreas clasificadas como potencialmente explosivas por gases. Como aquí no se considera la operación normal y no se contemplan fallos de equipo, se dan pocas diferencias en la designación del tipo de protección contra ignición:

- **nA** Equipo eléctrico antichispa (máquinas rotativas, fusibles, lámparas, indicadores y equipamiento de baja energía).
- **nC** Equipos con generación de chispa o altas temperaturas superficiales en condiciones operativas.
- **nR** Carcasa a prueba de vapores.
- **nL** Equipamientos y circuitos de baja energía.
- **nP** Carcasa contra sobrepresiones.

Ignition protection type "n"

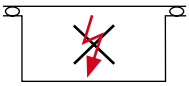
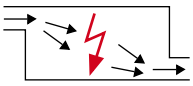
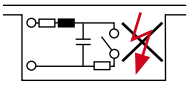
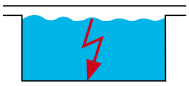
Ignition protection type n is applicable only for Category 3 operating devices used in areas rendered potentially explosive by gases. Because only normal operation and no equipment failures are considered here, small differences occur in the designation for ignition protection type:

- ***nA*** *Non-sparking electrical equipment (revolving machines, fuses, lamps, gauges and equipment with low energy).*
- ***nC*** *Sparking equipment or equipment with hot surface under operating conditions (dosed indexing mechanism and non-ignitable components, air-tight equipment, leak-proof sealed equipment.*
- ***nR*** *Vapour-proof casing.*
- ***nL*** *Equipment and circuit with limited energy.*
- ***nP*** *Simplified overpressure casing.*

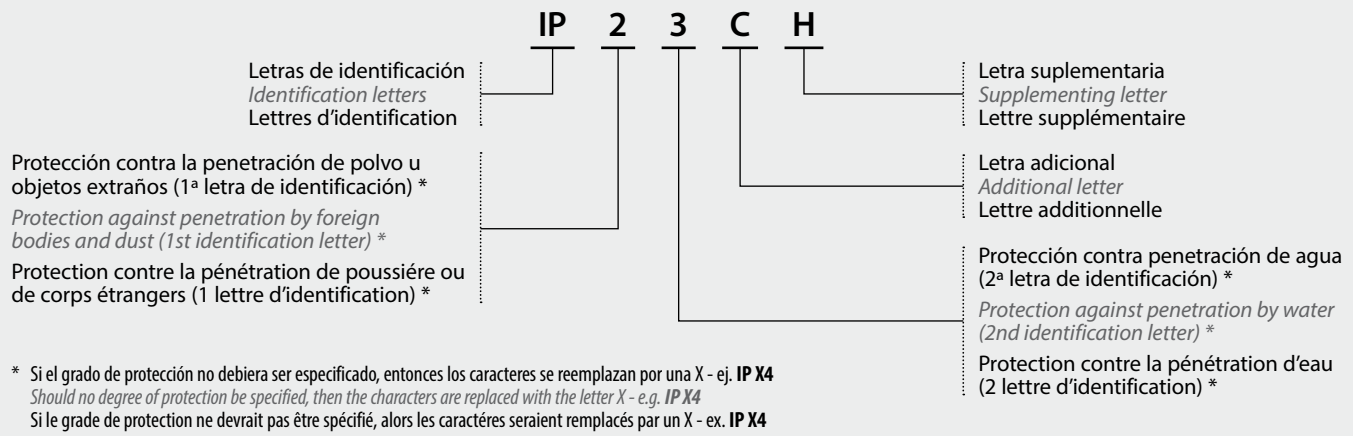
Type d'ignition "n"

La protection contre l'ignition ne peut être appliquée uniquement pour des appareils de catégorie 3, utilisés sur des aires classées comme potentiellement explosives par des gaz. Comme ici, l'opération n'est pas considérée normale, et nous ne tenons pas compte des pannes de l'équipement, il y a peu de différences dans la désignation du type de protection contre l'ignition:

- **nA** Équipement électrique anti-déflagrant (machines rotatives, fusibles, lampes, indicateurs et équipement de basse tension)
- **nC** Equipements générateurs d'étincelles ou de hautes températures superficielles en conditions opérationnelles.
- **nR** Carcasse á l'épreuve des vapeurs.
- **nL** Equipements et circuits de basse tension.
- **nP** Carcasse contre les surpressions.

Forma de la protección contra ignición *Form of ignition protection* **Forme de la protection contre l'ignition**		**Descripción esquemática** *Schematic description* **Description schématique**	**Principio básico** *Basic principie* **Principe de base**	**Standard**
General			Precauciones generales de diseño y comprobación del material eléctrico diseñado para zonas Ex. *General provisions for the design and testing of electrical equipment which is designed for the ex range.* Dispositions générales pour le dessin et le test électrique equipement désigné par le Zone ex.	EN 50014
Seguridad incrementada *Increased safety* **Sécurité augmentée**	e		Sólo se aplica a equipos o componentes que normalmente no generan arcos o chispas, no consiguen altas temperaturas y los voltajes principales no superan 1 kV. *Only applies to equipment or the components of which usually do not generate sparks or arcs, do not adopt dangerous temperatures and the mains voltage of which does not exceed 1 kV.* S'appliquent uniquement á des appareils ou des composants qui normalement ne génèrent pas d'arcs ni d'étincelles, n'arrivent pas á de hautes températures et á des voltage principaux inférieurs 1kV.	EN 50 019 IEC 60 079-7 FM 3600 UL 2279
Carcasa a prueba de presión *Pressure-proof casing* **Carcasse á l'épreuve de la pression**	d		En caso de ignición dentro de la carcasa, la explosión es contenida en el interior. *In the case of an ignition inside the casing, the explosion is contained within the casing.* En cas d'ignition á l'intérieur de la carcasse, l'explosion est contenue.	EN 50 018 IEC 60 079-1 FM 3620 UL 2279
Presurización *Pressurisation* **Préssurisation**	p		La fuente de ignición esta sellada por un gas protector de ignición bajo presión. La atmósfera medioambiental no puede introducirse en el gas protector de ignición. *Ignition source is sealed in by an ignition protection gas which a under overpressure (mind, 0.5 mbar) Ignition protection gas the environment atmosphere cannot enter.* La source d'ignition est isolée par un gaz protecteur sous pression. L'atmosphére du milieu-ambiant ne peut entrer en contact avec le gaz protecteur.	EN 50016 IEC 60 079-2 FM 3620 NFPA 496
Seguridad intrínseca *Intrinsic safety* **Sécurité intrinséque**	i		Se evitan arcos, chispas y altas temperaturas a través de la restricción en la energía del circuito. *By restriction of the energy in the circuit the development of inadmissibly high temperatures, ignition sparks and arcs are avoided.* On évite les arcs, les étincelles et les hautes températures au travers de la restriction de l'énergie du circuit.	EN 50 020 IEC 60 079-11 FM 3610 UL 2279
Inmersión en aceite *Oil immersion* **Immersion dans l'huile**	o		El equipo o parte de él es sumergido en aceite, el cual los separa del ambiente. *Equipment or parts of the equipment are put into an oil casing - by which they are separated from the ex atmosphere.* Tout ou partie de l'équipement est immergé dans de l'huile, ce qui l'isole de l'air ambiant.	EN 50 015 IEC 60 079-6 FM 3600 UL 2279
Relleno de polvo *Powder filling* **Rempli de poussiére**	q		La fuente de ignición esta encapsulada en arena de grano fino, lo que evita que el ambiente EX no pueda ser prendido por un arco. *Ignition source encased by fine-grained sand -the enviroment ex atmosphere cannot be ignited by an arc.* La source d'ignition est capsulée dans du sable trés fin, ce qui évite que l'air ambiant EX ne puisse être atteint par un arc.	EN 50 017 IEC 60 079-18 FM 3600
Encapsulación *Encapsulation* **Capsulage**	m		Encapsulando la fuente de ignición en un material lechoso, no puede prender la atmósfera Ex. *By encapsulating the ignition source into a grouting material, it cannot ignite an ex atmosphere.* La source d'ignition est capsulée dans un matériau laiteux, elle ne peut être atteinte par l'atmosphére Ex.	EN 50 028 IEC 60 079-18 FM 3600 UL 2279
No incendiara *Non-incendive* **Pas d'allumage**	n	Zona 2. En esta forma de protección contra la ignición se combinan varios métodos de protección contra la ignición. *Zone 2. In this form of ignition protection multiple methods of ignition are combined.* Zone 2. Dans cet etui de protection contre l'ignition multiples methods d'ignition protection est combimée.	Aplicación ligeramente simplificada de otras formas de protección contra la ignición de la zona 2 - "n" simboliza "no incendiaria". *Slightly simplified application of other zone-2 forms of ignitioh protection - "n" stands for "non-incendive".* Application trés simple de une autre zone-2 forme of ignition protection - "n" stands for "non-incendive".	EN 50 021 IEC 60 079-15

GRADO DE PROTECCIÓN IP
IP DEGREE PROTECTION
IP GRADE DE PROTECTION



* Si el grado de protección no debiera ser especificado, entonces los caracteres se reemplazan por una X - ej. **IP X4**
Should no degree of protection be specified, then the characters are replaced with the letter X - e.g. ***IP X4***
Si le grade de protection ne devrait pas être spécifié, alors les caractéres seraient remplacés par un X - ex. **IP X4**

1ª letra ident *1st ident letter* 1 lettre ident	Grado de protección *Degree of protection* Grade de protection	Símbolo *Symbol* Symbole
0	Sin protección. / *No protection.* / Sans protection.	
1	Protección contra penetración de partículas extrañas de gran tamaño, 0>50 mm. Sin protección contra acceso intencionado. / *Protection against penetration by large foreign bodies, 0>50 mm. No protection against intentional access.* / Protection de pénétration de particules étrangéres de grande taille, 0>50 mm. Sans protection contre une entrée volontaire.	
2	Protección contra penetración de partículas extrañas de pequeño tamaño 0>12,5 mm, exclusión de dedos u objetos similares. / *Protection against small foreign bodies, 0>12,5 mm, exclusion of fingers or similar objects.* / Protection contre la pénétration de particules étrangéres de petite taille, 0>12,5 mm, exclusión faite de doigts ou objets similaires.	
3	Protección contra penetración de partículas extrañas de pequeño tamaño, 0>2,5 mm, exclusión de herramientas, cables u objetos similares. / *Protection against small foreign bodies, 0>2,5mm, exclusion of tools, wires or similar objects.* / Protection contre la pénétration de particules étrangéres de petite taille, 0>2,5 mm, hors outils, cables ou objets similaires.	
4	Protección contra partículas granulares, 0>1mm, exclusión of herramientas, cables u objetos similares. / *Protection contre des particules granuleuses, 0>1mm, hors outils, cables ou objets similaires.* / Protection contre des particules granuleuses, 0>1mm, hors outils, cables ou objets similaires.	
5	Protección contra deposiciones de polvo (protección contra polvo), exclusión completa de accesso. / *Protection against dust deposits (dustprotected), complete exclusion of access.* / Protection contre des dépots de poussiéres (protection contre poussiére), totalement hermétique.	
6	Protección total contra deposiciones de polvo (protección contra polvo), exclusión completa de acceso. / *Totally protection against dust deposits (dust protected), complete exclusion of access.* / Protection totale contre dépositions de poussierè (protection contre poussierè), complète exclusion d'accès.	

1ª letra ident *1st ident letter* 1 lettre ident	Grado de protección *Degree of protection* Grade de protection	Símbolo *Symbol* Symbole
0	Sin protección. / *No protection.* / Sans protection.	
1	Protección contra caída de agua cayendo de forma vertical. / *Protection against drops of water falling vertically (water drop).* / Protection contre la tombée d'eau de forme vertical.	
2	Protección contra caída de agua en ángulo, inclinado a 15° de la posición normal de operación. / *Protection against water falling at an angle (water drop), inclined at 15° to the normal operating position.* / Protection contre des chutes d'eau, inclinées a 15° par rapport á la position normale.	
3	Protección contra spray de agua, hasta 60° de la vertical. / *Protection against water spray, up to 60° from the vertical.* / Protection contre des brumisations, jusqu'á 60° de la verticale.	
4	Protección contra salpicaduras de agua desde cualquier dirección. / *Protection against water splashes from any direction.* / Protection de projections d'eau de toutes directions.	
5	Protección contra chorro de agua desde cualquier dirección. / *Protection against water jet from any direction.* / Protection de jets d'eau provenant de toutes directions.	
6	Protección contra mar ajetreado o fuerte chorro de agua (Protección contra inundaciones). / *Protection against heavy sea or strong water jet (Flooding protection).* / Protection contre une tempête ou un fort jet d'eau (Protection contre les inondations)	
7	Protección contra inmersión en agua a cierta presión durante cierto tiempo. / *Protection against submersion in water at a certain pressure and for a certain period.* / Protection contre immersion en l'eau à certaine pression et pendant certain temps.	
8	Proteccion contra inmersión en agua continua. / *Protection against continuous submersion in water.* / Protection totale contre une immersion dans l'eau.	

Letra adicional *Aditional letter* Lettre additionnelle	Significado (facultativo) *Significante (facultative)* Significatif (facultatatif)
A	Parte posterior de la mano / *Back of the hand* / Partie postérieure de la main
B	Dedo / *Finger* / Doigt
C	Herramientas / *Tools* / Outils
D	Cable / *Wire* / Cable

Letra suplementarial *Supplementing letter* Lettre suplémentaire	Significado (facultativo) *Significante (facultative)* Significatif (facultatatif)
H	Aparato de alto voltaje / *High voltage apparatus* / Appareil de haut voltage
M	Máquina en marcha / *Machine running* / Machine en marche
S	Máquina parada / *Machine not running* / Machine arrêtée
W	Condiciones meteorológicas / *Weather conditions* / Conditions météorologiques

DIVISION POR ZONAS
DIVISION INTO ZONES
DIVISION PAR ZONES

La seguridad es nuestra primera prioridad

En todos los lugares donde se produzcan, procesen, transporten o almacenen substancias inflamables, la seguridad es extremadamente importante, especialmente en las industrias químicas y petroquímicas, en la producción de petróleo y gas natural y en la minería.

Con el objetivo de proveer el mayor nivel de seguridad, la mayoría de las legislaciones estatales han desarrollado leyes y regulaciones al respecto. En un entorno cada vez más globalizado, se han dado pasos importantes en la estandarización y puesta en común de las guías a seguir en la protección contra explosiones. Es la Unión Europea la que abandera este camino. La directiva 94/9/EG supuso el comienzo hacia la unificación. Desde el 1 de julio de 2003 todos los aparatos deben estar aprobados según esta directiva.

Significado de la clasificación por zona:

- **Zona 0/20:** Peligro presente en todo momento, por largos periodos de tiempo o frecuentemente.
- **Zona 1/21:** Peligro presente ocasionalmente.
- **Zona 2/22:** Peligro presente de forma poco frecuente o por corto espacio de tiempo.

Safety is our first priority

At all places where inflammable substances are produced, processed, transported or stored, safety is extremely important, especially in the chemical and petrochemical industry, in oil and natural gas production and in mining.

In order to provide the highest level of safety possible, most state's legislations have developed corresponding conditions in the form of laws, regulations and standards. In the course of globalisation, enormous progress could be made in uniform guidelines for explosion protection, It is the European Union that is leading the way. The 94/9/EG guideline lays the foundation for a complete unification. As of 01 july 2003, all new devices must be approved in accordance with this guideline.

Meaning of the zone classification:

- ***Zone 0/20:*** *Danger is always present, for a long time or frequently.*
- ***Zone 1/21:*** *Danger is occasionally present.*
- ***Zone 2/22:*** *Danger is seldom present or present for a short time.*

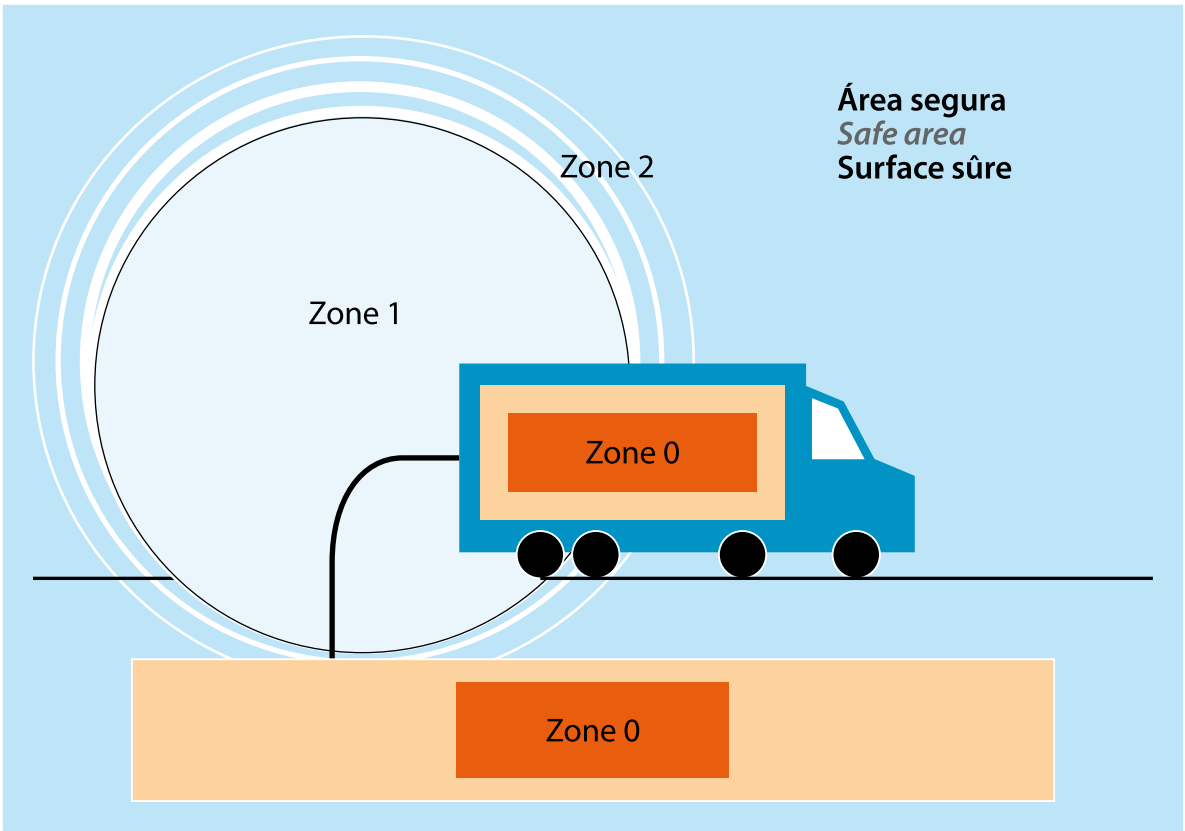
La securité est notre premiére priorité

Dans tous les lieux ou on produit, transforme, transporte ou emmaganasine des substances inflammables, la sécurité est extrêmement importante, spécialement dans l'industrie chimique et pétrochimique, dans la production de pétrole et de gaz et dans les mines.

Ayant pour objectif d'atteindre le plus haut niveau de sécurité, la plus grande partie des législations étatiques, a développé des lois et des réglementations á ce sujet. Dans un environnement toujours plus globalisé, de grands pas ont été faits pour la normalisation et la mise en commun des chemins á suivre pour la protection contre les explosions. C'est l'Union Européenne qui a inité ce chemin. La directive 94/9/EG fut mise en oeuvre lors de l'unification. Depuis le 1* juillet 2003 tous les appareils doivent être approuvés suivant cette directive.

Signification de la classification par zone:

- **Zone 0/20:** Danger présent á tout moment, par longues ou fréquentes périodes.
- **Zone 1/21:** Danger présent occasionnellement.
- **Zone 2/22:** Danger présent peu fréquent ou sur de très courtes durées.



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COMUNICACIÓN / *COMMUNICATION* / COMMUNICATION / *KOMMUNIKATION* / COMUNICAZIONE / *COMUNICAÇÃO* / СВЯЗЬ

RADIOTRANSMISOR INTRÍNSECAMENTE SEGURO
INTRINSICALLY-SAFE TWO-WAY-RADIO
RADIO-TRANSMETTEUR INTRINSÈQUEMENT SÛR
EXPLOSIONSGESCHÜTZES HANDFUNKGERÄT
RADIOTRASMITTENTE INTRINSECAMENTE SICURO
RÁDIO TRANSMISSOR INTRINSECAMENTE SEGURO
ВЗРЫВОБЕЗОПАСНОЕ ДВУХКАНАЛЬНОЕ РАДИО



MASTEREX 76897

COMUNICACIÓN EN LAS ZONAS EX

El Radiotransmisor MasterEX 76897 cumple con las últimas normas y puede usarse en áreas con evaluaciones de protección Ex II 2G Ex ib IIC T4 Gb en las Zonas 1 y 2, de acuerdo con las directivas ATEX.

Esta radio profesional opera en banda de frecuencia UHF 400-470 MHz. El poder de transmisión de la radio se ha limitado a 1 vatio por seguridad en el trabajo en las áreas potencialmente explosivas y la iniciación de llamadas a grandes distancias.

Además, el MasterEX 76897 cumple con IP68 y por consiguiente satisface las altas demandas industriales en robustez y fiabilidad, particularmente en áreas de riesgo Ex.

El MasterEx 76897 utiliza tecnologías analógicas y digitales DRM garantizando la compatibilidad con los sistemas de radio analógicos existentes y aprovechando los beneficios de las comunicaciones digitales.

El MasterEx 76897 es compatible con el modo digital Trabajador Solitario, Hombre Caído y Botón de Emergencia con interrupción de llamadas como funciones programables. Estos tres niveles de seguridad aseguran que se active una alarma, incluso si el canal ya está ocupado.

Todos los parámetros para las funciones del MasterEX 76897 pueden cómodamente ajustarse en un PC usando el juego de software correspondiente y también pueden salvarse para programar diversas unidades. El trabajo es así minimizando y se asegura que todas las radios armonizan entre sí.

COMMUNICATION IN EX-AREAS

The Two-way-radio MasterEX 76897 meets the latest standards and can be used in areas with protection assessments Ex II 2G Ex ib IIC T4 Gb in Zone 1 and 2, according to the ATEX directives.

This professional radio operates in frequency band UHF 400-470 MHz. The radio's transmission power has been limited to 1 watt for safe working in potentially explosive areas and initiating calls even over large distances.

In addition, the MasterEX 76897 complies with IP68 and therefore satisfies high industrial demands on ruggedness and reliability, particularly in ex-hazardous areas.

The MasterEx 76897 utilises both analogue and DMR digital technologies ensuring backwards compatibility with existing analogue radios and taking advantage of the benefits of digital communications.

The MasterEx 76897 supports digital mode Lone-Worker, Man-Down and Emergency Button with call interrupt as programmable features. These three levels of safety ensure an alarm is raised, even if the channel is already busy.

All parameters for the MasterEX 76897 functions may be comfortably set on a PC using the corresponding software kit and can also be saved for programming several units. Thus minimizing work and ensuring that all radios harmonize with each other.

COMMUNICATION DANS LES ZONES EX

Le Radio-transmetteur MasterEX 76897 répond aux normes les plus récentes et est utilisable, conformément aux directives ATEX, avec un niveau de protection Ex II 2G Ex ib IIC T4 Gb, dans les zones 1 et 2.

Cet appareil de radiocommunication professionnel fonctionne sur bande de fréquence UHF 400-470 MHz. La puissance d'émission de ce portatif radio est limitée à 1 watt, vous permettant ainsi de travailler en toute sécurité en zones explosibles et d'établir des connexions radio également sur de longues distances.

Le MasterEX 76897 répond en outre è l'indice de protection IP68 et satisfait ainsi aux exigences industrielles élevées en termes de robustesse et de fiabilité, particulièrement en zones explosibles.

Le MasterEx 76897 utilise des technologies analogiques et numériques DRM pour assurer la compatibilité avec les systèmes radio analogiques existants et tirer parti des avantages des communications numériques.

Le MasterEx 76897 prend en charge le mode numérique Travailleur solitaire, Travailleur à terre et Bouton d'urgence avec interruption d'appel comme fonctions programmables. Ces trois niveaux de sécurité assurent le déclenchement d'une alarme, même si le canal est déjà occupé.

Tous les paramètres des fonctions du MasterEX 76897 se règlent confortablement sur PC à l'aide du kit logiciel et peuvent être mémorisés pour la programmation d'autres appareils. Cela vous permet de gagner du temps et de vous assurer que tous les portatifs fonctionnent à l'unisson.

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

COMUNICACIÓN / *COMMUNICATION* / COMMUNICATION / *KOMMUNIKATION* / COMUNICAZIONE / *COMUNICAÇÃO* / СВЯЗЬ

Zonas / *Zones*
1, 2 GAS / *GAZ*

*** 12M**

COD.
76897



MASTEREX 76897

El MasterEx 76897 es un radiotransmisor para la comunicación inalámbrica en las zonas EX.

- 16 canales

Datos Ex:

Denominación Ex:
Ⓔx II 2G Ex ib IIC T4 Gb

Certificado del tipo de examinación:
Baseefa18ATEX0152X

Accesorios opcionales:
Cable programación 76529

The MasterEx 76897 is a license and charge-free two-way radio for wireless communication in Ex-hazardous areas.

- *16 channels*

Ex-data:

Ex-designation:
Ⓔx II 2G Ex ib IIC T4 Gb

Type examination cerlificate:
Baseefa18ATEX0152X

Optional accessories:
Programming cable 76529

Le MasterEx 76897 est un radiotransmetteur pour la communication inalambrique dans les zones EX.

- 16 canaux

Renseignements Ex:

Désignation Ex
Ⓔx II 2G Ex ib IIC T4 Gb

Certificat du type de test:
Baseefa18ATEX0152X

Accessoires options:
Câble de programmation 76529

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Rango de frecuencia / *Frequency range* / Eventail de fréquences	UHF 400 - 470 MHz
Canales / *Channels* / Canaux	16
Anchura de canal / *Channel spacing* / Longueur de canal	12,5 - 25 KHz
Batería / *Battery* / Batterie	Litio, 1800 mA/h *Lithium, 1800 mA/h* Lithium, 1800 mA/h
Voltaje operativo / *Operating voltage* / Tension de fonctionnement	7,4 V
Protección IP / *IP protection* / Protection IP	IP68
Temperatura de trabajo / *Working temperatura* / Température de travail	-20 ºC ~ +55 ºC
Autonomía / *Autonomy* / Autonomie	Digital: 18,5 h - Analógico: 14,5 h *Digital: 18,5 h - Analogue: 14,5 h* Numérique: 18,5 h - Analogique: 14,5 h
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex ib IIC T4 Gb
Dimensiones / *Dimensions* / Dimensions	138(H) x 60(W) x 38(D)
Peso / *Weight* / Poids	280 g (9,8 oz)

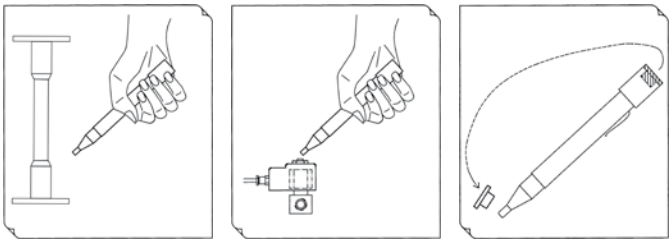
ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour
76531	Batería / *Battery* / Batterie	76897



MEDICIÓN / *MEASURING* / MESURE / *MESSEN* / MISURE / *MEDIÇÃO* / ИЗМЕРЕНИЯ





TESTER MAGNÉTICO INTRÍNSECAMENTE SEGURO
INTRINSICALLY SAFE MAGNET PROBE
TESTEUR DE MAGNÉTISME INTRINSÈQUEMENT SÛR
EX-SICHERES MAGNETTESTER
TESTER MAGNETICO INTRINSECAMENTE SICURO
TESTER MAGNÉTICO INTRINSECAMENTE SEGURO
ВЗРЫВОБЕЗОПАСНЫЙ МАГНИТНЫЙ ПРОБНИК

MASTEREX 79784

MasterEx 79784 es un medidor magnético tamaño lápiz, diseñado para detectar campos magnéticos en áreas peligrosas. En pocos segundos es capaz de detectar cualquier solenoide que esté eléctricamente activada.

No es necesario una conexión al circuito eléctrico o abrir una caja de terminales.

La alta sensibilidad del punto del tester de MasterEx 79784 provoca que sólo con acercarse a la bobina del solenoide, si ésta muestra una luz roja, indica que el campo magnético está activado. De la misma manera esta prueba se puede efectuar cerca sobre fluxómetros u otros equipamientos que trabajen magnéticamente, incluso cuando estén localizadas en áreas peligrosas.

El MasterEx 79784 viene integrado con un imán de seguridad para que no pueda ser perdido con facilidad. Usando este imán, la prueba se puede efectuar para conocer el estado de trabajo de la unidad y de las baterías.

Después de cualquier checkeo el MasterEx 79784 se apagará automáticamente si no es utilizado durante un tiempo. Esto asegura una larga vida de las baterías.

El clip incluido en un lado del aparato lo asegura por si hay pérdidas accidentales y permite al ingeniero llevarlo todo el tiempo con facilidad.

MasterEx 79784 is a pen-sized magnet probe, designed to detect magnetic fields in hazardous areas. Within seconds it is possible to detect whether or not a solenoid valve is electrically activated.

Connection to electronic circuitry or opening of terminal boxes is rendered unnecessary.

The highly sensitive probe point of the MasterEx 79784 only needs to be brought near the coil of a solenoid valve, if the probe shows a red light this indicates that the magnet is activated. In the same manner tests can be carried out on flowmeters or any other equipment that is working magnetically, even when located in hazardous areas.

The MasterEx 79784 comes with an integral test magnet that is securely fit in such a way that it cannot be easily lost. Using this magnet, tests can be carried out to establish the working state of both unit and batteries.

After any check the MasterEx 79784 will automatically switch off if it is no longer being used.This ensures a long battery life.

The clip attached to the instrument's side secures it from accidental loss and allows the maintenance engineer to easily carry it at all times.

MasterEx 79784 est un mesureur de magnétisme de la grandeur d'un stylo, dessiné pour détecter des champs magnétiques dans des zones dangereuses. En peu de secondes il est capable de détecter quelconque solénoïde qui est activé électriquement.

Il n'y a pas besoin de connexion au circuit électrique ou d'ouvrir le coffret de terminaux.

La grande sensibilité de la pointe du testeur MasterEx 79784 permet de détecter á l'approche de la bobine du solénoïde, par l'allumage d'une lumière rouge, que le champ magnétique est activé. De la même manière ce test peut s'effectuer prés d'un fluxométre ou d'autres équipements qui travaillent magnétiquement y compris quand ils sont dans des zones dangereuses.

El MasterEx 79784 est fourni avec un aimant de sécurité intégré pour qu'il ne se perde pas facilement. En utilisant cet aimant, le test peut s'effectuer pour connaître l'état de travail de l'unité et des batteries.

Après tout contrôle le MasterEx 79784 s'éteindra automatiquement s'il n'est pas utilisé durant un certain temps. Cela assure une meilleure durée de vie aux piles.

Le clip du côté de l'appareil est une sécurité contre la perte et permet á l'utilisateur de le porter facilement.

MEDICIÓN / *MEASURING* / MESURE / *MESSEN* / MISURE / *MEDIÇÃO* / ИЗМЕРЕНИЯ

Zonas / *Zones*
1, 2 GAS / *GAZ*



*** 12M**

COD.
79784

MASTEREX 79784

Para solenoides, transformadores, fluxómetros, relés en áreas peligrosas.

Propiedades:
- Alta sensibilidad
- No es necesario contacto con el objeto
- Resistente a la suciedad
- Indicador óptico

Datos Ex:
Designación Ex:
Ⓔx Ib IIB T3 Gb
EC-Certificado de Conformidad:
PTB 01 ATEX 2018

For testing solenoid valves, relays, transformers and flow-meters in Ex-hazardous areas.

Properties:
- *Highly sensitive*
- *No contact with test object required*
- *Resistant to dirt*
- *Indication: optical*

Ex-data:
Ex designation:
Ⓔx *Ib IIB T3 Gb*
EC-Certificate of Conformlty:
PTB 01 ATEX 2018

Pour des solénoïdes, transformateurs, fluxométres, réseaux dans des zones dangereuses.

Propriétés:
- Haute sensibilité
- Le contact avec l'objet n'est pas nécessaire
- Résistant á la saleté
- Indicateur: optique

Renseignements Ex:
Désignation Ex:
Ⓔx Ib IIB T3 Gb
EC-Certificat de conformité
PTB 01 ATEX 2018

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Campos magnéticos detectables */ Detectable magnetic fields* / Champs magnétiques détectables	Alternos, directos, continuos *Alternating, direct and permanent fields* Alternés, directs, continus
Detección / Detection / Détection	No hay contacto con el objeto *No contact with test object required* Pas de contact avec l'objet
Indicación */ Indication* / Indication	Óptica: LED *Optical, built-in LED* Optique LED
Sensibilidad */ Sensitive* / Sensibilité	≥ 30 mT (millitesla)
Alimentación de energía */ Power supply* / Alimentation d'énergie	2 baterías estándar AAA de acuerdo al IEC LR03, NICd bat. racargables *2 x standard batteries AAA according to IEC LRO3 or NiCd rechargeable batteries* 2 Piles standards AAA conforme á IEC LR03, NICd bat. rechargeables
Clase de protección */ Protection class* / Classe de protection	IP54
Designacion ATEX */ ATEX marking* / Marquage ATEX	Ⓔx Ib IIB T3 Gb
Material de la carcasa */ Casing material* / Matiére de la coque	Metal/punto de prueba plástico *Metal/plastic probe point* Métal/pointe de test plastique
Temperatura de trabajo */ Working temperature* / Température de travail	-20 °C ... +50 °C
Temperatura de almacenaje */ Storage temperature* / Température de stockage	-40 °C ... +60 °C
Dimensiones */ Dimensions* / Dimensions	150 x Ø18 mm
Peso */ Weight* / Poids	60 g (Baterías incluidas) *60 g (Included batteries)* 60 g (Piles incluses)

MEDICIÓN / *MEASURING* / MESURE / *MESSEN* / MISURE / *MEDIÇÃO* / ИЗМЕРЕНИЯ



MEDIDOR DE TEMPERATURA SIN CONTACTO
INTRINSICALLY-SAFE NON-CONTACT TEMPERATURE METER
THERMOMÉTRE À DISTANCE SANS CONTACT
EX-SICHERES BERÜHRUNGSLOSES TEMPERATURÙESSGERÄT
MISURATORE DI TEMPERATURA SENZA CONTATTO
TERMÓMETRO SEM CONTACTO
ВЗРЫВОБЕЗОПАСНЫЙ БЕЗКОНТАКТНЫЙ ТЕРМОМЕТР

MASTEREX 79502

El equipo MasterEx 79502 para mediciones de temperatura sin contacto intrínsecamente seguro es un robusto instrumento fácil y manejable en áreas peligrosas.

The intrinsically-safe non-contact temperature measuring equipment MasterEx 79502 is a robust yet exceedingly handy and easy to use instrument for temperature measuring in hazardous areas.

Le thermométre á distance MasterEx 79502 intrinséquement sécuritaire est un robuste et trés petit appareil manuportable pour mesurer les températures dans des zones á risque

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Rango de temperatura / *Temperature range* / Echelle de température	-18 °C - +400 °C (0 °F - +752 °F)
Protección IP / *IP protection* / Protection IP	IP2X
Tiempo de respuesta / *Response time* / Temps de réponse	500 ms
Emisibilidad / *Emissivity* / Emission	Ajuste 0,95 *Preset 0,95* Preset 0,95
D/L óptico / *Optics D/L* / Optique D/L	= 1/8
Respuesta espectral / *Spectral response* / Réponse spectrale	7-18 µm
Rango ambiental de operación / *Ambient operating range* / Champ d'action ambiant	0 °C…+50 °C
Rango de temperaturas de almacenamiento / *Storage temperature range* / Température de stockage	-20 °C… +65 °C
Humedad relativa / *Relativ humidity* / Humidité relative	10-95% (>30 °C) sin condensación *10-95% (>30 °C) non condensing* 10-95% (>30 °C) sans condensation
Alimentación de energía / *Power supply* / Alimentation d'énergie	9 V alkaline - IEC 6LR61
Resolución / *Resolution* / Résolution	0,2 °C
Señalización del objetivo / *Target sighting* / Pointage de la cible	Laser (Tipo II) *Laser (Class II)* Laser (Type II)
Precisión (a 23 ºC) / *Accuracy (at 23 ºC)* / Exactitude (à 23 ºC)	-18 °C...-1 °C ±3 °C - 1 °C...+400 °C ±2 °C or ±2%
Repetibilidad / *Repeatability* / Répétabilité	±2 °C / 2%
Designacion ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2 G Ex ia op is IIC T4 0ºC<Ta<50ºC
Dimensiones / *Dimensions* / Dimensions	150 x 100 x 38 mm
Peso / *Weight* / Poids	200 g

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

MEDICIÓN / *MEASURING* / MESURE / *MESSEN* / MISURE / *MEDIÇÃO* / ИЗМЕРЕНИЯ

Zonas / *Zones*

1, 2 GAS / *GAZ*



*** 12M**

COD.
79502

MASTEREX 79502

Beneficios de la medición sin contacto
Aumenta la seguridad cuando se determina la temperatura a objetos en movimiento o sin antenas. Significa que el calor por fricción no afecta a la medición. No deja marcas ni imperfecciones al ser el objeto medido.

Tiempo de respuesta
Rápida y exacta. La respuesta pirométrica que emite energía es de 20 a 1000 veces más rápida que los termómetros tradicionales de contacto directo.

Para mediciones de temperatura sin contacto y monitorización de temperatura en áreas peligrosas
- Gran exactitud
- Operaciones simples
- Rápida respuesta
- Señalización del objeto por láser
- Medida en la Zona 1 y 2

Datos Ex:
Designación Ex:
Ⓔx II 2 G Ex ia op is IIC T4 0ºC<Ta<50ºC
EC-Certificado de continuidad:
EPS 10 ATEX 1 242X

Bajo mantenimiento y no agresivo
- El procedimiento no afecta a la temperatura del objeto que está siendo medido.
- El hecho de que no haya contacto del detector significa que no hay riesgo por contacto.
- No es necesario fijar o sujetar puntos sobre el objeto o el equipo.

Para alcanzar objetivos difíciles y objetos en movimiento
- La óptica del pirómetro se dirige al objeto que va a medir y con la señal de láser es posible apuntar objetos pequeños y distantes.
- Los materiales peligrosos y agresivos pueden ser medidos con seguridad sin miedo a dañar el equipo. El tamaño compacto del pirómetro permite que se pueda usar incluso en posiciones de mucha dificultad, sólo es necesario que exista una línea clara desde la señal al objetivo. Con la medición por contacto directo la capacidad de calor o la conducción de calor del objeto puede transferir un escaso flujo de calor al aparato de medida.

The benefits of non-contact measurement
Increased safety when determining the temperature of fast moving objects. No antennas mean that frictional heat cannot affect the measurement. No mark or blemish is left on the object being measured.

Response time
Fast and accurate. Pyrometers respond to emitted energy and are around 20 to 1000 times quicker than traditional direct contad thermometers.

For non-contact temperature measurement and monitoring of temperature processes in Ex-hazardous areas
- *High accuracy*
- *Simple operation*
- *Quick response time*
- *Laser target sighting*
- *Measure in Zone 1 and 2*

Ex-data:
Ex designation:
Ⓔx II 2 G Ex ia op is IIC T4 0ºC<Ta<50ºC
EC-Certificate of Conformity:
EPS 10 ATEX 1 242X

Low maintenance and non invasive
- *The temperature of the object being measured is not affected by the procedure.*
- *Non contact of the detector means no wear and tear.*
- *No fixing or fastening points required on either the object or equipment.*

Hard to reach objects and moving materials
- *The optics of the pyrometer are aimed at the object to be measured and with the laser sighting it is possible for both small and distant objects to be targeted.*
- *Hazardous and aggressive materials can be safely measured - and without fear of damaging the equipment. The compact size of the pyrometer allows it to be used in even the most awkward positions, with only a clear line of sight to the target area being required. With direct contact measurement, poor heat conduction or heat capacity of the object can prevent insufficient heat flow to a measuring device.*

Les bénéfices d'un appareil de mesure á distance
Il augmente la sécurité lors de la mesure d'objets mobiles. Les antennes n'empêchent pas la prise de température. Pas de marque, ni de défaut ne peuvent géner la mesure.

Temps de réponse
Rapide et precise. Les pyrometers respondent á l'énergie dégagée et sont plus rapides entre 20 á 1000 fois que les traditionnels thermométres de contact.

Pour une mesure de temperature á distance en évitant le contact avec l'appareil de test dans les zones á risques
- Grande exactitude
- Simple d'utilisation
- Réponse rapide
- Pointage de la cible par laser
- Mesure en zone 1 et 2

Renseignements Ex:
Ex designation:
Ⓔx II 2 G Ex ia op is IIC T4 0ºC<Ta<50ºC
EC-Certificat de conformité:
EPS 10 ATEX 1 242X

Petit entretien et sans intervention
- La temperature de l'objet étant mesurée elle n'est pas affectée.
- L'absence de contact fait éviter l'usure et les accrocs.
- Aucune fixation n'est nécessaire pour chacun des objets ou équipements.

Difficulté d'atteindre des objets ou des matériaux en mouvement
- Les optiques du pyrométre pointent l'objet á mesurer et avec la vise laser il est possible de pointer des objets petits et distants.
- Des matériaux a risque peuvent être mesurés en sécurité sans dommage pour l'équipement. La forme compacte du pyrométre lui permet une utilisation dans les positions les plus incommodes avec une visée claire. Avec une mesure par contact, la faible chaleur de conduction ou de potentiel de l'objet peuvent empêcher une bonne mesure.

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

FOCO LED INTRÍNSECAMENTE SEGURO
INTRINSICALLY SAFE LED HAND LAMP
PROJECTEUR LED INTRINSÈQUEMENT SÛR
EIGENSICHERE LED-HANDLEUCHTE

RIFLETTORE A LED INTRINSECAMENTE SICURO
HOLOFOTE LED INSTRINSECAMENTE SEGURO
ВЗРЫВОЗАЩИЩЕННЫЙ СВЕТОДИОДНЫЙ ФОНАРЬ











MASTEREX 79360 & 77780

Los focos LED MasterEx 79360 y 77780 están especialmente diseñados para la iluminación de grandes espacios en zonas Ex. Las dos posiciones de intensidad del LED (50% Y 100%) permiten adaptar la intensidad de la luz emitida. Los focos son aptos para su uso en zonas 1 y 21.

El cuerpo permite una rotación de 180º facilitando la orientación del haz luminoso.

El cable de 10 m facilita el movimiento del foco desde la toma de corriente hasta la zona de trabajo.

Su carcasa de fundición de aluminio le confiere una gran resistencia y protección, asegurando su funcionamiento incluso en las condiciones de uso más extremas.

Además el asa en la carcasa permite un transporte del foco cómodo y seguro.

El foco LED MasterEx 77780 está especialmente indicado para los ambientes explosivos en los que se necesita una potente iluminación pero se carece de una toma eléctrica cercana.
Su batería de litio ofrece una autonomía de hasta 4 horas con una sola carga.

The MasterEx 79360 and 77780 hand lamps are specially designed to (illuminate) light large spaces in hazardous areas. The two LED modes (50% and 100% output) allow to adapt the intensity of the emitted light. The lamps are suitable for use in zones 1 and 21.

It is possible to rotate the body 180º in order to guide the light beam.

The 10 m length cable facilitates the movement of the hand lamp from the electric supply to the working area.

Its die casted aluminum housing grants it a huge resistance and protection, assuring the correct functioning even in the hardest conditions.

The handle on the housing allows the transport of the lamp in an easy and safer way.

The MasterEx 77780 is specially indicated for the hazardous areas in which is necessary a powerful illumination but there is no electric supply. Its lithium battery assures 4 h of usage with one charge.

Les projecteurs LED MasterEx 79360 & 77780 ont été spécialement conçus pour l'éclairage des grands espaces en zones Ex. Les deux positions du LED (50% et 100%) permettent d'adapter l'intensité de la lumière qui en jaillit. Les projecteurs sont adaptés pour un usage en zones 1 et 21.

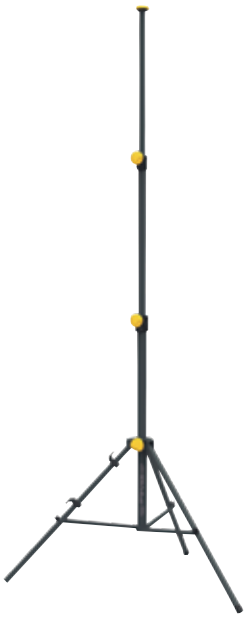
Le corps permet une rotation de 180º, ce qui facilite l'orientation du projecteur lumineux.

Le câble de 10m facilite le maniement de la lampe, de la prise de courant jusqu'à la zone de travail.

Le boîtier en fonte d'aluminium permet une meilleure résistance et protection, qui assure son fonctionnement optimal dans les conditions d'utilisation plus extrêmes.

De plus, la poignée permet un maniement plus sûr et confortable.

Le projecteur LED MasterEx 77780 est spécialement adapté pour les environnements explosifs dans lesquels il y a besoin d'un éclairage puissant mais sans prise électrique proche. Sa batterie lithium offre une autonomie allant jusqu'à 4 heures, avec une seule charge.



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	O.D. mm	Kg
79670	Trípode / *Tripod* / Trépied	1200	6,0

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Soporte / *Support* / Support	1,35-3 m
Máx. capacidad de carga / *Max. weight capacity* / Capacité maximum de charge	10 kg

* **12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

Zonas / *Zones*

1, 2 GAS / *GAZ*
21-22 POLVO / *DUST* / POUSSIÈRE



*** 12M**

COD.	
79360	Con toma eléctrica / *Outlet with cable* / Avec prise électrique
77780	Litio / *Lithium* / Lithium



Cable de carga (para el cod. 77780)

- Longitud: 5 m
- Alimentación: 100-240 V 50/60 Hz con enchufe europea
- Peso: 460 g

Charging cable (for cod. 77780)

- *Lenght: 5 m*
- *Power supply: 100-240 V 50/60 Hz with european plug*
- *Weight: 460 g*

Câble de charge (pour le code 77780)

- Longueur: 5 m
- Alimentation: 100-240 V 50/60 Hz avec prise européenne
- Poids: 460 g

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
LED con 2 posiciones / *2 mode LED* / LED avec deux positions	100% & 50%
Luminosidad / *Brightness* / Luminosité	
79360	3400/1700 lm
77780	4000/2000 lm
Potencia / *Power* / Puissance	
79360	35 W
77780	31 W
Ciclo de vida / *Lifecycle* / Cycle de vie	>=50000 h
Alimentación / *Power* / Poids	100-240 V - 50/60 Hz
Longitud del cable / *Cable length* / Longueur du cable	
79360	10 m
77780	5 m
Grado de protección / *Ingress protection* / Grade de protection	IP65
Carcasa / *Housing* / Carcasse	Fundición de aluminio *Aluminum casting* Fonte en Aluminum
Posicionamiento / *Positioning* / Positionnement	Giratorio 180° / *180° rotation* / Rotatif 180°
Asa de transporte en la carcasa / *Transport handle in the housing* / Poignée de transport sur le boîtier	●
Batería / *Battery* / Batterie	
79360	-
77780	21,6 V / 3350 mAh Lithium
Tiempo de carga / *Charge time* / Temps de recharge	
79360	-
77780	4 h
Indicador de carga / *Charging indicator* / Indicateur de charge	
79360	-
77780	●
Cable de carga incluido / *Charging cable included* / Câble de recharge fourni	
79360	-
77780	●
Autonomía / *Autonomy* / Autonomie	
79360	-
77780	2 h - 4 h
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex db eb mb op is IIC T4 Gb Ⓔx II 2D Ex tb IIIC T85ºC Db IP65
Dimensiones / *Dimensions* / Dimensions	
79360	230 x 230 x 110 mm
77780	270 x 260 x 130 mm
Peso / *Weight* / Poids	
79360	4,5 kg
77780	4,3 kg

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

LINTERNA PARA INSPECCIÓN INTRÍNSECAMENTE SEGURA
INTRINSICALLY SAFE INSPECTION LAMP
TORCHE D'INSPECTION INTRINSÈQUEMENT SÛRE
EIGENSICHERE KONTROLLAMPE

TORCIA PER ISPEZIONE INTRINSECAMENTE SICURA
LANTERNA DE INSPEÇÃO INTRINSECAMENTE SEGURA
ВЗРЫВОЗАЩИЩЕННЫЙ ФОНАРЬ ДЛЯ ОСМОТРОВ

MASTEREX 79731



La linterna LED MasterEx 79731 resulta idónea para iluminar zonas de trabajo en ambientes explosivos peligrosos. Su batería de litio proporciona una autonomía de hasta 6 h, y está diseñada específicamente para resistir las condiciones industriales de trabajo diario. Resulta una opción ideal para su uso en ambientes explosivos peligrosos.

Sus dos focos LED permiten una iluminación adecuada en todas las condiciones de utilización. El LED frontal tiene dos modos de intensidad, proporcionando de 150 a 300 lumens. El LED superior emite un haz de luz de 100 lumens.

Ya sea fijada mediante la base magnética o colgada a través de su gancho de 360º, su diseño permite el posicionamiento adecuado para iluminar las zonas de trabajo sin necesidad de sujetarla manualmente. El clip trasero permite al usuario su cómodo transporte.

El indicador de carga en la parte trasera informa del estado de la batería.

Su carcasa de plástico antiestático le confiere un alto grado de protección mientras que facilita un agarre seguro y confortable.

The MasterEx 79731 inspection lamp is the ideal solution for illuminating working zones in hazardous areas. Its lithium battery provides a 6 h usage and it is specially designed to stand the daily industrial working conditions. It is the best solution for the hazardous areas.

Its two LED lights allow a proper illumination for all the working conditions. The front LED has two output modes, providing 150 to 300 lumen. The top LED gives a 100 lumen beam.

Its design allows proper positioning to illuminate working areas with no need to hold it manually by its magnetic holder or the 360º hanging hook. The clip in the rear allows an easy transport.

The charge indicator in the back side of the lamp provides information about the charge status.

Its antistatic plastic housing grants a high protection grade as well as permits the handling of the lamp.

La lampe LED MasterEx 79731 est idéale pour éclairer les zones de travail en environnements explosifs et dangereux. Sa batterie lithium offre jusqu'à 6 heures d'autonomie, et a été conçue pour résister aux conditions industrielles de travail au quotidien. C'est le matériel idéal pour une utilisation en environnements explosifs et dangereux.

Ses deux projecteurs LED permettent un éclairage optimal quelque soient les conditions d'utilisation. Le LED frontal est configuré à deux modes d'intensité allant de 150 à 300 lumens. Le LED supérieur émet un projecteur lumineux de 100 lumens.

Qu'elle soit fixée sur une base magnétique ou suspendue à un crochet de 360º, son élaboration permet un positionnement optimal pour éclairer las zones de travail sans avoir besoin de la porter à la main. Le clip au dos permet à l'utilisateur de la transporter sans gêne.

L'indicateur de charge au dos indique l'état de la batterie.

Son boîtier en plastique antistatique lui confère un niveau de protection élevé, ainsi qu'une facilité de transport plus sûre et confortable.









* **12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

Zonas / *Zones*

1, 2 GAS / *GAZ*
21-22 POLVO / *DUST* / POUSSIÈRE



*** 12M**

COD.	
79731	Litio / *Lithium* / Lithium

MASTEREX 79731

ACCESORIOS INCLUIDOS: / *INCLUDED ACCESORIES:* / ACCESSOIRES INCLUS:

Base de carga
- Medidas: 110x100x90 mm
- Peso: 125 g
- Posibilidad de anclaje a la pared

Cable de carga
- Longitud: 1 m
- Peso: 25 g

Cargador
- Alimentación: 100-240 V 50/60 Hz con enchufe europeo
- Peso: 45 g

Charging station
- *Measures: 110x100x90 mm*
- *Weight: 125 g*
- *Suitable for wall mounting*

Charging cable
- *Length: 1 m*
- *Weight: 25 g*

Charger
- *Power supply: 100-240 V 50/60 Hz with european plug*
- *Weight: 45 g*

Base de charge
- Mesures: 110x100x90 mm
- Poids: 125 g
- Possibilité d'ancrage dans le mur

Câble de charge
- Longueur: 1m
- Poids: 25 g

Chargeur
- Alimentation: 100-240 V 50/60 Hz avec prise européenne
- Poids: 45 g

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
2 focos LED / *2 LED lights* / 2 projecteurs LED	●
LED frontal 2 posiciones / *2 mode front LED* / LED frontal à deux positions	100% & 50%
LED superior 1 posición / *1 mode top LED* / LED supérieur une position	100%
Luminosidad / *Brightness* / Luminosité	300/150 lm LED frontal - 100 lm LED superior *300/150 lm frontal LED - 100 lm top LED* 300/150 lm LED frontal - 100 lm LED supérieur
Potencia / *Power* / Puissance	2,5 W
Ciclo de vida / *Lifecycle* / Cycle de vie	>=50000 h
Alimentación / *Power* / Poids	100-240 V - 50/60 Hz
Grado de protección / *Ingress protection* / Grade de protection	IP54
Carcasa / *Housing* / Carcasse	Plástico antiestático *Anti-static plastic* Plastique antistatique
Gancho / *Hook* / Crochet	Giratorio 360° *360° Rotation* Rotatif à 360°
Fijación magnética / *Magnetic holder* / Fixation magnétique	●
Base de carga y cargador incluido / *Charging base and charger included* / Base de charge et chargeur inclus	1 m con enchufe europeo *1 m with european plug* 1 m avec prise européenne
Batería / *Battery* / Batterie	3,2 V / 2800 mAh Lithium
Tiempo de carga / *Charge time* / Temps de recharge	3,5 h
Autonomía / *Autonomy* / Autonomie	3 h-6 h
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2 G Ex ib op is IIC T4 Gb / Ⓔx II 2D Ex ib IIIC T120° Db
Dimensiones / *Dimensions* / Dimensions	220 x 70 x 40 mm
Peso / *Weight* / Poids	400 g

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ



LINTERNAS INTRÍNSECAMENTE SEGURAS
INTRINSICALLY-SAFE TORCHES
LAMPES INTRINSÈQUEMENT SÛRES
EX-GESCHÜTZTE TASCHENLAMPE
TORCE INTRINSICAMENTE SICUR
LANTERNAS INTRINSECAMENTE SEGURAS
ВЗРЫВОБЕЗОПАСНЫЕ ФОНАРИ

MASTEREX 79639 & 79640

La linterna MasterEx 79639-79640 está equipada con un led de alta potencia y un sensor de luz para ahorrar energía. Perfecta para uso en ambientes explosivos peligrosos, hasta zona 0 y 20, conjugando resistencia y potente iluminación. Adaptable a cascos de bombero.

The MasterEx 79639-79640 is equipped with a high power led and a light sensor for saving energy. Ideal torch for hazardous areas, up to Zone 0 and 20, combining heavy-duty perfomance and powerful illumination. It can be mounted in fire helmets.

La lanterne MasterEX 79639-79640 est dotée d'un led de grande puissance et d'un capteur de lumière pour économiser de l'énergie. Parfaite pour une utilisation en atmosphères explosives dangereuses, jusqu'à la zone 0 et 20, conjuguant résistance et forte luminosité. Adaptable aux casques de pompiers.





Sujeción a casco de bombero Gallet F1 para cod. 79640 (cod. 79644)
Clip for Gallet F1 fire helmets for cod. 79640 (cod. 79644)
Fixation de casque de pompier Gallet F1 pour code 79640 (cod. 79644)



*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

Zonas / *Zones*

0, 1, 2 GAS / *GAZ*
20-21-22 POLVO / *DUST* / POUSSIÈRE



*** 12M**

COD.	
79639	Pilas / *Batteries* / Piles
79640	Litio / *Lithium* / Lithium

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Válido para / *Valid for* / Valable pour	Descripción / *Description* / Description
79644	79640	Sujeción a casco de bombero Gallet F1 / *Clip for Gallet F1 fire helmets* / Fixation de casque de pompier Gallet F1
79642		Cargador / *Charger* / Chargeur
79643		Batería / *Battery* / Batterie

Cargador cod. 79642 (para cod. 79640):

- Normativa Europea CE, e9
- Clase de protección IP54
- Tiempo de carga: 4-5 h max.
- Desconexión a fin de carga: automática
- Estado de carga: rojo/cargando - verde/cargada.
- Alimentación: DC:12V - AC: 100/240V-50/60Hz
- Tipos y dimensiones: Individual / 75 x 100 x 120 mm

Charger cod. 79642 (for cod. 79640):

- *Normativa Europea CE, e9*
- *Clase de protección IP54*
- *Charging time: 4-5 h max.*
- *Disconnection at the end of the charge: automatic*
- *Charging indication : red/charging - green/charged*
- *Power supply: DC:12V - AC: 100/240V-50/60Hz*
- *Types and dimensions: Single / 75x100x120mm*

Chargeur cod. 79642 (pour code 79640):

- Norme Européenne CE, e9
- Clase de protection IP54
- Temps de charge 4-5 h. max.
- Déconnexion en fin de charge: automatique
- État de charge: rouge/en charge - vert/chargé
- Alimentation: DC:12V - AC: 100/240V-50/60Hz
- Types et dimensions: Individuel / 75x100x120 mm

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Fuente de luz / *Light source* / Source de lumiére		3 W Led
Luminosidad / *Brightness* / Luminosité		135 Lúmenes *135 Lumens* 135 Lumens
Alimentación / *Power* / Poids		
	79639	4 x R03 AAA / 6V
	79640	Li-ion / 3,7 V (cod. 79643)
Gestión inteligente de consumo / *Intelligent energy management* / Gestion inteligente de consommation		Sensor de luz automático *Light sensor for automatic switch of the light power* Capteur de lumière automatique
Autonomía / *Autonomy* / Autonomie		4 h-30 h
Indicador de autonomía / *Battery indication* / Indication d'autonomie		Parpadeos al encendido *Blinks at the start* Cillements au debut
Clase de protección / *Protection class* / Classe de protection		IP67
Sujeción a casco Gallet F1 modelo nuevo incluido / *Clip for Gallet F1 new model helmet included* / Fixation de casque Gallet F1, nouveau modèle inclus		
	79639	●
	79640	-
Designación ATEX / *ATEX marking* / Marquage ATEX		Ⓔx II 1 G Ex ia IIC T4 Ga / Ⓔx II 1 D Ex ia IIIC T85ºC Da
Dimensiones / *Dimensions* / Dimensions		150 x 38 x 44 mm
Peso / *Weight* / Poids		
	79639	125 g
	79640	145 g
Baterías incluidas / *Batteries incluided* / Batteries incluses		●

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

LINTERNAS INTRÍNSECAMENTE SEGURAS
INTRINSICALLY-SAFE TORCHES
LAMPES INTRINSÈQUEMENT SÛRES
EX-GESCHÜTZTE TASCHENLAMPE
TORCE INTRINSICAMENTE SICUR
LANTERNAS INTRINSECAMENTE SEGURAS
ВЗРЫВОБЕЗОПАСНЫЕ ФОНАРИ



MASTEREX 79641

La linterna MasterEx 79641 está equipada con un led blanco de potencia de 3W y uno rojo de alta intensidad que emite un destello papadeante y orientable. Perfecta para uso en ambientes explosivos peligrosos, hasta zona 0 y 20, conjugando resistencia y potente iluminación. Fabricada en resina termoplástica de alta resistencia a los impactos, las temperaturas extremas, los líquidos y sustancias corrosivas.

The MasterEx 79641 is equipped with a 3W white power led and one red high intensity led which emits flashing and guides. Ideal torch for hazardous areas, up to Zone 0 and 20, combining heavy-duty perfomance and powerful illumination. Made of thermoplastic resin of high resistance to shocks, extreme temperatures, liquids and corrosive substances.

La lanterne MasterEx 79641 est dotée d'un led blanc de 3 W. et d'un rouge de grande intensité qui produit un scintillement clignotant et orientable. Parfaite pour une utilisation en atmosphe`res explosives, en zones 0 et 20, conjugant résistance et luminosité intense. Fabriquée en résine thermoplastique de grande résistance aux chocs, aux températures extrêmes, aux liquides et substances corrosives.









Pulsador ergonómico
Facilita el encendido con guantes de intervención
Ergonomic button
Provide the light with operation gloves
Bouton ergonomique
Facilite l'allumage avec des gants d'intervention

Led rojo
Red led
Led rouge

Cabezal rotatorio
Permite situar el led rojo a ambos lados del casco
Rotatory head
Allow placing the red led in both helmet sides
Tête rotative
Permet de situer la led rouge de chaques côtés du casque



Acabado
Resina termoplástica superresistente
Finishing
High resistance thermoplastic resin
Finition
Résine thermoplastique super-résistante

Led blanco
3W alta potencia
White led
3W high power
Led blanche
3W grande puissance

* **12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

Zonas / *Zones*

0, 1, 2 GAS / *GAZ*
20-21-22 POLVO / *DUST* / POUSSIÈRE



*** 12M**

COD.
79641

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description
79647	Sujeción a casco de bombero Gallet F1 / *Clip for Gallet F1 fire helmets* / Fixation de casque de pompier Gallet F1
79648	Sujeción a casco de bombero Gallet F2 / *Clip for Gallet F2 fire helmets* / Fixation de casque de pompier Gallet F2
79645	Cargador / *Charger* / Chargeur
79646	Batería / *Battery* / Batterie

Cargador cod. 79645:

- Normativa Europea CE, e9
- Clase de protección IP54
- Tiempo de carga: 5 h max.
- Desconexión a fin de carga: automática.
- Estado de carga: rojo/cargando - verde/cargada
- Alimentación: DC: 12V/24V - AC: 100/240V-50/60Hz
- Tipos y dimensiones: Individual / 100 x 28 x 102 mm

Changer cod. 79645:

- *European standard CE, e9*
- *IP rating IP54*
- *Charging time: 5h max.*
- *Disconnection at the end of the charge: automatic*
- *Charging indication: red/charging - green/charged*
- *Power supply: DC: 12V/24V - AC: 100/240V-50/60Hz*
- *Types and dimensions: Single / 100x28x102mm*

Chargeur cod. 79645:

- Norme Européenne CE, e9
- Clase de protection IP54
- Temps de charge: 5 h. max.
- Déconnexion en fin de charge: automatique
- État de charge: rouge/en charge - vert/chargé
- Alimentation: DC: 12V/24V - AC: 100/240V-50/60Hz
- Types et dimensions: Individuel / 100 x 28 x 102 mm

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fuente de luz / *Light source* / Source de lumière	3 W Led
Luminosidad / *Brightness* / Luminosité	Led blanco, 135 Lúmnes - Led rojo, 27 Lúmenes *White led, 135 Lumnes - Red led, 27 Lumens* Led blanche, 135 Lumens - Led rouge, 27 Lumens
Cabezal rotatorio / *Rotatory head* / Tête rotative	180°
Alimentación / *Power* / Poids	Li-ion / 3,7 V
Autonomía / *Autonomy* / Autonomie	3 h-6 h
Indicador de autonomía / *Battery indication* / Indication d'autonomie	Parpadeos al encendido *Blinks at the start* Cillements au debut
Clase de protección / *Protection class* / Classe de protection	IP65
Sujeción a casco Gallet F1 modelo nuevo incluido / *Clip for Gallet F1 new model helmet included* Fixation de casque Gallet F1, nouveau modèle inclus	•
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 1 GD Ex ia IIC T4 Ex ia D 20 IP65 T85°C Ⓔx II 2 GD Ex ia IIC T4 IP65 T85°C
Dimensiones / *Dimensions* / Dimensions	156 x 56 x 484 mm
Peso / *Weight* / Poids	180 g
Baterías incluidas / *Batteries incluided* / Batteries incluses	Li-ion / 3,7 V (cod. 79646)

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

Zonas / *Zones*

0, 1, 2 GAS / *GAZ*
20-21-22 POLVO / *DUST* / POUSSIÈRE



*** 12M**

COD. 79595

LINTERNAS INTRÍNSECAMENTE SEGURAS
INTRINSICALLY-SAFE TORCHES
LAMPES INTRINSÈQUEMENT SÛRES
EX-GESCHÜTZTE TASCHENLAMPE

TORCE INTRINSICAMENTE SICUR
LANTERNAS INTRINSECAMENTE SEGURAS
ВЗРЫВОБЕЗОПАСНЫЕ ФОНАРИ

MASTEREX 79595

La linterna FOCUS LED MasterEx 79595 ofrece una autonomía de 32 horas con sus 4 pilas alcalinas AA, aportando 79 lúmenes de iluminación. Su potente FOCUS LED la convierte en una linterna perfecta para uso en los ambientes de gas/polvo explosivos más peligrosos, hasta Zona 0/20, cuando se requiere de gran potencia de alumbrado, y flexibilidad, gracias a su mango acodado.

The MasterEx 79595 FOCUS LED torch provides 32 hours of continuous work with 4 AA alcaline batteries, projecting an illumination of 79 lumens. Its powerful FOCUS LED makes it the ideal torch for the most hazardous gas/dust areas, up to Zone 0/20, when high illumination is required. Its offset handle also provides great flexibility.

La lampe FOCUS LED MasterEx 79595 offre une autonomie de 32 heures avec ses 4 piles alcalines AA, en fournissant 79 lumens d'illumination. Son puissant FOCUS LED la transforme en lampe parfaite pour utiliser dans les environnements de gaz gaz/poussiere explosifs les plus dangereux, jusqu'à la Zone 0/20, quand c'est nécessaire d'obtenir une grande puissance d'éclairage et flexibilité grâce à son manche coudé.

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Temperatura ambiente Ta / *Ambient temperature Ta* / Température ambiante Ta	-20 °C - +50 °C
Fuente de luz / *Light source* / Source de lumière	1 W Focus Led
Luminosidad / *Brightness* / Luminosité	79 Lúmenes / *79 Lumens* / 79 Lumens
Alimentación / *Power* / Poids	4 x AA pilas (certificadas) / *4 x AA batteries (type tested)* / 4 x AA piles (certifiées)
Clase de protección / *Protection class* / Classe de protection	IP66
Longitud / *Length* / Longueur	190 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 1 G Ga Ex ia IIC T4 / Ⓔx II 1 D Da Ex ia D 20 IP66 T83ºC
Peso / *Weight* / Poids	297 g
Baterías incluidas / *Batteries incluided* / Batteries incluses	-

Zonas / *Zones*

0, 1, 2 GAS / *GAZ*



*** 12M**

COD. 79650

MASTEREX 79650

La linterna FOCUS LED MasterEx 79650 ofrece una autonomía de 32 horas con sus 3 pilas alcalinas C, aportando 109 lúmenes de iluminación. Su potente FOCUS LED y robusta estructura la convierten en una linterna perfecta para uso en ambientes de gas explosivos peligrosos, hasta Zona 0, cuando se requiere de gran autonomía, resistencia y potente iluminación.

The MasterEx 79650 FOCUS LED torch provides 32 hours of continuous work with 3 C alcaline batteries, projecting an illumination of 109 lumens. Its powerful FOCUS LED and robust estructure make it the ideal torch for hazardous gas areas, up to Zone 0, when long autonomy, heavy-duty performance and powerful illumination are required.

La lampe FOCUS LED MasterEx 79650 offre une autonomie de 32 heures avec ses 3 piles alcalines C, en fournissant 109 lumens d'illumination. Son puissant FOCUS LED et sa structure robuste la transforment en lampe parfaite pour utiliser dans les environnements de gaz explosifs dangereux, jusqu'à la Zone 0, quand c'est nécessaire d'avoir une grande autonomie, résistance et un puissant éclairage.

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Temperatura ambiente Ta / *Ambient temperature Ta* / Température ambiante Ta	-20 °C - +50 °C
Fuente de luz / *Light source* / Source de lumière	1 W Focus Led
Luminosidad / *Brightness* / Luminosité	109 Lúmenes / *109 Lumens* / 109 Lumens
Alimentación / *Power* / Poids	3 x C pilas (certificadas) / *3 x C batteries (type tested)* / 3 x C piles (certifiées)
Clase de protección / *Protection class* / Classe de protection	IP54
Longitud / *Length* / Longueur	205 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 1 G Ex ia IIC T4
Peso / *Weight* / Poids	380 g

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

Zonas / *Zones*

0, 1, 2 GAS / *GAZ*

LINTERNAS INTRÍNSECAMENTE SEGURAS
INTRINSICALLY-SAFE TORCHES
LAMPES INTRINSÈQUEMENT SÛRES
EX-GESCHÜTZTE TASCHENLAMPE

TORCE INTRINSICAMENTE SICUR
LANTERNAS INTRINSECAMENTE SEGURAS
ВЗРЫВОБЕЗОПАСНЫЕ ФОНАРИ



MASTEREX 76533

La linterna LED MasterEx 76533 ofrece una autonomía de 12 o 5 horas con sus 3 pilas alcalinas AAA, aportando 100 o 216 lúmenes de iluminación. Su potente LED la convierte en una linterna perfecta para uso en los ambientes de gas explosivos más peligrosos, hasta Zona 0, cuando se requiere de gran potencia de alumbrado. Una solución ideal entre máxima seguridad, potente alumbrado y economía.

The MasterEx 76533 LED torch provides 12 or 5 hours of continuous work with 3 AAA alcaline batteries, projecting an illumination of 100 or 216 lumens. Its powerful LED makes it the ideal torch for the most hazardous gas areas, up to Zone 0, when high illumination is required. It is the ideal combination of maximum safety, powerful illumination and cost-effectiveness.

La lampe LED MasterEx 76533 offre une autonomie de 12 ou 5 heures avec ses 3 piles alcalines AAA, en fournissant 100 ou 216 lumens d'illumination. Son puissant LED la transforme en lampe parfaite pour utiliser dans les environnements de gaz explosifs les plus dangereux, jusqu'à la Zone 0, quand c'est nécessaire d'obtenir une grande puissance d'éclairage. Une solution idéale de sécurité maximale, puissant éclairage et économie.

*** 12M**

COD. **76533**

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Temperatura ambiente Ta / *Ambient temperature Ta* / Température ambiante Ta	-20 °C - +40 °C
Fuente de luz / *Light source* / Source de lumière	Cree XP-G2 LED
Luminosidad / *Brightness* / Luminosité	Baja: 100 Lúmenes / Alta: 216 Lúmenes / *Low: 100 Lumens / High: 216 Lumens* / Faible: 100 Lumens / Haute: 216 Lumens
Alimentación / *Power* / Poids	3 x AAA pilas (certificadas) / *3 x AAA batteries (type tested)* / 3 x AAA piles (certifiées)
Clase de protección / *Protection class* / Classe de protection	IP67
Longitud / *Length* / Longueur	80 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 1G Ex ia IIC T4 Ga IP67
Alcance / *Reach* / Distance	Baja: 75 m / Alta: 100 m / *Low: 75 m / High: 100 m* / Faible: 75 m / Haute: 100 m
Peso / *Weight* / Poids	130 g
Baterías incluidas / *Batteries incluided* / Batteries incluses	●

Zonas / *Zones*

1, 2 GAS / *GAZ*
21-22 POLVO / *DUST* / POUSSIÈRE



MASTEREX 79590

La linterna Xenon MasterEx 79590 ofrece una autonomía de 2 horas con sus 2 pilas alcalinas AAA, aportando 7 lúmenes de iluminación. Su ligereza y ergonomía la convierten en una linterna perfecta para uso en ambientes de gas explosivos peligrosos, hasta Zona 1, conjugando versatilidad y eficiencia.

The MasterEx 79590 Xenon torch provides 2 hours of continuous work with 2 AAA alcaline batteries, projecting an illumination of 7 lumens. Its light and ergonomic makes it the ideal torch for hazardous gas areas, up to Zone 1, matching versatility and cost-effectiveness.

La lampe Xenon MasterEx 79590 offre une autonomie de 2 heures avec ses 2 piles alcalines AAA, en fournissant 7 lumens d'illumination. Sa légèreté et son ergonomie la transforment en lampe parfaite pour utiliser dans les environnements de gaz explosifs dangereux, jusqu'à la Zone 1, en associant la polyvalence et l'économie.

*** 12M**

COD. **79590**

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Temperatura ambiente Ta / *Ambient temperature Ta* / Température ambiante Ta	-20 °C - +50 °C
Fuente de luz / *Light source* / Source de lumière	1,1 W Xenon
Luminosidad / *Brightness* / Luminosité	7 Lúmenes / *7 Lumens* / 7 Lumens
Alimentación / *Power* / Poids	2 x AAA pilas (certificadas) / *2 x AAA batteries (type tested)* / 2 x AAA piles (certifiées)
Clase de protección / *Protection class* / Classe de protection	IP67
Longitud / *Length* / Longueur	104 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2 G Ex e ib IIB T4 / Ⓔx II 2 D Ex ib D 21 IP67 T100°C
Peso / *Weight* / Poids	45 g
Baterías incluidas / *Batteries incluided* / Batteries incluses	-

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

Zonas / *Zones*

0, 1, 2 GAS / *GAZ*

LINTERNAS INTRÍNSECAMENTE SEGURAS
INTRINSICALLY-SAFE TORCHES
LAMPES INTRINSÈQUEMENT SÛRES
EX-GESCHÜTZTE TASCHENLAMPE

TORCE INTRINSICAMENTE SICUR
LANTERNAS INTRINSECAMENTE SEGURAS
ВЗРЫВОБЕЗОПАСНЫЕ ФОНАРИ



*** 12M**

COD.
79591

MASTEREX 79591

La linterna LED MasterEx 79591 ofrece una autonomía de 130 horas con sus 4 pilas alcalinas LR44, aportando 9 lúmenes de iluminación. Su ligereza y reducido volumen la convierten en una linterna perfecta para uso en los ambientes de gas explosivos más peligrosos.

The MasterEx 79591 LED torch provides 130 hours of continuous work with 4 LR44 alcaline batteries, projecting an illumination of 9 lumens. Its light and small design makes it the ideal torch for the most hazardous gas areas.

La lampe LED MasterEx 79591 offre une autonomie de 130 heures avec ses 4 piles alcalines LR44, en fournissant 9 lumens d'illumination. Sa légèreté et son petit volume la transforment en lampe parfaite pour utiliser dans les environnements de gaz explosifs les plus dangereux.

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Temperatura ambiente Ta / *Ambient temperature Ta* / Température ambiante Ta	-20 °C - +50 °C
Fuente de luz / *Light source* / Source de lumière	0,2 W Led
Luminosidad / *Brightness* / Luminosité	9 Lúmenes / *9 Lumens* / 9 Lumens
Alimentación / *Power* / Poids	4 x LR 44 pilas (certificadas) / *4 x LR 44 batteries (type tested)* / 4 x LR 44 piles (certifiées)
Clase de protección / *Protection class* / Classe de protection	IP54
Longitud / *Length* / Longueur	67 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 1 G Ex ia IIC T4/T6
Peso / *Weight* / Poids	25 g
Baterías incluidas / *Batteries incluided* / Batteries incluses	●

Zonas / *Zones*

0, 1, 2 GAS / *GAZ*



*** 12M**

COD.
79598

MASTEREX 79598

La Linterna MasterEx 79598 ofrece una autonomía de 13 horas con sus 4 pilas alcalinas AA y está equipada con un LED de potencia 1W.
Su ligereza, ergonomía y su grado de protección IP68 la convierten en una linterna perfecta para su uso tanto en ambientes de gas explosivos peligrosos, hasta zona 0, como para uso subacuático.

The MasterEx 79598 LED torch offers 13 hours of continuous work with 4 AA alcaline batteries and is equipped with a 1W power LED.
Its light, ergonomics and IP68 protection grade makes it a perfect torch for use both in hazardous gas areas, up to Zone 0, and for underwater use.

La lampe LED MasterEx 79598 offre une autonomie de 13 heures avec ses 4 piles alcalines AA et elle est composée par un LED de puissance 1W.
Sa légèreté, ergonomie et degré de protection IP68, la transforment en lampe parfaite pour utiliser dans les environnements de gaz explosifs dangereux, jusqu'à la Zone 0, comme pour utilisation subaquatique.

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Inmersión continua / *Continuous immersion* / Immersion continue	●
Fuente de luz / *Light source* / Source de lumière	Osram 1 W Led
Luminosidad / *Brightness* / Luminosité	60 Lúmenes / *60 Lumens* / 60 Lumens
Alimentación / *Power* / Poids	4 x AA pilas (certificadas) / *4 x AA batteries (type tested)* / 4 x AA piles (certifiées)
Clase de protección / *Protection class* / Classe de protection	IP68
Longitud / *Length* / Longueur	175 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 1 G Ex ia IIC T4 ia D 20 T135°C
Denominación UL / *UL designation* / Dénomination UL	Class I Div 1 Grp ABCD Class II Div1 Grp EFG Class III Temp code: T4
Denominación IECEx / *IECEx designation* / Dénomination IECEx	Ⓔx Ex ia IIc T4 Ga
Peso / *Weight* / Poids	96 g
Baterías incluidas / *Batteries incluided* / Batteries incluses	●

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

ILUMINACIÓN / *LIGHTING* / ÉCLAIRAGE / *BELEUCHTUNG* / ILLUMINAZIONE / *ILUMINAÇÃO* / ОСВЕЩЕНИЕ

LINTERNAS INTRÍNSECAMENTE SEGURAS
INTRINSICALLY-SAFE TORCHES
LAMPES INTRINSÈQUEMENT SÛRES
EX-GESCHÜTZTE TASCHENLAMPE

TORCE INTRINSICAMENTE SICUR
LANTERNAS INTRINSECAMENTE SEGURAS
ВЗРЫВОБЕЗОПАСНЫЕ ФОНАРИ





Zonas / *Zones*
0, 1, 2 GAS / *GAZ*

*** 12M**

COD.
79693

MASTEREX 79693

La Linterna MasterEx 79693 ofrece una autonomía de 40 horas con sus 3 pilas 1.5V alcalinas C y está equipada con un LED Cree XP-E.

Su ligereza, ergonomía y su grado de protección IPX7 la convierten en una linterna perfecta para su uso tanto en ambientes de gas explosivos peligrosos, hasta zona 0, como para uso subacuático (inmersión temporal).

The MasterEx 79693 LED torch offers 40 hours of continuous work with 3 1.5V C alcaline batteries and is equipped with a Cree XP-E LED.

Its light, ergonomics and IPX7 protection grade makes it a perfect torch for use both in hazardous gas areas, up to Zone 0, and for underwater use (temporary immersion).

La lampe LED MasterEx 79693 offre une autonomie de 40 heures avec ses 3 piles 1.5 V alcalines C et elle est omposée par un LED Cree XP-E.

Sa légèreté, ergonomie et degré de protection IPX7, la transforment en lampe parfaite pour utiliser dans les environnements de gaz explosifs dangereux, jusqu'à la Zone 0, comme pour utilisation subaquatique (immersion temporaire).

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fuente de luz / *Light source* / Source de lumiére	Cree XP-E LED
Luminosidad / *Brightness* / Luminosité	Baja: 57 Lúmenes / Alta: 141 Lúmenes *Low: 57 Lumens / High: 141 Lumens* Faible: 57 Lumens / Haute: 141 Lumens
Modo / *Mode* / Mode	Alta-Baja-Apagado *High-Low-Off* Haute-Faible-Éteinte
Alimentación / *Power* / Poids	3 x C 1.5V pilas alcalinas (certificadas) *3 x C 1.5V alkaline batteries (type tested)* 3 x C 1.5V piles alcalines (certifiées)
Clase de protección / *Protection class* / Classe de protection	IPX7
Longitud / *Length* / Longueur	220 mm
Inmersión temporal / *Temporary immersion* / Immersion temporaire	●
Soporte / *Support* / Support	●
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 1 G Ex ia IIC T4
Denominación UL / *UL designation* / Dénomination UL	Class I Div 1 Grp ABCD Class II Div1 Grp EFG Class III Temp code: T4
Denominación IECEx / *IECEx designation* / Dénomination IECEx	Ex ia IIc T4 Ga
Peso / *Weight* / Poids	190 g
Baterías incluidas / *Batteries incluided* / Batteries incluses	●

CÁMARA / *CAMERA* / CAMÉRA / *KAMERA* / CAMERA / *CÂMARA* / КАМЕРА

CÁMARA DIGITAL INTRÍNSECAMENTE SEGURA
INTRINSICALLY-SAFE DIGITAL CAMERA
CAMÉRA DIGITALE INTRINSÈQUEMENT SÛRE
EX-GESCHÜTZTE DIGITALKAMERA
CAMERA DIGITALE INTRINSECAMENTE SICURA
CÂMARA DIGITAL INTRINSECAMENTE SEGURA
ВЗРЫВОБЕЗОПАСНАЯ ЦИФРОВАЯ КАМЕРА

MASTEREX 79789



La cámara digital intrínsecamente segura MasterEx 79789 es la herramienta de visualización perfecta para áreas con peligro de explosión. Con certificación ATEX e IECEx, la MasterEx 79789 puede usarse en todos los sectores, como por ejemplo en plantas químicas y farmacéuticas, plataformas de producción de petróleo y gas, refinerías, minería y servicios de emergencia, entre otros.

Fabricada en plástico antiestático reforzado, la MasterEx 79789 está clasificada como IP65, con lo cual puede emplearse en los ambientes más duros. Gracias a su carcasa fina y alargada, su peso no supera los 200 g, lo que la convierte en la herramienta perfecta para el transporte de bolsillo.

Equipada con un flash 4 LEDS de alto brillo, tecnología antivibraciones y una resolución de 3,1 megapixels, la MasterEx 79789 ofrece imágenes de alta calidad en ambientes con alto peligro de explosión, y de forma segura.

La transferencia de datos a cualquier ordenador en un área segura es simple y fácil de llevar a cabo vía puerto USB empleando el PTP (protocolo de transferencia de fotos), que se inicia automáticamente.

La hora y la fecha se imprimen automáticamente en todas las fotografías para crear una historia cronológica, uniéndose automáticamente la función Anotación Verbal de Audio al nombre del archivo.

The MasterEx 79789 intrinsically safe digital camera is the perfect visualisation tool for use in hazardous areas. ATEX and IECEx certified, MasterEx 79789 can be used in all sectors of industry including Chemical & Pharmaceutical plants, Oil &Gas production platforms, Refineries, Mining and Emergency Services to name but a few.

Made of rugged injection moulded anti-static plastic, MasterEx 79789 is IP65 rated and is suitable for use in the most arduous environments. Due to its long slim lightweight enclosure weighing less than 200 g, MasterEx 79789 lends itself to single handed operation, making it convenient to carry in your pocket.

Equipped with its super bright 4 LED flash, anti-shake technology and 3.1 mega pixel resolution, MasterEx 79789 provides high quality images in all Hazardous Area environments.

Data transfer to any computer in the safe area is simple and easy to undertake via a USB port utilising Picture Transfer Protocol (PTP) which is initiated automatically.

All images are date and time stamped to create a chronological history and are coupled to the unique function of Voice Annotation Audio records, which are systematically matched to the image file name.

La caméra digitale intrinsèquement sûre MasterEx 79789 est l'outil de visualisation parfait pour les zones avec danger d'explosion. Grâce aux certificats ATEX et IECEX, la MasterEx 79789 peut s'employer dans tous les secteurs, comme par exemple : les usines chimiques et pharmaceutiques, plates-formes de production de pétrole et gaz, raffineries, minière et services d'urgences, entre autres.

Fabriquée en plastique antistatique renforcé, la MasterEx 79789 est classée IP65, pour cette raison elle peut être utilisée dans les environnements les plus critiques. Avec sa carcasse fine et allongée, son poids ne dépasse pas les 200 g, ce qui lui permet d'être considérée un outil parfait et facile de garder dans la poche.

Équipée avec un flash de 4 diodes d'haute brillance, technologie anti-vibrations et une résolution de 3,1 mégapixels, la MasterEx 79789 offre de forme sûre des images d'haute qualité dans les milieux avec grand danger d'explosion.

Le transfert de données à n'importe quel ordinateur est simple et facile d'effectuer dans un lieu sûr par USB, en employant le PTP (protocole de transfert de photos) dont ce dernier se déclenche automatiquement.

L'heure et la date s'impriment automatiquement dans toutes les photos afin de créer une histoire chronologique, tout en ajoutant la fonction Annotation Verbale de Son au nom du fichier.

CÁMARA / *CAMERA* / CAMÉRA / *KAMERA* / CAMERA / *CÂMARA* / КАМЕРА

Zonas / *Zones*

0, 1, 2 GAS / *GAZ*
M1 MINERÍA / *MINING* / MINIÈRE



*** 12M**

COD.
79789

MASTEREX 79789

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Resolución / *Resolution* / Résolution	3,1 MegaPixel (2048x1536)
Memoria interna / *Internal memory* / Mémoire interne	1Gb
Flash	4x LED de alto brillo *4x LED of high brightness* 4 x LED de haute brillance
Transferencia de datos / *Data transference* / Transfert de données	USB 1.1
Clase de protección / *Protection class* / Classe de protection	IP65
Temperatura de trabajo / *Working temperature* / Température de travail	Grupo II: -20 °C - +60 °C Grupo I: 0° - +60 °C *Group II: -20 °C - +60 °C Group I: 0° - +60 °C* Groupe II: -20 °C - +60 °C Groupe I: 0° - +60 °C
Marcaje temporal de imágenes / *Image date and time stamping* / Marquage temporel d'images	●
Imagen / *Image* / Image	JPG
Almacenamiento de imágenes con fecha y hora / *Image storage with time and date* / Emmagasinement des images avec dates et heure	●
Funda protectora de goma / *Protective rubber cover* / Étui protecteur en caoutchouc	●
Anotación de voz / *Voice annotation* / Annotation de voix	WAV
Anti Shake	●
Función auto-apagado / *Auto power-off* / Fonction auto-éteint	3 mins
USB	●
Lente / *Lens* / Lentille	Enfoque automatico, 3,39mm *Automatic focus, 3,39 mm* Focalisation automatique, 3,39mm
Distancia focal / *Focal distance* / Distance focale	5 cm
Pilas / *Batteries* / Piles	2xAA
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 1 G Ex ia IIB T4/T3 Ga Ⓔx II 2 G Ex ia IIC T4 Gb -20 °C ≤ Ta ≤ +60 °C Ⓔx I M1 Ex ia I Ma 0 °C ≤ Ta ≤ +60 °C
Denominación IECEx / *IECEx designation* / Dénomination IECEx	Ex II 1 G Ex ia IIB T4/T3 Ga Ex II 2 G Ex ia IIC T4 Gb -20 °C ≤ Ta ≤ +60 °C Ex ia I Ma 0 °C ≤ Ta ≤ +60 °C
Dimensiones / *Dimensions* / Dimensions	132 x 32 x 22 mm
Peso / *Weight* / Poids	200 g
Material / *Material* / Matière	Plastico antiestatico reforzado *Reinforced antistatic plastic* Plastique antistatique renforcé

TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

Los taladros ATEX de **EGA Master** son robustos, potentes y muy manejables. El usuario dispone de diferentes modelos para poder escoger el que más se adapte a sus necesidades.

El taladro percutor de **EGA Master** está pensado para realizar taladros y perforaciones en multitud de materiales. La gran diferencia frente a un taladro normal, es la posibilidad de seleccionar un movimiento de percusión que acompañe al de rotación, facilitando enormemente la capacidad de perforación. Es imprescindible para perforar espesores muy gruesos de material de obra determinados o materiales muy duros, como el hormigón, la piedra, etc.

__EGA Master__'s ATEX drills are solid, powerful and very manageable. The user can choose different models that best suit his needs.

__EGA Master__ Hammer drill is designed for drilling holes in several types of materials. The great difference from an ordinary drill, is the possibility of selecting a percussive movement that accompanies the rotation, greatly facilitating the drilling performance. This drill is essential to bore very thick or very hard materials such as concrete, stone, etc.

Les perceuses ATEX d'**EGA Master** sont robustes , puissantes et très maniables. L'utilisateur dispose de différents modèles pour pouvoir choisir celui qui s'adapte le mieux à ses besoins.

La perceuse à percussion d'**EGA Master** a été conçue pour réaliser des perçages dans des multitudes de matériaux. La grande différence face à une perceuse normale, est la possibilité de sélectionner un mouvement de percussion qui accompagne celui de rotation, facilitant énormément la capacité de perforation. Elle est indispensable pour percer de grosses épaisseurs de matériau de travail ou des matériaux très durs, comme le béton, la pierre, etc.

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M** CE



COD.
79602
79603

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	
79602	10 mm
79603	13 mm
Capacidad / *Capacity* / Capacité	
79602	10 mm (acero) / *10 mm (steel)* / 10 mm (acier)
79603	13 mm (acero) / *13 mm (steel)* / 13 mm (acier)
RPM	
79602	1550
79603	850
Potencia / *Power* / Puissance	0,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	0,6 m^3/min
Conexión / *Connection* / Connexion	R 1/4"i
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	10 mm
Nivel sonoro / *Sound level* / Niveau sonore	84 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Longitud / *Length* / Longueur	230 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 Ex h I Mb T6
Peso / *Weight* / Poids	2,1 kg

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M** CE



COD.
79904
79905

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	
79904	10 mm
79905	13 mm
Capacidad / *Capacity* / Capacité	
79904	10 mm (acero) / *10 mm (steel)* / 10 mm (acier)
79905	13 mm (acero) / *13 mm (steel)* / 13 mm (acier)
RPM	
79904	1550
79905	850
Potencia / *Power* / Puissance	0,5 kW
Conexión (entrada/salida) / *Connection (inlet /outlet)* / Connexion (entrée /sortie)	R 1/4"f - R 3/8"f
Consumo de aire / *Air consumption* / Consommation d'air	0,6 m^3/min
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 10 mm
Nivel sonoro / *Sound level* / Niveau sonore	84 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Longitud / *Length* / Longueur	
79904	235 mm
79905	245 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	2,1 kg

TALADRO MANGO EN D / *D-HANDLE DRILL* / PERCEUSE MANCHE D / *LUFTDRUCK-BOHRMASCHINE* / TRAPANO CON MANICO A D / *BERBEQUIM COM PUNHO FECHADO* / ДРЕЛЬ С РУКОЯТКОЙ ТИП D

*** 12M** CE



COD.
79605

Zonas / *Zones*
M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Par / *Torque* / Paire	9 Nm
Portabrocas / *Chuck* / Mandrin	De acción rápida / *Quick action* /Action rapide
Capacidad / *Capacity* / Capacité	13 mm (acero) / *13 mm (steel)* / 13 mm (acier)
RPM	650
Potencia / *Power* / Puissance	0,65 kW
Consumo de aire / *Air consumption* / Consommation d'air	0,68 m^3/min
Conexión / *Connection* / Connexion	R 3/8"f
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Nivel sonoro / *Sound level* / Niveau sonore	89 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx I M2 Ex h I Mb T6
Peso / *Weight* / Poids	5,7 kg

TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

TALADRO ANGULAR / *CORNER DRILL* / PERCEUSE D'ANGLE / *LUFTDRUCK-WINKEL-BOHRMASCHINE* / TRAPANO ANGOLARE / *BERBEQUIM ANGULAR* / УГЛОВАЯ ДРЕЛЬ

*** 12M** CE



COD.
79249
79606

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	
79249	MT2
79606	MT3
Capacidad / *Capacity* / Capacité	
79249	23 mm (acero) / *23 mm (steel)* / 23 mm (acier)
79606	32 mm (acero) / *32 mm (steel)* / 32 mm (acier)
RPM	
79249	270
79606	260
Potencia / *Power* / Puissance	
79249	1,33 kW
79606	1,92 kW
Par / *Torque* / Paire	
79249	48 Nm
79606	72 Nm
Consumo de aire / *Air consumption* / Consommation d'air	
79249	1,40 m^3/min
79606	1,80 m^3/min
Conexión / *Connection* / Connexion	R 3/4"a
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	15 mm
Nivel sonoro / *Sound level* / Niveau sonore	
79249	92 db
79606	93 db
Nivel de vibración / *Vibration level* / Niveau de vibration	
79249	3,3 m/s^2
79606	3,4 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 c T6
Peso / *Weight* / Poids	
79249	8,5 kg
79606	11,5 kg

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

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TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

TALADRO CON HUSILLO DE ALIMENTACIÓN REVERSIBLE / *REVERSIBLE FEED SPINDLE DRILL* / PERCEUSE AVEC BROCHE D' ALIMENTATION RÉVERSIBLE / *BOHRMASCHINE MIT UMSCHALTBARER VORSCHUBSPINDEL* / TRAPANO REVERSIBILE CON MANDRINO / *BERBEQUIM COM FUSO DE ALIMENTAÇÃO REVERSÍVEL* / ДРЕЛЬ С РЕВЕРСИВНЫМ ШПИНДЕЛЕМ ПНЕВМАТИЧЕСКАЯ

*** 12M** CE



COD.
79996
79998

Ex

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	
79996	MT2
79998	MT3
Capacidad / *Capacity* / Capacité	
79996	23 mm (acero) / *23 mm (steel)* / 23 mm (acier)
79998	32 mm (acero) / *32 mm (steel)* / 32 mm (acier)
RPM	250
Potencia / *Power* / Puissance	
79996	1,5 kW
79998	1,25 kW
Par / *Torque* / Paire	46 Nm
Consumo de aire / *Air consumption* / Consommation d'air	
79996	1,20 m^3/min
79998	1,50 m^3/min
Conexión / *Connection* / Connexion	R 3/4"a
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	15 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c T6
Peso / *Weight* / Poids	
79996	12 kg
79998	12,5 kg

TALADRO MAGNÉTICO / *MAGNETIC CORE DRILL* / PERCEUSE MAGNÉTIQUE / *KERNLOCHBOHRER MIT MAGNETFUß* / TRAPANO MAGNETICO / *BERBEQUIM MAGNÉTICO* / СТАНОК ДЛЯ ВЫРЕЗАНИЯ ОТВЕРСТИЙ НА МАГНИТНОЙ ПОДУШКЕ



*** 12M** CE

COD.
79632
79633

Ex

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Par / *Torque* / Paire	47,5 Nm
Portabrocas / *Chuck* / Mandrin	19 mm
Máximo diámetro de perforación / *Maximum diameter of drilling* / Diamètre maximum de perforation	53 mm
Fuerza magnética / *Magnetic force* / Force magnétique	800 kg
RPM	400
Potencia / *Power* / Puissance	1,0 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,50 m^3/min
Carrera / *Stroke* / Parcours	
79632	125 mm
79633	260 mm
Conexión / *Connection* / Connexion	R 3/8"f
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c T6
Peso / *Weight* / Poids	
79632	19 kg
79633	21,5 kg

TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

PERFORADORA / *CORE DRILL* / CAROTTEUSE À BETON / *BOHRHAMMER* / PERFORATORE / *PERFURADORA* / ДРЕЛЬ АЛМАЗНОГО БУРЕНИЯ

*** 12M** CE



COD. **79303**

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Par / *Torque* / Paire	49/31/16 Nm
Consumo de aire / *Air consumption* / Consommation d'air	2,2 m^3/min
Conexión / *Connection* / Connexion	R 3/4" f
RPM	400-900-1600
Potencia / *Power* / Puissance	1,6 kW
Brocas standard / *Standard drills* / Mèche standard	≤160 mm
Conexión a broca / *Bit connection* / Connexion de bits	1.1/4"UNC macho / R1/2" hembra *1.1/4"UNC male / R1/2" female* 1.1/4"UNC mâle / R1/2" femelle
Longitud / *Length* / Longueur	540 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	8,2 kg

*** 12M** CE



COD. **79330**

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Par / *Torque* / Paire	90/56/29 Nm
Consumo de aire / *Air consumption* / Consommation d'air	3,5 m^3/min
Conexión / *Connection* / Connexion	R 3/4" a
RPM	300-700-1350
Potencia / *Power* / Puissance	2,8 kW
Brocas standard / *Standard drills* / Mèche standard	≤160 mm
Conexión a broca / *Bit connection* / Connexion de bits	1.1/4"UNC macho / R1/2" hembra *1.1/4"UNC male / R1/2" female* 1.1/4"UNC mâle / R1/2" femelle
Longitud / *Length* / Longueur	600 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx I M2 Ex h I Mb T6
Peso / *Weight* / Poids	17,7 kg

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

PERFORADORA / *CORE DRILL* / CAROTTEUSE À BETON / *BOHRHAMMER* / PERFORATORE / *PERFURADORA* / ДРЕЛЬ АЛМАЗНОГО БУРЕНИЯ

*** 12M** CE



COD. **79357**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Par / *Torque* / Paire	49/31/16 Nm
Consumo de aire / *Air consumption* / Consommation d'air	2,2 m^3/min
Conexión / *Connection* / Connexion	R 3/4" a
RPM	400-900-1600
Potencia / *Power* / Puissance	1,6 kW
Brocas standard / *Standard drills* / Mèche standard	≤160 mm
Conexión a broca / *Bit connection* / Connexion de bits	1.1/4"UNC macho / R1/2" hembra *1.1/4"UNC male / R1/2" female* 1.1/4"UNC mâle / R1/2" femelle
Longitud / *Length* / Longueur	540 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	8,2 kg

*** 12M** CE



COD. **79422**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Par / *Torque* / Paire	90/56/29 Nm
Consumo de aire / *Air consumption* / Consommation d'air	3,5 m^3/min
Conexión / *Connection* / Connexion	R 3/4" f
RPM	300-700-1350
Potencia / *Power* / Puissance	2,8 kW
Brocas standard / *Standard drills* / Mèche standard	≤300 mm
Conexión a broca / *Bit connection* / Connexion de bits	1.1/4"UNC macho / R1/2" hembra *1.1/4"UNC male / R1/2" female* 1.1/4"UNC mâle / R1/2" femelle
Longitud / *Length* / Longueur	516 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	12,7 kg

TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

TALADRO MAGNÉTICO / *MAGNETIC CORE DRILL* / PERCEUSE MAGNÉTIQUE / *KERNLOCHBOHRER MIT MAGNETFUß* / TRAPANO MAGNETICO / *BERBEQUIM MAGNÉTICO* / СТАНОК ДЛЯ ВЫРЕЗАНИЯ ОТВЕРСТИЙ НА МАГНИТНОЙ ПОДУШКЕ

*** 12M** CE



COD. 79432

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Portabrocas / *Chuck* / Mandrin	MT3
Máximo diámetro de perforación / *Maximum diameter of drilling* / Diamètre maximum de perforation	100 mm
Fuerza magnética / *Magnetic force* / Force magnétique	850 kg
RPM	40-250
Potencia / *Power* / Puissance	2,5 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	20-23 l/min
Carrera / *Stroke* / Parcours	300 mm
Nivel sonoro / *Sound level* / Niveau sonore	79,8 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s²
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c IIB T5
Peso / *Weight* / Poids	22,5 kg

PERFORADORA / *CORE DRILL* / CAROTTEUSE À BETON / *BOHRHAMMER* / PERFORATORE / *PERFURADORA* / ДРЕЛЬ АЛМАЗНОГО БУРЕНИЯ

*** 12M** CE



COD. 79920

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
RPM	380-900-1800
Potencia / *Power* / Puissance	2,8 kW
Par / *Torque* / Paire	60/38/17 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	22-45 l/min
Conexión / *Connection* / Connexion	1/2"FF
Brocas standard / *Standard drills* / Mèche standard	≤160 mm
Conexión a broca / *Bit connection* / Connexion de bits	1.1/4"UNC macho / R1/2" hembra *1.1/4"UNC male / R1/2" female* 1.1/4"UNC mâle / R1/2" femelle
Longitud / *Length* / Longueur	490 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	8,5 kg

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

PERFORADORA / *CORE DRILL* / CAROTTEUSE À BETON / *BOHRHAMMER* / PERFORATORE / *PERFURADORA* / ДРЕЛЬ АЛМАЗНОГО БУРЕНИЯ

*** 12M**



COD.
79276

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
RPM	380-900-1800
Potencia / *Power* / Puissance	3,1 kW
Par / *Torque* / Paire	70/45/25 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	22-45 l/min
Conexión / *Connection* / Connexion	1/2"FF
Brocas standard / *Standard drills* / Mèche standard	≤300 mm
Conexión a broca / *Bit connection* / Connexion de bits	1.1/4"UNC macho / R1/2" hembra *1.1/4"UNC male / R1/2" female* 1.1/4"UNC mâle / R1/2" femelle
Longitud / *Length* / Longueur	490 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	9,0 kg

PERCUSIÓN / *PERCUSSION* / PERCUSSION / *SCHLAGZEUG* / PERCUSSIONE / *PERCUSSÃO* / УДАРНЫЙ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

TALADRO CON PERCUSIÓN / *IMPACT DRILL* / PERCEUSE À PERCUSSION / *SCHLAGBOHRMASCHINE* / TRAPANO A PERCUSSIONE / *BERBEQUIM DE PERCUSSÃO* / УДАРНАЯ ДРЕЛЬ

*** 12M** CE



COD. **79604**

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	13 mm
Capacidad / *Capacity* / Capacité	13 mm (acero) / *13 mm (steel)* / 13 mm (acier)
RPM	950
Potencia / *Power* / Puissance	0,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	0,6 m^3/min
Conexión / *Connection* / Connexion	R 1/4"i
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	10 mm
Nivel sonoro / *Sound level* / Niveau sonore	84 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Longitud / *Length* / Longueur	290 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx I M2 Ex h I Mb T6
Peso / *Weight* / Poids	3,3 kg

*** 12M** CE



COD. **79906**

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	13 mm
Capacidad / *Capacity* / Capacité	13 mm (acero) - 20 mm (hormigón) *13 mm (steel) - 20 mm (concrete)* 13 mm (acier) - 20 mm (béton)
RPM	950
Potencia / *Power* / Puissance	0,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	0,6 m^3/min
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 10 mm
Nivel sonoro / *Sound level* / Niveau sonore	84 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Conexión (entrada/salida) / *Connection (inlet /outlet)* / Connexion (entrée /sortie)	R 1/4"f - R 3/8"f
Longitud / *Length* / Longueur	300 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	3,3 kg

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

PERCUSIÓN / *PERCUSSION* / PERCUSSION / *SCHLAGZEUG* / PERCUSSIONE / *PERCUSSÃO* / УДАРНЫЙ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

TALADRO CON PERCUSIÓN / *IMPACT DRILL* / PERCEUSE À PERCUSSION / *SCHLAGBOHRMASCHINE* / TRAPANO A PERCUSSIONE / *BERBEQUIM DE PERCUSSÃO* / УДАРНАЯ ДРЕЛЬ

*** 12M** CE



COD. **79907**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Capacidad / *Capacity* / Capacité	28 mm (hormigón) / *28 mm (concrete)* / 28 mm (béton)
RPM	625
Potencia / *Power* / Puissance	0,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	0,6 m^3/min
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 10 mm
Nivel sonoro / *Sound level* / Niveau sonore	93 db
Nivel de vibración / *Vibration level* / Niveau de vibration	4,5 m/s^2
Conexión (entrada/salida) / *Connection (inlet /outlet)* / Connexion (entrée /sortie)	R 1/2"f - R 3/8"f
Impactos por minuto / *Impacts per minute* / Impacts par minute	3000
Adaptador / *Adapter plug* / Adaptateur	SDS-plus®
Longitud / *Length* / Longueur	400 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	6,3 kg

*** 12M** CE



COD. **79908**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	SDS-max
Capacidad / *Capacity* / Capacité	50 mm (hormigón) - 80 mm (mampostería) *50 mm (concrete) - 80 mm (masonry)* 50 mm (béton) - 80 mm (maçonnerie)
RPM	250
Potencia / *Power* / Puissance	1,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,5 m^3/min
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 13 mm
Nivel sonoro / *Sound level* / Niveau sonore	90,4 db
Nivel de vibración / *Vibration level* / Niveau de vibration	9,2 m/s^2
Conexión (entrada/salida) / *Connection (inlet /outlet)* / Connexion (entrée /sortie)	R 1/2"f - R 3/8"f
Impactos por minuto / *Impacts per minute* / Impacts par minute	2500
Longitud / *Length* / Longueur	640 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	13,3 kg

PERCUSIÓN / *PERCUSSION* / PERCUSSION / *SCHLAGZEUG* / PERCUSSIONE / *PERCUSSÃO* / УДАРНЫЙ

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

TALADRO CON PERCUSIÓN / *IMPACT DRILL* / PERCEUSE À PERCUSSION / *SCHLAGBOHRMASCHINE* / TRAPANO A PERCUSSIONE / *BERBEQUIM DE PERCUSSÃO* / УДАРНАЯ ДРЕЛЬ

*** 12M** CE



COD. **79915**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	80 bar
Impactos por minuto / *Impacts per minute* / Impacts par minute	3400
Capacidad / *Capacity* / Capacité	28 mm (hormigón) - 50 mm (mampostería) *28 mm (concrete) - 50 mm (masonry)* 28 mm (béton) - 50 mm (maçonnerie)
RPM	500
Potencia / *Power* / Puissance	1,2 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	15-45 l/min
Conexión / *Connection* / Connexion	3/4"-16UNF
Adaptador / *Adapter plug* / Adaptateur	SDS-plus®
Nivel sonoro / *Sound level* / Niveau sonore	92 db
Nivel de vibración / *Vibration level* / Niveau de vibration	4,5 m/s^2
Longitud / *Length* / Longueur	460 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	8,2 kg

*** 12M** CE



COD. **79916**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	80 bar
Impactos por minuto / *Impacts per minute* / Impacts par minute	2300
Capacidad / *Capacity* / Capacité	50 mm (hormigón) - 80 mm (mampostería) *50 mm (concrete) - 80 mm (masonry)* 50 mm (béton) - 80 mm (maçonnerie)
RPM	270
Potencia / *Power* / Puissance	1,2 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	15-45 l/min
Conexión / *Connection* / Connexion	3/4"-16UNF
Adaptador / *Adapter plug* / Adaptateur	SDS-max
Nivel sonoro / *Sound level* / Niveau sonore	92 db
Nivel de vibración / *Vibration level* / Niveau de vibration	9 m/s^2
Longitud / *Length* / Longueur	640 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	14 kg

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

LLAVES DE IMPACTO / *IMPACT WRENCHES* / CLÉS À CHOC / *SCHLAGSCHRAUBER* / AVVITATORI AD IMPULSI / *CHAVES DE IMPACTO* / УДАРНЫЕ ГАЙКОВЕРТЫ

Las llaves de impacto se utilizan para aplicar altos pares a tornillos de todo tipo con el simple accionamiento de un gatillo. De esta manera, podremos apretar y aflojar tornillos (por muy oxidados que éstos estén) que a mano nos sería imposible. Es muy importante tener en cuenta la medida de los tornillos con los que se va a trabajar porque no todos aguantaran el par máximo que estas llaves son capaces de aplicar.

Impact wrenches are used to apply high torque to nuts of all kinds. Thus, we can tighten and loosen the nuts (even very oxidized ones) that would be impossible to do by hand. It is very important to consider which nuts we will work on, because not all of them will stand the maximum torque that these wrenches are able to apply.

Les clés à choc s'utilisent pour appliquer un serrage important de tout type de boulons, en actionnant tout simplement une gâchette. De cette façon, il est possible de serrer ou de desserrer des écrous (même très oxydés) qui serait impossible manuellement. Il est imporatnt de prendre en compte le diamètre des écrous à travailler car tous ne pourront pas supporter le couple maximum que ces clés sont capables d'appliquer.

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M** CE



COD. **79610**

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	1/2"
Par de apriete / *Torque* / Paire de serrage	610 Nm
Consumo de aire / *Air consumption* / Consommation d'air	0,32 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M20 (30 mm AF)
Conexión / *Connection* / Connexion	R 1/4"f
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	10 mm
Nivel sonoro / *Sound level* / Niveau sonore	90 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,6 m/s^2
Longitud / *Length* / Longueur	160 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 c T6
Peso / *Weight* / Poids	3,6 kg

*** 12M** CE



COD. **76739** **76742**

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	
76739	3/4"
76742	1"
Par de apriete / *Torque* / Paire de serrage	1350 Nm
Consumo de aire / *Air consumption* / Consommation d'air	1,4 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M30 (46 mm AF)
Conexión / *Connection* / Connexion	R 1/4"f
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Nivel sonoro / *Sound level* / Niveau sonore	96 db
Nivel de vibración / *Vibration level* / Niveau de vibration	4,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 c T6
Peso / *Weight* / Poids	
76739	6,4 kg
76742	6,5 kg



Vasos de impacto antichispa - Cuadrado 1/2", 3/4", 1" y 1.1/2" - Ver capítulo de Antichispa.
Non-sparking impact socket wrenches - 1/2", 3/4", 1" and 1.1/2" Sq. Drive - See Non-sparking chapter.
Douilles à choc anti-deflagrant - Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Voir chapitre Anti-déflagrant.

LLAVES DE IMPACTO / *IMPACT WRENCHES* / CLÉS À CHOC / *SCHLAGSCHRAUBER* / AVVITATORI AD IMPULSI / *CHAVES DE IMPACTO* / УДАРНЫЕ ГАЙКОВЕРТЫ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M** CE



COD.
79626
79612

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	
79626	3/4"
79612	1"
Par de apriete / *Torque* / Paire de serrage	1350 Nm
Consumo de aire / *Air consumption* / Consommation d'air	1,40 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M30 (46 mm AF)
Conexión / *Connection* / Connexion	
79626	R 1/4"f
79612	R 1/2"i
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Nivel sonoro / *Sound level* / Niveau sonore	96 db
Nivel de vibración / *Vibration level* / Niveau de vibration	4,5 m/s^2
Longitud / *Length* / Longueur	
79626	220 mm
79612	230 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	
79626	5,6 kg
79612	5,7 kg

*** 12M** CE



COD.
79902
79903

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	
79902	3/4"
79903	1"
Par de apriete / *Torque* / Paire de serrage	1350 Nm
Consumo de aire / *Air consumption* / Consommation d'air	1,4 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M30 (46 mm AF)
Conexión / *Connection* / Connexion	R 1/2"f - R 1/2"f
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Nivel sonoro / *Sound level* / Niveau sonore	96 db
Nivel de vibración / *Vibration level* / Niveau de vibration	
79902	6,2 m/s^2
79903	4,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c T6
Peso / *Weight* / Poids	
79902	5,6 kg
79903	5,5 kg



Vasos de impacto antichispa - Cuadrado 1/2", 3/4", 1" y 1.1/2" - Ver capítulo de Antichispa.
Non-sparking impact socket wrenches - 1/2", 3/4", 1" and 1.1/2" Sq. Drive - See Non-sparking chapter.
Douilles à choc anti-deflagrant - Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Voir chapitre Anti-déflagrant.

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

LLAVES DE IMPACTO / *IMPACT WRENCHES* / CLÉS À CHOC / *SCHLAGSCHRAUBER* / AVVITATORI AD IMPULSI / *CHAVES DE IMPACTO* / УДАРНЫЕ ГАЙКОВЕРТЫ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M** CE



COD.
79613
76747

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	
79613	1"
76747	1.1/2"
Par de apriete / *Torque* / Paire de serrage	
79613	1800 Nm
76747	4400 Nm
Consumo de aire / *Air consumption* / Consommation d'air	
79613	1,10 m^3/min
76747	1,6 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	
79613	≤ M33 (50 mm AF)
76747	≤ M56 (85 mm AF)
Conexión / *Connection* / Connexion	
79613	Rd 32 x 1/8"a
76747	R 1/2"f - Rd 32 x 1/8"m
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	
79613	13 mm
76747	15 mm
Nivel sonoro / *Sound level* / Niveau sonore	92 db
Nivel de vibración / *Vibration level* / Niveau de vibration	
79613	3,2 m/s^2
76747	5,5 m/s^2
Longitud / *Length* / Longueur	
79613	280 mm
76747	370 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx I M2 c T6
Peso / *Weight* / Poids	
79613	9,0 kg
76747	14,9 kg



Vasos de impacto antichispa - Cuadrado 1/2", 3/4", 1" y 1.1/2" - Ver capítulo de Antichispa.
Non-sparking impact socket wrenches - 1/2", 3/4", 1" and 1.1/2" Sq. Drive - See Non-sparking chapter.
Douilles à choc anti-deflagrant - Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Voir chapitre Anti-déflagrant.

LLAVES DE IMPACTO / *IMPACT WRENCHES* / CLÉS À CHOC / *SCHLAGSCHRAUBER* / AVVITATORI AD IMPULSI / *CHAVES DE IMPACTO* / УДАРНЫЕ ГАЙКОВЕРТЫ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M**



COD.
79631

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	1.1/2"
Par de apriete / *Torque* / Paire de serrage	4400 Nm
Consumo de aire / *Air consumption* / Consommation d'air	1,6 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M56 (85 mm AF)
Conexión / *Connection* / Connexion	R 1/2"i
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	15 mm
Nivel sonoro / *Sound level* / Niveau sonore	107 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<6,6 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c T6
Peso / *Weight* / Poids	12,2 kg

EGA Master
ART IN INNOVATION



Vasos de impacto antichispa - Cuadrado 1/2", 3/4", 1" y 1.1/2" - Ver capítulo de Antichispa.
Non-sparking impact socket wrenches - 1/2", 3/4", 1" and 1.1/2" Sq. Drive - See Non-sparking chapter.
Douilles à choc anti-deflagrant - Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Voir chapitre Anti-déflagrant.

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

LLAVES DE IMPACTO / *IMPACT WRENCHES* / CLÉS À CHOC / *SCHLAGSCHRAUBER* / AVVITATORI AD IMPULSI / *CHAVES DE IMPACTO* / УДАРНЫЕ ГАЙКОВЕРТЫ

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

*** 12M** CE



COD.
79662

Zonas / *Zones*
M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	70-140 bar
Cuadrado conductor / *Square drive* / Carré conducteur	3/4"
Par máx. / *Torque max.* / Paire max.	1700 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	20-40 l/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	<= M30 (46 mm AF)
Conexión / *Connection* / Connexion	M18 x 1,5
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	12 mm
Nivel sonoro / *Sound level* / Niveau sonore	85,3
Nivel de vibración / *Vibration level* / Niveau de vibration	3,8 m/s²
Longitud / *Length* / Longueur	245
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx I M2 Ex h I Mb T5
Peso / *Weight* / Poids	9,0 kg

*** 12M** CE



COD.
79917
79918

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	70-140 bar
Cuadrado conductor / *Square drive* / Carré conducteur	
79917	3/4"
79918	1"
Par máx. / *Torque max.* / Paire max.	1700 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	20-40 l/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	<= M30 (46 mm AF)
Conexión / *Connection* / Connexion	M18 x 1,5
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	12 mm
Nivel sonoro / *Sound level* / Niveau sonore	85,3 db
Nivel de vibración / *Vibration level* / Niveau de vibration	3,8 m/s²
Longitud / *Length* / Longueur	245 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	7,3 kg



Vasos de impacto antichispa - Cuadrado 1/2", 3/4", 1" y 1.1/2" - Ver capítulo de Antichispa.
Non-sparking impact socket wrenches - 1/2", 3/4", 1" and 1.1/2" Sq. Drive - See Non-sparking chapter.
Douilles à choc anti-deflagrant - Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Voir chapitre Anti-déflagrant.

LLAVES DE IMPACTO / *IMPACT WRENCHES* / CLÉS À CHOC / *SCHLAGSCHRAUBER* / AVVITATORI AD IMPULSI / *CHAVES DE IMPACTO* / УДАРНЫЕ ГАЙКОВЕРТЫ

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

*** 12M**



COD.
79919

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Cuadrado conductor / *Square drive* / Carré conducteur	1"
Par / *Torque* / Paire	2500 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	25-45 l/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M36 (55 mm AF)
Conexión / *Connection* / Connexion	1/2"FF
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	12 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	10,7 kg



Vasos de impacto antichispa - Cuadrado 1/2", 3/4", 1" y 1.1/2" - Ver capítulo de Antichispa.
Non-sparking impact socket wrenches - 1/2", 3/4", 1" and 1.1/2" Sq. Drive - See Non-sparking chapter.
Douilles à choc anti-deflagrant - Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Voir chapitre Anti-déflagrant.

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

LLAVE DINAMOMÉTRICA / *TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE / *DREHMOMENT-SCHRAUBENSCHLÜSSEL* / CHIAVE DINAMOMETRICA / *CHAVE DINAMOMÉTRICA* / ДИНАМОМЕТРИЧЕСКИЕ КЛЮЧИ

Las llaves dinamométricas ATEX de **EGA Master** también llamadas llaves de torsión, son herramientas que se utilizan para ajustar el par de apriete de elementos roscados. Disponen de un mecanismo, que hace que una vez alcanzado el par deseado, la llave no trasmita más par al elemento que estamos apretando.

*The **EGA Master** ATEX torque wrenches are used to adjust the torque of threaded elements. They have a mechanism which avoids transferring extra torque after reaching the desired torque value.*

Les clés dynanométriques ATEX d'**EGA Master**, également appelées clés de torsion, sont des outils qui s'utilisent pour ajuster le couple de serrage d'éléments filetés. Elles sont dotées d'un systéme automatique de désenclenchement de serrage une fois atteint le couple sélectionné.

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M** CE



COD. **79607**

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	4/6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	1"
Precisión / *Accuracy* / Précision	±5-10%
Par de apriete / *Torque* / Paire de serrage	4 bar: 650 Nm / 6 bar: 750 Nm
Consumo de aire / *Air consumption* / Consommation d'air	4 bar: 0,55 m^3/min / 6 bar: 0,75 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M30 (46 mm AF)
Reversible / *Reversible* / Réversible	●
Conexión / *Connection* / Connexion	Rd 32 x 1/8"
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	10 mm
Nivel sonoro / *Sound level* / Niveau sonore	86,4 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx I M2 c T6
Peso / *Weight* / Poids	7,8 kg

*** 12M** CE



COD. **79608**

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	4/6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	1"
Precisión / *Accuracy* / Précision	±5-10%
Par de apriete / *Torque* / Paire de serrage	4 bar: 1500 Nm / 6 bar: 1800 Nm
Consumo de aire / *Air consumption* / Consommation d'air	4 bar: 0,55 m^3/min / 6 bar: 0,65 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M30 (46 mm AF)
Reversible / *Reversible* / Réversible	●
Conexión / *Connection* / Connexion	Rd 32 x 1/8"
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	10 mm
Nivel sonoro / *Sound level* / Niveau sonore	86,4 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx I M2 c T6
Peso / *Weight* / Poids	8,6 kg



Vasos de impacto antichispa - Cuadrado 1/2", 3/4", 1" y 1.1/2" - Ver capítulo de Antichispa.
Non-sparking impact socket wrenches - 1/2", 3/4", 1" and 1.1/2" Sq. Drive - See Non-sparking chapter.
Douilles à choc anti-deflagrant - Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Voir chapitre Anti-déflagrant.

LLAVE DINAMOMÉTRICA / *TORQUE WRENCH* / CLÉ DYNAMOMÉTRIQUE / *DREHMOMENT-SCHRAUBENSCHLÜSSEL* / CHIAVE DINAMOMETRICA / *CHAVE DINAMOMÉTRICA* / ДИНАМОМЕТРИЧЕСКИЕ КЛЮЧИ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M** CE



COD.
79609

Zonas / *Zones*
M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	4/6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	1.1/2"
Precisión / *Accuracy* / Précision	±5-10%
Par de apriete / *Torque* / Paire de serrage	4 bar: 2800 Nm / 6 bar: 3600 Nm
Consumo de aire / *Air consumption* / Consommation d'air	4 bar: 1,30 m^3/min / 6 bar: 1,70 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M48 (75 mm AF)
Reversible / *Reversible* / Réversible	●
Conexión / *Connection* / Connexion	Rd 32 x 1/8"
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	10 mm
Nivel sonoro / *Sound level* / Niveau sonore	93 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 c T6
Peso / *Weight* / Poids	14,9 kg

EGA Master
ART IN INNOVATION



Vasos de impacto antichispa - Cuadrado 1/2", 3/4", 1" y 1.1/2" - Ver capítulo de Antichispa.
Non-sparking impact socket wrenches - 1/2", 3/4", 1" and 1.1/2" Sq. Drive - See Non-sparking chapter.
Douilles à choc anti-deflagrant - Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Voir chapitre Anti-déflagrant.

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

SIERRAS / *SAWS* / SCIES / *SÄGEN* / SEGHETTO / *SERRAS* / ПИЛЫ

Las sierras de cinta o de banda de **EGA Master**, tiene una hoja metálica dentada, larga, estrecha y flexible que se desplaza sobre dos ruedas que se encuentran en el mismo plano vertical. Sus aplicaciones son muy variadas: construcción, corte de tuberías, refinerias... y son capaces de cortar: plástico, madera, acero, INOX...

Las sierras portátiles son herramientas necesarias para poder realizar todo tipo de cortes; cortes cruzados, rectos, cortes curvos, cortes en pico, biselados, etc…

__EGA Master__ band saw has a long, narrow and flexible toothed metal saw blade that moves on two wheels which are in the sam vertical plane. Its applications are varied: construction, pipe cutting, refineries... Besides, they are capable of cutting: plastic, wood, steel, stainless steel...

Portable saws are necessary to perform all type of cutting, cross, straight, curved, cuts in peak, beveled, etc...

Les scies à ruban ou à bande d'**EGA Master**, a une bande métalique dentée, étroite et flexible qui se déplace sur deux roues se trouvant au même niveau verticalement. Ses applications sont diverses: construction, coupure de tuyauterie et raffinerie... et sont capables de couper du plastique, du bois, de l'acier, de l'INOX...

Les scies portables sont des outils nécessaires afin de réaliser tous types de coupures : croisées, droites, courbées, en pic, biseautées, etc…

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

SIERRA DE BANDA / *BAND SAW* / SCIE À RUBAN / *BANDSÄGE* / SEGA DI NASTRO / *SERRA DE FITA* / ЛЕНТОЧНАЯ ПИЛА

*** 12M** CE



COD.
79616
79469

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	
79616	6 bar
79469	4-6 bar
Capacidad de corte / *Cutting capacity* / Capacité de coupe	
79616	Ø 180 mm / A x B = 180 x 180 mm / A x B = 7 x 7"
79469	Ø 180 mm / A x B = 180 x 240 mm / A x B = 7 x 9"
Potencia / *Power* / Puissance	1 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,2 m^3/min
Conexión / *Connection* / Connexion	R 1/2"i
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Nivel sonoro / *Sound level* / Niveau sonore	
79616	81,7 db
79469	87,0 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Material de la carcasa / *Casing material* / Matiére de la coque	Inox / *Inox* / Inox
L x W x H	
79616	730 x 285 x 290 mm
79469	790 x 285 x 290 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 Ex h I Mb T6
Peso / *Weight* / Poids	
79616	13 kg
79469	16 kg

SIERRAS / *SAWS* / SCIES / *SÄGEN* / SEGHETTO / *SERRAS* / ПИЛЫ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

SIERRA DE BANDA / *BAND SAW* / SCIE À RUBAN / *BANDSÄGE* / SEGA DI NASTRO / *SERRA DE FITA* / ЛЕНТОЧНАЯ ПИЛА

*** 12M** CE



COD. **79658**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accesories not included* / Accesoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Capacidad de corte / *Cutting capacity* / Capacité de coupe	ø80 mm /A x B = 80 x 100 mm / A x B = 3" x 4"
Potencia / *Power* / Puissance	0,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	0,5 m^3/min
Conexión / *Connection* / Connexion	R 1/4"
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	7 mm
Nivel sonoro / *Sound level* / Niveau sonore	87,0 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Material de la carcasa / *Casing material* / Matiére de la coque	Aluminio / *Aluminum* / Aluminium
L x W x H	640 x 390 x 315 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	19 kg

SIERRAS PORTÁTILES / *RECIPROCATING SAWS* / SCIES PORTABLES / *STICHSÄGE* / SEGHETTI PORTATILI / *SERRAS PORTÁTEIS* / ПИЛЫ ВОЗВРАТНО-ПОСТУПАТЕЛЬНОГО ДЕЙСТВИЯ

*** 12M** CE



COD. **79617**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Tipo de válvula / *Valve type* / Type de valve	Twist2
N.º de golpes / *Number of strokes* / Nro. de coups	330 (1/min)
Potencia / *Power* / Puissance	1,1 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,45 m^3/min
Carrera / *Stroke* / Parcours	60 mm
Conexión / *Connection* / Connexion	R 3/4"a
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Nivel sonoro / *Sound level* / Niveau sonore	84 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Material de la carcasa / *Casing material* / Matiére de la coque	Aluminio / *Aluminum* / Aluminium
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	7,5 kg

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

SIERRAS / *SAWS* / SCIES / *SÄGEN* / SEGHETTO / *SERRAS* / ПИЛЫ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

SIERRAS PORTÁTILES / *RECIPROCATING SAWS* / SCIES PORTABLES / *STICHSÄGE* / SEGHETTI PORTATILI / *SERRAS PORTÁTEIS* / ПИЛЫ ВОЗВРАТНО-ПОСТУПАТЕЛЬНОГО ДЕЙСТВИЯ

*** 12M** CE



COD. **79618**

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Tipo de válvula / *Valve type* / Type de valve	Twist2
N.º de golpes / *Number of strokes* / Nro. de coups	330 (1/min)
Potencia / *Power* / Puissance	1,1 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,45 m^3/min
Carrera / *Stroke* / Parcours	60 mm
Conexión / *Connection* / Connexion	R 3/4"a
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Nivel sonoro / *Sound level* / Niveau sonore	84 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Material de la carcasa / *Casing material* / Matiére de la coque	Zamak
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 Ex h I Mb T5
Peso / *Weight* / Poids	7,5 kg

SIERRA DE SABLE / *SABLE SAW* / SCIE SABRE / *SÄBELSÄGE* / SEGHETTO ALTERNATIVO / *SERRA DE SABRE* / САБЕЛЬНАЯ ПИЛА

*** 12M** CE



COD. **79666**

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Carrera / *Stroke* / Parcours	28 mm
N.º de golpes / *Number of strokes* / Nro. de coups	1200 rpm
Potencia / *Power* / Puissance	1KW
Consumo de aire / *Air consumption* / Consommation d'air	1,3 m^3/min
Capacidad de corte / *Cutting capacity* / Capacité de coupe	Madera: 160 mm - Acero: 19 mm *Wood: 160 mm - Steel: 19 mm* Bois: 160 mm - Acier: 19 mm
Nivel sonoro / *Sound level* / Niveau sonore	81-92 db
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	4,0 kg

SIERRAS / *SAWS* / SCIES / *SÄGEN* / SEGHETTO / *SERRAS* / ПИЛЫ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

SIERRA DE SABLE / *SABLE SAW* / SCIE SABRE / *SÄBELSÄGE* / SEGHETTO ALTERNATIVO / *SERRA DE SABRE* / САБЕЛЬНАЯ ПИЛА

*** 12M** CE



COD. 79816

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Carrera / *Stroke* / Parcours	28 mm
N.º de golpes / *Number of strokes* / Nro. de coups	1200 rpm
Potencia / *Power* / Puissance	1 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,3 m^3/min
Capacidad de corte / *Cutting capacity* / Capacité de coupe	Madera: 160 mm - Acero: 19 mm *Wood: 160 mm - Steel: 19 mm* Bois: 160 mm - Acier: 19 mm
Nivel sonoro / *Sound level* / Niveau sonore	81-92 db
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 Ex h I Mb T5
Peso / *Weight* / Poids	7,0 kg

SIERRA CIRCULAR / *CIRCULAR SAW* / SCIE CIRCULAIRE / *KREISSÄGE* / SEGHETTO CIRCOLARE / *SERRA CIRCULAR* / ЦИРКУЛЯРНАЯ ПИЛА

*** 12M** CE



COD. 79836

Zonas / *Zones*

2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Capacidad / *Capacity* / Capacité	120 mm
Disco / *Disk* / Disque	≤ 320 mm
Potencia / *Power* / Puissance	1,8 kW
Consumo de aire / *Air consumption* / Consommation d'air	2 m^3/min
Conexión / *Connection* / Connexion	R 1/2"
Nivel sonoro / *Sound level* / Niveau sonore	95 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 3G Ex h IIB T5 Gc
Peso / *Weight* / Poids	11 kg

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

SIERRAS / *SAWS* / SCIES / *SÄGEN* / SEGHETTO / *SERRAS* / ПИЛЫ

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

SIERRA CIRCULAR / *CIRCULAR SAW* / SCIE CIRCULAIRE / *KREISSÄGE* / SEGHETTO CIRCOLARE / *SERRA CIRCULAR* / ЦИРКУЛЯРНАЯ ПИЛА

*** 12M** CE



COD. **79989**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Capacidad / *Capacity* / Capacité	65 mm (90º) - 40 mm (45º)
Accesorios incluidos / *Accessories Included* / Accessoires inclus	Disco A0485 *Disk A0485* Disque A0485
Disco / *Disk* / Disque	≤ 190 mm
Potencia / *Power* / Puissance	1,3 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,5 m^3/min
Conexión / *Connection* / Connexion	R 1/2"
Nivel sonoro / *Sound level* / Niveau sonore	95,4 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gc
Peso / *Weight* / Poids	6,5 kg

*** 12M** CE



COD. **79199**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Capacidad / *Capacity* / Capacité	84 mm (90º) - 56 mm (45º)
Disco / *Disk* / Disque	≤230 mm
Potencia / *Power* / Puissance	1,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	2 m^3/min
Conexión / *Connection* / Connexion	R 1/2"
Nivel sonoro / *Sound level* / Niveau sonore	103,3 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gc
Peso / *Weight* / Poids	8,6 kg

SIERRAS / *SAWS* / SCIES / *SÄGEN* / SEGHETTO / *SERRAS* / ПИЛЫ

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

SIERRAS PORTÁTILES / *PORTABLE SAWS* / SCIES PORTABLES / *STICHSÄGE* / SEGHETTI PORTATILI / *SERRAS PORTÁTEIS* / ПИЛЫ ВОЗВРАТНО-ПОСТУПАТЕЛЬНОГО ДЕЙСТВИЯ

*** 12M** CE



COD. 79913

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Tipo de válvula / *Valve type* / Type de valve	Twist
Carrera / *Stroke* / Parcours	60 mm
N.º de golpes / *Number of strokes* / Nro. de coups	500 rpm
Potencia / *Power* / Puissance	2,8 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	10-50 l/min
Conexión / *Connection* / Connexion	12S
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	12 mm
Nivel sonoro / *Sound level* / Niveau sonore	86 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s²
Material de la carcasa / *Casing material* / Matiére de la coque	Aluminio / *Aluminum* / Aluminium
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	6,1 kg

SIERRA DE SABLE / *SABLE SAW* / SCIE SABRE / *SÄBELSÄGE* / SEGHETTO ALTERNATIVO / *SERRA DE SABRE* / САБЕЛЬНАЯ ПИЛА

*** 12M** CE



COD. 79914

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Tipo de válvula / *Valve type* / Type de valve	Trigger
Carrera / *Stroke* / Parcours	28 mm
N.º de golpes / *Number of strokes* / Nro. de coups	1500 rpm
Potencia / *Power* / Puissance	1,5 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	22-50 l/min
Conexión / *Connection* / Connexion	1/2"FF
Nivel sonoro / *Sound level* / Niveau sonore	89,4 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s²
Capacidad de corte / *Cutting capacity* / Capacité de coupe	Madera: 160 mm - Acero: 19 mm *Wood: 160 mm - Steel: 19 mm* Bois: 160 mm - Acier: 19 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	6,0 kg

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

SIERRAS / *SAWS* / SCIES / *SÄGEN* / SEGHETTO / *SERRAS* / ПИЛЫ

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

SIERRA DE CADENA / *CHAIN SAW* / SCIE À CHAÎNE / *KETTENSÄGE* / SEGHETTO A CATENA / *SERRA DE CORRENTE* / ЦЕПНАЯ ПИЛА

*** 12M** CE



COD. **79980**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140-200 bar
Potencia / *Power* / Puissance	7,7 kW
RPM	5000 rpm
Caudal hidráulico / *Oil flow* / Flux d'huile	40-50 l/min
Nivel sonoro / *Sound level* / Niveau sonore	85 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<3,6 m/s²
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c IIB T5
Peso / *Weight* / Poids	10,5 kg

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ



COD.	Descripción / *Description* / Description
74752	Sable porta cadena 27cm / *Chainbar 27cm* / Porte chaîne sable 27cm
79981	Sable porta cadena 43cm / *Chainbar 43cm* / Porte chaîne sable 43cm
79983	Sable porta cadena 63cm / *Chainbar 63cm* / Porte chaîne sable 63cm
74755	Sable porta cadena 73cm / *Chainbar 73cm* / Porte chaîne sable 73cm
74770	Sable porta cadena 103cm / *Chainbar 103cm* / Porte chaîne sable 103cm



COD.	Descripción / *Description* / Description
79982	Cadena con punta de diamante 43cm / *Diamont tipped chain 43cm* / Chaîne avec pointe de diamant 43cm
74405	Cadena con punta de diamante 43cm Universal / *Diamont tipped chain 43cm Universal* / Chaîne avec pointe de diamant 43cm Universelle
74624	Cadena con punta de diamante 43cm Alta duración / *Diamont tipped chain 43cm High duration* / Chaîne avec pointe de diamant 43cm Haute durabilité



COD.	Descripción / *Description* / Description
74785	Guarda de sable para 43cm / *Guard of chainbar 43cm* / Étui pour sable de 43cm
79984	Guarda de sable para 63/73cm / *Guard of chainbar 63/73cm* / Étui pour sable de 63/73cm



COD.	Descripción / *Description* / Description
74372	Cadena con punta de carburo 27cm / *Carbide-tipped chain 27cm* / Chaîne avec pointe de carbure 27cm
74375	Cadena con punta de carburo 43cm / *Carbide-tipped chain 43cm* / Chaîne avec pointe de carbure 43cm
79985	Cadena con punta de carburo 63cm / *Carbide-tipped chain 63cm* / Chaîne avec pointe de carbure 63cm
74393	Cadena con punta de carburo 73cm / *Carbide-tipped chain 73cm* / Chaîne avec pointe de carbure 73cm
74996	Cadena con punta de carburo 103cm / *Carbide-tipped chain 103cm* / Chaîne avec pointe de carbure 103cm



COD.	Descripción / *Description* / Description
74354	Cadena para sable 27cm / *Chain 27cm* / Chaîne pour sable 27cm
74359	Cadena para sable 43cm / *Chain 43cm* / Chaîne pour sable 43cm
79986	Cadena para sable 63cm / *Chain 63cm* / Chaîne pour sable 63cm
74362	Cadena para sable 73cm / *Chain 73cm* / Chaîne pour sable 73cm
74369	Cadena para sable 103cm / *Chain 103cm* / Chaîne pour sable 103cm

SIERRAS / *SAWS* / SCIES / *SÄGEN* / SEGHETTO / *SERRAS* / ПИЛЫ

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

SIERRA CIRCULAR / *CIRCULAR SAW* / SCIE CIRCULAIRE / *KREISSÄGE* / SEGHETTO CIRCOLARE / *SERRA CIRCULAR* / ЦИРКУЛЯРНАЯ ПИЛА

*** 12M** CE



COD.
76717

Zonas / *Zones*
2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140-180 bar
RPM	1800
Capacidad / *Capacity* / Capacité	120 mm
Disco / *Disk* / Disque	≤320 mm
Potencia / *Power* / Puissance	2,3 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	20-23 l/min
Nivel sonoro / *Sound level* / Niveau sonore	85 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s²
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 3G Ex h IIB T5 Gc
Peso / *Weight* / Poids	12,2 kg

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

CORTATUBOS BISELADOR / *CUTTING AND BEVELLING MACHINE* / COUPE-TUBES CHANFREINEUR / *ANFAS-MASCHINE* / TAGLIATUBI SMUSSATORE / *CORTA-TUBOS BISELADOR* / РЕЗАК-ФАСКОСНИМАТЕЛЬ

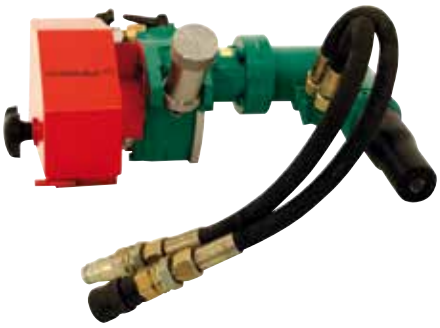
El cortatubos biselador MasterEX 79760, es una potente máquina hidráulica ideal para cortar y achaflanar tubos de los más diversos materiales como acero, fundición dúctil, hormigón plástico (OE, PVC, GRP)…
Especialmente diseñado para trabajos en zonas con ambiente explosivo.

The MasterEX 79760 is a powerful hydraulic pipe cutting machine ideal for cutting and bevelling of most different materials, as steel, ductile iron, concrete, cement, clay, plastics (PE, PVC, GRP)…
Machine especially designed for safety works in explosive areas.

Le coupe-tube biseauté MasterEX 79760 est une puissante machine hydraulique idéale pour couper et chanfreiner des tubes des matériaux les plus divers tels que l'acier, la fonte ductile, le béton plastique (OE, PVC, GRP) ...
Spécialement conçu pour des travaux dans des zones à atmosphère explosive.

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

*** 12M** CE



COD.
79760

Ex

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	90-140 bar
Accesorios incluidos / *Accessories Included* / Accessoires inclus	Mango (79763) / *Handle (79763)* / Manche (79763)
Para cortar y biselar / *To cut and bevel* / Pour couper et biseauter	"Acero, INOX, Fundición dúctil, Metal no férrico, Hormigón, Cemento, Arcilla, Plástico, PE, PVC, GFK" *"Steel, INOX, Ductile iron, Non-Ferrous metal, Concrete, Cement, Clay, Plastics, PE, PVC, GFK"* "Acier, INOX, fonte ductile, métal non ferrique,béton, ciment, argile, plastique, PE, PVC, GFK"
Potencia / *Power* / Puissance	2 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	15-50 L/min
Conexión / *Connection* / Connexion	Flat face 1/2" BSP / *Flat face 1/2" BSP* / Flat star 1/2"
Velocidad de rotación / *Rotation speed* Vitesse de rotation	Etapa1: 950 rpm / Etapa2: 200 rpm *1st Stage: 950 rpm / 2nd Stage: 200 rpm* 1ère étape: 950 rpm / 2ème étape: 200 rpm
Nivel sonoro / *Sound level* / Niveau sonore	98,0 dB
Nivel de vibración / *Vibration level* / Niveau de vibration	< 2,5 m/s²
Altura / *Overall length* / Longueur	250 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	13 kg

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

CARROS-GUÍA / *GUIDE-CARRIAGE* / CHARIOTS DE GUIDAGE / *FÜHRUNGSWAGEN* / CARRELLI GUIDA / *CARROS-GUÍA* / НАПРАВЛЯЮЩИЕ КАРЕТКИ

COD.	Descripción / *Description* / Description
79761	Carro guía pequeño / *Guide carriage small* / Chariot petit guidage
79762	Carro guía grande / *Guide carriage large* / Chariot grand guidage
79763	Mango / *Feeding pipe* / Manche

CADENA DE GUIADO / *GUIDE CHAIN* / CHAÎNES DE GUIDAGE / *FÜHRUNGSKETTE* / CATENE DI GUIDA / *CORRENTES DE GUÍA* / ГИДРАВЛИЧЕСКИЙ

COD.	Descripción / *Description* / Description
79764	Cadena de guiado con 24 eslabones y tensionador / *24 Guide chain links and tensioner* / Chaîne de guidage à 24 maillons et tenseurs
79765	Cadena de guiado con 35 eslabones y tensionador / *35 Guide chain links and tensioner* / Chaîne de guidage à 35 maillons et tenseurs
79766	Cadena de guiado con 46 eslabones y tensionador / *46 Guide chain links and tensioner* / Chaîne de guidage à 46 maillons et tenseurs
79767	Cadena de guiado con 57 eslabones y tensionador / *57 Guide chain links and tensioner* / Chaîne de guidage à 57 maillons et tenseurs
79768	Cadena de guiado con 68 eslabones y tensionador / *68 Guide chain links and tensioner* / Chaîne de guidage à 68 maillons et tenseurs
79769	Cadena de guiado con 79 eslabones y tensionador / *79 Guide chain links and tensioner* / Chaîne de guidage à 79 maillons et tenseurs
79770	Cadena de guiado con 90 eslabones y tensionador / *90 Guide chain links and tensioner* / Chaîne de guidage à 90 maillons et tenseurs
79772	Eslabón 57 mm / *Chain link 57 mm* / Maillon 57 mm

CADENA DE FIJACION / *TENSIONING CHAIN* / CHAÎNE DE FIXATION / *SPANNKETTE* / CATENA DI FISSAZIONE / *CORRENT DE FIXAÇÃO* / КРЕПЁЖНАЯ ЦЕПЬ

COD.	Descripción / *Description* / Description
79773	Tensionador pequeño / *Tensioner small* / Tenseur petit
79774	Tensionador grande / *Tensioner large* / Tenseur grand
79775	Cadena de fijación / *Tensioning chain* / Chaîne de fixation

CONSUMIBLES DE CORTE / *CUTTING SUPPLIES* / CONSOMMABLES DE COUPE / *SCHNEIDWAREN* / CONSUMABILI DI TAGLIO / *CONSUMÍVEIS DE CORTE* / РАСХОДНЫЕ МАТЕРИАЛЫ ДЛЯ РЕЗКИ

COD.	Descripción / *Description* / Description	MAT.	O.D. mm
79776	Disco con dientes de carburo / *Carbide-tipped blade* / Disque avec dents en carbure	Carburo / *Carbide* / Carbure	180
79777	Disco de diamante / *Diamond-tipped blade* / Disque de diamant	Diamante / *Diamond* / Diamant	
79778	Disco biselador 45º / *Bevelling cutter 45º* / Disque biseau 45º	HSS	100
79779	Disco biselador 60º / *Bevelling cutter 60º* / Disque biseau 60º		
79780	Disco biselador 90º / *Bevelling cutter 90º* / Disque biseau 90º		

EGA Master
ART IN INNOVATION

* **12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

MEZCLADORA / *MIXER* / MÉLANGEUR / *MIXER* / MISCELATORE / *MISTURADORA* / МИКСЕР

La mezcladora para trabajos pesados de **EGA Master** es muy fácil de utilizar, gracias a su velocidad y eficacia se obtienen buenas mezclas, incluso con los materiales más exigentes.

EGA Master heavy-duty mixer is very easy to use, and thanks to its high speed and effectiveness it obtains good mixing, even with the most demanding materials.

Le mélangeur destinés aux travaux lourds d'**EGA Master** est très facile à utiliser, grâce à sa vitesse et son efficacité s'obtiennent de bons mélanges, y compris avec les matériaux les plus exigeants.

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

*** 12M** CE



COD.
79619

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Máx. Ø de la herramienta / *Max. Ø of the tool* / Ø max. de l'outil	140 mm
Capacidad de mezclado / *Mixing capacity* / Capacité de mélange	50 kg
Velocidad / *Speed* / Vitesse	0-440 rpm
Potencia / *Power* / Puissance	1,1 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,4 m^3/min
Conexión / *Connection* / Connexion	R 3/8"male
Nivel sonoro / *Sound level* / Niveau sonore	79 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex I M2 c T6
Peso / *Weight* / Poids	8,7 kg

VENTILADOR / *FAN* / VENTILATEUR / *VENTILATOREN* / VENTILATORE / *VENTILADOR* / ВЕНТИЛЯТОР

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

En los ventiladores axiales o helicoidales de **EGA Master** el aire circula en la misma dirección que su eje. Son capaces de mover grandes cantidades de aire por lo que son muy adecuados para la ventilación y la extracción de humos y gases.

EGA Master axial or helical fans circulate the air in the same direction of its axis. These fans are capable of moving large quantities of air thus they are very suitable for ventilation and smoke and gas extraction.

Dans les ventilateurs axiaux ou hélicoidaux d'**EGA Master**, l'air circule dans la même direction que son axe. Ils sont capables de déplacer une grande quantité d'air, ce qui justifie leurs aptitudes pour la ventilation et l'extraction de fumées et gaz.

AXIAL / *AXIAL* / AXIAL / *AXIAL* / ASSIALE / *AXIAL* / АКСИАЛЬНЫЙ

*** 12M** CE



COD.
79620

Ex

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	5 bar
Ø nominal / *nominal Ø* / Ø nominal	300
RPM	2300 +/- 5 %
Consumo de aire / *Air consumption* / Consommation d'air	0,45 m^3/ min
Nivel sonoro / *Sound level* / Niveau sonore	85,7 db(A)
Caudal de ventilación / *Output air flow* / Débit de ventilation	0,57 m^3/s
Longitud / *Length* / Longueur	350
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c IIB T6
Peso / *Weight* / Poids	13 kg

EGA Master
ART IN INNOVATION

*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / **12 MOIS DE GARANTIE** / *12 MONATEN GARANTIE* / **12 MAANDEN GARANTIE** / *12 MESI DI GARANZIA* / **12 МЕСЯЦЕВ ГАРАНТИЯ**

VENTILADOR / *FAN* / VENTILATEUR / *VENTILATOREN* / VENTILATORE / *VENTILADOR* / ВЕНТИЛЯТОР

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

AXIAL / *AXIAL* / AXIAL / *AXIAL* / ASSIALE / *AXIAL* / АКСИАЛЬНЫЙ

*** 12M** CE



COD.
79000
79621
79622

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Máxima presión de trabajo / *Maximum operating pressure* / Pression max de travail	4 bar
Ø nominal / *nominal Ø* / Ø nominal	
79000	400
79621	500
79622	600
Consumo de aire / *Air consumption* / Consommation d'air	
79000	2,03 m^3/ min
79621	2,73 m^3/min
79622	3,84 m^3/min
Conexión / *Connection* / Connexion	Acoplamiento de garras hembra 3/4" *Claw coupling female 3/4"* Raccord à griffe femelle 3/4"
Nivel sonoro / *Sound level* / Niveau sonore	
79000	92 db
79621	105 db
79622	99 db
Caudal de ventilación / *Output air flow* / Débit de ventilation	
79000	3,15 m^3/s
79621	4,33 m^3/s
79622	5,83 m^3/s
Longitud / *Length* / Longueur	
79000	440
79621	520
79622	520
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G c IIB T6
Peso / *Weight* / Poids	
79000	32 kg
79621	46 kg
79622	58 kg

VENTILADOR / *FAN* / VENTILATEUR / *VENTILATOREN* / VENTILATORE / *VENTILADOR* / ВЕНТИЛЯТОР

ELÉCTRICO / *ELECTRIC* / ÉLECTRIQUE / *ELEKTRISCH* / ELETTRICA / *ELÉTRICO* / ЭЛЕКТРИЧЕСКИЙ

AXIAL / *AXIAL* / AXIAL / *AXIAL* / ASSIALE / *AXIAL* / АКСИАЛЬНЫЙ

*** 12M** CE



COD. **79624**

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com	
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Eléctrico / *Electric* / Électrique
Ø nominal / *nominal Ø* / Ø nominal	300
Velocidad nominal / *Nominal speed* / Vitesse nominal	2870 rpm
Voltaje / *Voltage* / Voltage	230 V
Consumo / *Consumption* / Consommation	2,3 A
Frecuencia / *Frequency* / Fréquence	50 Hz
Potencia de salida / *Output power* / Puissance de sortie	0,37 kW
Nivel sonoro / *Sound level* / Niveau sonore	85 db
Caudal de ventilación / *Output air flow* / Débit de ventilation	1 m^3/s
Clase de protección / *Protection class* / Classe de protection	IP55
Longitud / *Length* / Longueur	390
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c IIB T3
Peso / *Weight* / Poids	20,5 kg

*** 12M** CE



COD. **79237**

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Eléctrico / *Electric* / Électrique
Ø nominal / *nominal Ø* / Ø nominal	300
Velocidad nominal / *Nominal speed* / Vitesse nominal	2840 rpm
Voltaje / *Voltage* / Voltage	230/400 V
Consumo / *Consumption* / Consommation	1,6/0,92 A
Frecuencia / *Frequency* / Fréquence	50 Hz
Potencia de salida / *Output power* / Puissance de sortie	0,35 kW
Caudal de ventilación / *Output air flow* / Débit de ventilation	1 m^3/s
Clase de protección / *Protection class* / Classe de protection	IP55
Nivel sonoro / *Sound level* / Niveau sonore	86 db
Longitud / *Length* / Longueur	390
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c IIB T3
Peso / *Weight* / Poids	20,0 kg

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ZUBEHÖR* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour	I.D. mm
79710	Pieza de conexión anti-estática *Antistatic connecting piece* Pièce de connexion antistatique	79620, 79624, 79237	300
76149		79000	400
76289		79621	500
76460		79622	600



COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour	I.D. mm
79711	Acoplamiento rápido anti-estático *Antistatic quick-seal coupling* Raccord rapide antistatique	79620, 79624, 79237	300
76473		79000	400
76704		79621	500
76706		79622	600



COD.	Descripción / *Description* / Description	Válido para / *Valid for* / Valable pour	I.D. mm
79712	Manguera de plástico 5M, anti-estática *Plastic ducting 5M long, antistatic* Conduit en plastique 5M de long, antistatique	79620, 79624, 79237	300
76708		79000	400
76710		79621	500
76750		79622	600



VENTILADOR / *FAN* / VENTILATEUR / *VENTILATOREN* / VENTILATORE / *VENTILADOR* / ВЕНТИЛЯТОР

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

VENTURI

*** 12M** CE



COD.
72984
72985
72986
72987
72988
72989

Zonas / *Zones*

1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES		
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus		
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com		
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Tipo / *Type* / Type		Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail		2-6 bar
Ø nominal / *nominal Ø* / Ø nominal		
	72984	100
	72985	125
	72986	150
	72987	180
	72988	200
	72989	250
Caudal de ventilación / *Output air flow* / Débit de ventilation		
	72984	14,9 (4 bar) / 17,7 (5 bar) / 20,5 (6 bar) m^3/min
	72985	19,6 (4 bar) / 23,3 (5 bar) / 26,2 (6 bar) m^3/min
	72986	36,3 (4 bar) / 42,7 (5 bar) / 49,8 (6 bar) m^3/min
	72987	53,6 (4 bar) / 62,0 (5 bar) / 67,5 (6 bar) m^3/min
	72988	54,3 (4 bar) / 65,3 (5 bar) / 78,3 (6 bar) m^3/min
	72989	67,2 (4 bar) / 78,9 (5 bar) / 88,7 (6 bar) m^3/min
Consumo de aire / *Air consumption* / Consommation d'air		
	72984	1,6-2,3 m^3/min
	72985	1,7-2,4 m^3/min
	72986	2,8-4,4 m^3/min
	72987	2,9-4,5 m^3/min
	72988	6,3-9,7 m^3/min
	72989	6,4-9,5 m^3/min
Conexión / *Connection* / Connexion		
	72984	G 3/8" f
	72985	G 3/8" f
	72986	G 1/2" f
	72987	G 1/2" f
	72988	G 3/4" f
	72989	G 3/4" f
Nivel sonoro / *Sound level* / Niveau sonore		
	72984	100,8 db
	72985	101,1 db
	72986	103,8 db
	72987	104,4 db
	72988	115,8 db
	72989	116,3 db
Nivel de vibración / *Vibration level* / Niveau de vibration		<2,5 m/s^2
Longitud / *Length* / Longueur		
	72984	410
	72985	425
	72986	435
	72987	450
	72988	450
	72989	450
Designación ATEX / *ATEX marking* / Marquage ATEX		Ex II 2G c T6
Peso / *Weight* / Poids		
	72984	3,3 kg
	72985	3,9 kg
	72986	5,2 kg
	72987	5,3 kg
	72988	6,8 kg
	72989	8,0 kg

*** 12M:** GARANTÍA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

VENTILADOR / *FAN* / VENTILATEUR / *VENTILATOREN* / VENTILATORE / *VENTILADOR* / ВЕНТИЛЯТОР

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

VENTURI

*** 12M** CE



COD.
72994
72995
72996
72997
72998
72999

Zonas / *Zones*

M2 MINERÍA / *MINING* / MINIÈRE

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES		
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus		
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com		
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES		
Tipo / *Type* / Type		Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail		2-6 bar
Ø nominal / *nominal Ø* / Ø nominal		
	72994	101,6
	72995	129,0
	72996	154,0
	72997	168,3
	72998	204,0
	72999	219,1
Caudal de ventilación / *Output air flow* / Débit de ventilation		
	72994	14,9 (4 bar) / 17,7 (5 bar) / 20,5 (6 bar) m^3/min
	72995	17,4 (4 bar) / 20,4 (5 bar) / 25,8 (6 bar) m^3/min
	72996	36,3 (4 bar) / 42,7 (5 bar) / 49,8 (6 bar) m^3/min
	72997	53,6 (4 bar) / 62,0 (5 bar) / 67,5 (6 bar) m^3/min
	72998	54,3 (4 bar) / 65,3 (5 bar) / 78,3 (6 bar) m^3/min
	72999	67,2 (4 bar) / 78,9 (5 bar) / 88,7 (6 bar) m^3/min
Consumo de aire / *Air consumption* / Consommation d'air		
	72994	1,6-2,3 m^3/min
	72995	1,7-2,4 m^3/min
	72996	2,8-4,4 m^3/min
	72997	2,9-4,5 m^3/min
	72998	6,3-9,7 m^3/min
	72999	6,4-9,5 m^3/min
Conexión / *Connection* / Connexion		
	72994	G 1/2" f
	72995	G 1/2" f
	72996	G 1/2" f
	72997	G 1/2" f
	72998	G 3/4" f
	72999	G 3/4" f
Nivel sonoro / *Sound level* / Niveau sonore		
	72994	100,8 db
	72995	101,1 db
	72996	103,8 db
	72997	104,4 db
	72998	115,8 db
	72999	116,3 db
Nivel de vibración / *Vibration level* / Niveau de vibration		<2,5 m/s^2
Longitud / *Length* / Longueur		
	72994	410
	72995	425
	72996	435
	72997	450
	72998	450
	72999	450
Designación ATEX / *ATEX marking* / Marquage ATEX		Ex I M2 c T6
Peso / *Weight* / Poids		
	72994	4,8 kg
	72995	5,6 kg
	72996	7,5 kg
	72997	7,7 kg
	72998	9,9 kg
	72999	11,5 kg

BOMBAS ACCIONADORAS DE LLAVES DINAMOMÉTRICAS HIDRÁULICAS / *POWER UNIT PUMP FOR HYDRAULIC TORQUE WRENCHES* / POMPES POUR CLÉS DYNAMOMETRIQUES HYDRAULIQUES / *DREHMOMENTSCHLÜSSEL* / POMPE DI AZIONAMENTO PER CHIAVI DI COPPIA IDRAULICHE / *BOMBAS DE ACIONAMENTO DE CHAVES DINAMOMÉTRICAS HIDRÁULICAS* / ПРИВОДНЫЕ НАСОСЫ ДЛЯ ГИДРАВЛИЧЕСКИХ ДИНАМОМЕТРИЧЕСКИХ КЛЮЧЕЙ

La bomba hidráulica ATEX **EGA Master** 76757 no sólo aporta las mejores prestaciones en cuanto a presión y caudal para un trabajo rápido y ergonómico, sino que asegura el cumplimiento de las medidas de seguridad exigidas por la Directiva 2014/34/UE para ambientes explosivos.

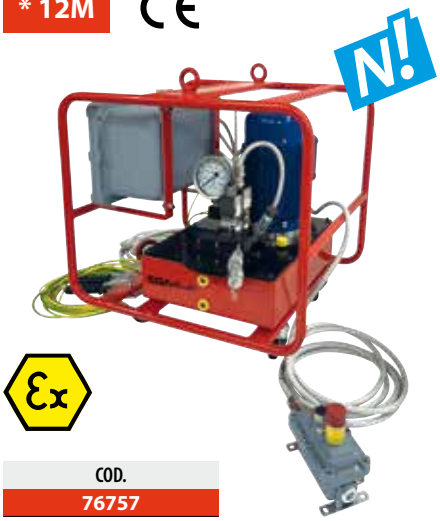
*The **EGA Master** ATEX hydraulic power unit pump 76757, not only provides the best features in terms of pressure and flow for a quick an ergonomic work, but also ensures the fulfilment of the safety measures required by 2014/34/UE Directive for explosive environments.*

La pompe hydraulique ATEX **EGA Master** 76757 non seulement proportionne les meilleures performances en termes de pression et de débit pour un travail rapide et ergonomique, mais elle assure également l'accomplissement des mesures de sécurité requises par la directive 2014/34/UE pour les environnements explosifs.

HIDRÁULICA / *HIDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЙ

DE ACCIONAMIENTO ELÉCTRICO / *ELECTRIC DRIVE* / D`ACCIONNEMENT ÈLECTRIQUE / *ELEKTRISCHER ANTRIEB* / CON AZZIONAMENTO ELETTRICO / *DE ACCIONAMENTO ELÉCTRICO* / ЭЛЕКТРИЧЕСКИЙ

*** 12M** CE



COD. **76757**

Zonas / *Zones*
1, 2 GAS / *GAZ*

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus
Para más información técnica o sobre los accesorios consultar en www.egamaster.com / *For more technical information or accessories check www.egamaster.com* / Pour de plus amples informations techniques et des accessoires, veuillez consulter le site www.egamaster.com

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hidraulic* / Hudraulique
Voltaje / *Voltage* / Voltage	400 V
Potencia / *Power* / Puissance	1,1 kW
Capacidad / *Capacity* / Capacité	10 L
Caudal / *Flow rate* / Débit	7,5 l/min. @ 70 bar / 0,9 l/min @ 700 bar
Puertos / *Ports* / Ports	4
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex IIB T3 Gb X

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ZUBEHÖR* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	Conexión / *Connection* / Connexion	
79999	Manguera bitubo / *Twin hose* / Tuyau bitube	1/4"	10 m



COD.	Descripción / *Description* / Description	CAP. L	Kg
79815	Aceite hidráulico / *Hydraulic oil* / Huile hydraulique	20	17



*** 12M: GARANTÍA 12 MESES** / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / *12 MONATEN GARANTIE* / 12 MAANDEN GARANTIE / *12 MESI DI GARANZIA* / 12 МЕСЯЦЕВ ГАРАНТИЯ

39

USO SUBACUÁTICO
UNDERWATER USE
UTILISATION SUBAQUATIQUE
UNTERWASSEREINSATZ
UTENSILI IDRAULICI E PNEUMATICI PER USO SUBACQUEO
SUBAQUÁTICO
ИНСТРУМЕНТ ДЛЯ ПОДВОДНЫХ РАБОТ

AQUA Master



AQUAMaster







EGA Master ha lanzado una completísima gama de herramientas neumáticas e hidráulicas para usos subacuáticos; amoladoras, llaves de impacto, taladros, sierras… Todas ellas están diseñadas para profesionales cuyo ámbito de trabajo habitual esté situado bajo el agua: embarcaciones hundidas, estructuras sumergidas, plataformas petrolíferas, centrales hidráulicas… Gracias a su diseño constructivo son aptas para su uso a cualquier profundidad accesible para los submarinistas.

***EGA Master** has launched a very complete range of pneumatic and hydraulic tools for underwater applications; grinders, impact wrenches, drills, saws (etc.). All of them are specially designed for professionals who usually work in underwater environment: sunk boats, submerged structures, oil rigs, hydro electric power station (etc.). Because of their design, they are suitable for being used at all depths accessible to divers.*

EGA Master a lancée une complète gamme d'outillage pneumatique et hydraulique pour utilisations subaquatiques; affilage, clés à frapper, perceuses, scies… Elle est conçue pour des professionnels dont le cadre de travail habituel est situé sous l'eau: embarcations coulées, structures submergées, plates-formes pétrolifères et centrales hydrauliques… Grâce à son dessin constructif, elle est apte pour une utilisation dans n'importe quelle profondeur accessible pour les sous-marins.

Instrucciones de manejo para las herramientas subacuáticas
Operating instructions for underwater tools
Mode d'emploi des outils subaquatiques

Antes de la operación subacuática:
- Comprobar que la máquina no tiene fugas.
- Comprobar todas las funciones de la máquina.
- Rociar todas las piezas móviles con el lubricante OKS 8601 (o similar).

Después de la operación subacuática:
- Limpiar la máquina.
- Secar la máquina con aire comprimido.
- Rociar todas las piezas móviles con el lubricante OKS 8601 (o similar).

Before underwater operation:
- *Test the machine for leakage.*
- *Test all functions of the machine.*
- *Spray all moving parts with lubricant OKS 8601 (or similar).*

After underwater operation:
- *Clean the machine.*
- *Dry the machine with compressed air.*
- *Spray all moving parts with lubricant OKS 8601 (or similar).*

Avant l'opération subaquatique:
- Vérifier que la machine n'a pas de fuites.
- Vérifier toutes les fonctions de la machine.
- Asperger toutes les parties mobiles avec le lubrifiant OKS 8601 (ou équivalent).

Après l'opération subaquatique:
- Nettoyer la machine.
- Sécher la machine avec de l'air comprimé.
- Asperger toutes les pièces mobiles avec le lubrifiant OKS 8601 (ou équivalent).



AQUAMaster

AMOLADORAS / *GRINDERS* / MEULEUSES / *SCHLEIFMASCHINEN* / SMERIGLIATRICI / *REBARBADORAS* / УГЛОВЫЕ ШЛИФОВАЛЬНЫЕ МАШИНКИ

Las amoladoras son herramientas muy versátiles, utilizadas en el sector del metal y la construcción para trabajar con diferentes materiales (acero, hormigón, piedra, madera,...). Dependiendo de la herramienta de inserción escogida, podremos realizar diversos trabajos como por ejemplo; pulir, lijar, rebarbar, tronzar, devastar...

Grinders are very versatile tools, used in metal industry and construction, to work with different materials (steel, concrete, stone, wood, ...). Different insertion tools, can do different jobs such as, grinding, sanding, deburring and cutting.

Les meuleuses sont des outils versatils, utilisés dans le secteur métalier et la construction pour différents matériaux (acier, béton, bois, pierre,...). Suivant le disque choisi, nous pourrons polir, lisser, raboter, couper, dévaster...

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

AMOLADORA ANGULAR / *ANGLE GRINDER* / MEULEUSE ANGULAIRE / *WINKELSCHLEIFER* / SMERIGLIATRICE ANGOLARE / *REBARBADORA ANGULAR* / УГЛОВАЯ ШЛИФОВАЛЬНАЯ МАШИНКА

COD.
79900

CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Disco / *Disk* / Disque	≤ 125 mm
Rosca de montaje / *Mounting thread* / Filtage d'assemblage	1/4"
RPM	11600
Potencia / *Power* / Puissance	0,3 kW
Conexión / *Connection* / Connexion	R 1/4"i
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 10 mm
Consumo de aire / *Air consumption* / Consommation d'air	1 m^3/min
Nivel sonoro / *Sound level* / Niveau sonore	88,50 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Peso / *Weight* / Poids	2,5 kg

AMOLADORA RECTA / *AXIAL DIE GRINDER* / MEULEUSE DROITE / *AXIAL-SCHLEIFMASCHINE* / SMERIGLIATRICE DRITTA / *RECTIFICADORA* / ПРЯМАЯ ШЛИФОВАЛЬНАЯ МАШИНА

COD.
79901

CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
RPM	20000
Potencia / *Power* / Puissance	0,7 kW
Conexión / *Connection* / Connexion	R 1/4"f
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 10 mm
Consumo de aire / *Air consumption* / Consommation d'air	0,85 m^3/min
Nivel sonoro / *Sound level* / Niveau sonore	85,90 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Longitud / *Length* / Longueur	250 mm
Ø de pinza / *Collet Ø* / Ø pince	6 mm
Peso / *Weight* / Poids	1,4 kg

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

AQUAMaster

HIDRÁULICA / *HYDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЕ

AMOLADORA VERTICAL / *VERTICAL GRINDER* / MEULEUSE VERTICALE / *VERTIKALSCHLEIFER* / MOLATRICE VERTICALE / *REBARBADORA VERTICAL* / ПЛОСКОШЛИФОВАЛЬНАЯ МАШИНА

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	90-140 bar
Disco / *Disk* / Disque	≤ 230 mm
RPM	3600
Potencia / *Power* / Puissance	3,5 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	20-45 l/min
Conexión / *Connection* / Connexion	3/4"-16UNF
Peso / *Weight* / Poids	5,8 kg
Conexión de disco / *Disk connection* / Connexion du disque	22.2/5/8-11UNC

AMOLADORA RECTA / *AXIAL DIE GRINDER* / MEULEUSE DROITE / *AXIAL-SCHLEIFMASCHINE* / SMERIGLIATRICE DRITTA / *RECTIFICADORA* / ПРЯМАЯ ШЛИФОВАЛЬНАЯ МАШИНА

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	105 bar
Rosca de montaje / *Mounting thread* / Filtage d'assemblage	1/4"
RPM	10400
Potencia / *Power* / Puissance	1,1 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	7,5 l/min
Conexión / *Connection* / Connexion	R 1/2"FF
Nivel sonoro / *Sound level* / Niveau sonore	90,70 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Longitud / *Length* / Longueur	270 mm
Peso / *Weight* / Poids	1,6 kg
Ø de pinza / *Collet Ø* / Ø pince	6 mm

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Disco / *Disk* / Disque	≤ 200 mm
RPM	7000
Potencia / *Power* / Puissance	1,8 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	18-50 l/min
Conexión / *Connection* / Connexion	1/2"FF
Nivel sonoro / *Sound level* / Niveau sonore	80,6 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Peso / *Weight* / Poids	7,6 kg

EGA Master
ART IN INNOVATION

AQUAMaster

LLAVES DE IMPACTO / *IMPACT WRENCHES* / CLÉS À CHOC / *SCHLAGSCHRAUBER* / AVVITATORI AD IMPULSI / *CHAVES DE IMPACTO* / УДАРНЫЕ ГАЙКОВЕРТЫ

Las llaves de impacto se utilizan para aplicar altos pares a tornillos de todo tipo con el simple accionamiento de un gatillo. De esta manera, podremos apretar y aflojar tornillos (por muy oxidados que éstos estén) que a mano nos sería imposible. Es muy importante tener en cuenta la medida de los tornillos con los que se va a trabajar porque no todos aguantarán el par máximo que estas llaves son capaces de aplicar.

Impact wrenches are used to apply high torque to nuts of all kinds. Thus, we can tighten and loosen the nuts (even very oxidized ones) that would be impossible to do by hand. It is very important to consider which nuts we will work on, because not all of them will stand the maximum torque that these wrenches are able to apply.

Les clés à choc s'utilisent pour appliquer un serrage important de tout type de boulons, en actionnant tout simplement une gâchette. De cette façon, il est possible de serrer ou de desserrer des écrous (même très oxydés) qui serait impossible manuellement. Il est imporatnt de prendre en compte le diamètre des écrous à travailler car tous ne pourront pas supporter le couple maximum que ces clés sont capables d'appliquer.

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

COD.	
79902	
79903	

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Cuadrado conductor / *Square drive* / Carré conducteur	
79902	3/4"
79903	1"
Par de apriete / *Torque* / Paire de serrage	1350 Nm
Consumo de aire / *Air consumption* / Consommation d'air	1,4 m^3/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M30 (46 mm AF)
Conexión / *Connection* / Connexion	R 1/2"f - R 1/2"f
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	13 mm
Nivel sonoro / *Sound level* / Niveau sonore	96 db
Nivel de vibración / *Vibration level* / Niveau de vibration	
79902	6,2 m/s^2
79903	4,5 m/s^2
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G c T6
Peso / *Weight* / Poids	
79902	5,6 kg
79903	5,5 kg



Vasos de impacto - Cuadrado 3/4" y 1" - Ver capítulo de **Llaves de vaso**.
*Impact socket wrenches - 3/4" and 1" Sq. Drive - See **Socket wrenches** chapter.*
Douilles à choc - Carrée de 3/4" et 1" - Voir chapitre **Douilles**.

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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HIDRÁULICA / *HYDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЕ

COD.

79917

79918

Ⓔx CE 12M



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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	70-140 bar
Cuadrado conductor / *Square drive* / Carré conducteur	
79917	3/4"
79918	1"
Par máx. / *Torque max.* / Paire max.	1700 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	20-40 l/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	<= M30 (46 mm AF)
Conexión / *Connection* / Connexion	M18 x 1,5
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	12 mm
Nivel sonoro / *Sound level* / Niveau sonore	85,3 db
Nivel de vibración / *Vibration level* / Niveau de vibration	3,8 m/s²
Longitud / *Length* / Longueur	245 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	7,3 kg

COD.

79919

Ⓔx CE 12M



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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Cuadrado conductor / *Square drive* / Carré conducteur	1"
Par / *Torque* / Paire	2500 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	25-45 l/min
Para pernos y tuercas / *For bolts and nuts* / Pour boulons et écrous	≤ M36 (55 mm AF)
Conexión / *Connection* / Connexion	1/2"FF
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	12 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	10,7 kg



Vasos de impacto - Cuadrado 3/4" y 1" - Ver capítulo de **Llaves de vaso**.
*Impact socket wrenches - 3/4" and 1" Sq. Drive - See **Socket wrenches** chapter.*
Douilles à choc - Carrée de 3/4" et 1" - Voir chapitre **Douilles**.

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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TALADROS / *DRILLS* / PERCEUSES / *KLEINBOHRMASCHINE* / TRAPANI / *BERBEQUINS* / ДРЕЛИ

Los taladros de uso subacuático de EGA Master son robustos, potentes y muy manejables. El usuario dispone de diferentes modelos para poder escoger el que más se adapte a sus necesidades. El taladro percutor de EGA Master está pensado para realizar taladros y perforaciones en multitud de materiales. La gran diferencia frente a un taladro normal, es la posibilidad de seleccionar un movimiento de percusión que acompañe al de rotación, facilitando enormemente la capacidad de perforación. Es imprescindible para perforar espesores muy gruesos de material de obra determinados o materiales muy duros, como el hormigón, la piedra, etc.

EGA Master's drills for underwater use are solid, powerful and very manageable. The user can choose different models that best suit his your needs. EGA Master Hammer drill is designed for drilling holes in several types of materials. The great difference from an ordinary drill, is the possibility of selecting a percussive movement that accompanies the rotation, greatly facilitating the drilling performance. This drill is essential to bore very thick or very hard materials such as concrete, stone, etc.

Les perceuses subaquatiques d'EGA Master sont robustes , puissantes et très maniables. L'utilisateur dispose de différents modèles pour pouvoir choisir celui qui s'adapte le mieux à ses besoins. La perceuse à percussion d'EGA Master a été conçue pour réaliser des perçages dans des multitudes de matériaux. La grande différence face à une perceuse normale, est la possibilité de sélectionner un mouvement de percussion qui accompagne celui de rotation, facilitant énormément la capacité de perforation. Elle est indispensable pour percer de grosses épaisseurs de matériau de travail ou des matériaux très durs, comme le béton, la pierre, etc.

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ

COD.
79904
79905

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	
79904	10 mm
79905	13 mm
Capacidad / *Capacity* / Capacité	
79904	10 mm (acero)
79905	13 mm (acero)
RPM	
79904	1550
79905	850
Potencia / *Power* / Puissance	0,5 kW
Conexión (entrada/salida) / *Connection (inlet /outlet)* / Connexion (entrée /sortie)	R 1/4"f - R 3/8"f
Consumo de aire / *Air consumption* / Consommation d'air	0,6 m^3/min
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 10 mm
Nivel sonoro / *Sound level* / Niveau sonore	84 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Longitud / *Length* / Longueur	
79904	235 mm
79905	245 mm
Conexión / *Connection* / Connexion	R1/4"f / R3/8"f
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	2,1 kg

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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TALADRO CON PERCUSIÓN / *IMPACT DRILL* / PERCEUSE À PERCUSSION / *SCHLAGBOHRMASCHINE* / TRAPANO A PERCUSSIONE / *BERBEQUIM DE PERCUSSÃO* / УДАРНАЯ ДРЕЛЬ

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	13 mm
Capacidad / *Capacity* / Capacité	13 mm (acero) - 20 mm (hormigón) / *13 mm (steel) - 20 mm (concrete)* / 13 mm (acier) - 20 mm (béton)
RPM	950
Potencia / *Power* / Puissance	0,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	0,6 m^3/min
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 10 mm
Nivel sonoro / *Sound level* / Niveau sonore	84 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s^2
Conexión (entrada/salida) / *Connection (inlet /outlet)* / Connexion (entrée /sortie)	R 1/4"f - R 3/8"f
Longitud / *Length* / Longueur	300 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	3,3 kg

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Capacidad / *Capacity* / Capacité	28 mm (hormigón) / *28 mm (concrete)* / 28 mm (béton)
RPM	625
Potencia / *Power* / Puissance	0,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	0,6 m^3/min
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 10 mm
Nivel sonoro / *Sound level* / Niveau sonore	93 db
Nivel de vibración / *Vibration level* / Niveau de vibration	4,5 m/s^2
Conexión (entrada/salida) / *Connection (inlet /outlet)* / Connexion (entrée /sortie)	R 1/2"f - R 3/8"f
Impactos por minuto / *Impacts per minute* / Impacts par minute	3000
Adaptador / *Adapter plug* / Adaptateur	SDS-plus®
Longitud / *Length* / Longueur	400 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	6,3 kg

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Portabrocas / *Chuck* / Mandrin	SDS-max
Capacidad / *Capacity* / Capacité	50 mm (hormigón) - 80 mm (mampostería) / *50 mm (concrete) - 80 mm (masonry)* / 50 mm (béton) - 80 mm (maçonnerie)
RPM	250
Potencia / *Power* / Puissance	1,5 kW
Consumo de aire / *Air consumption* / Consommation d'air	1,5 m^3/min
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	≥ 13 mm
Nivel sonoro / *Sound level* / Niveau sonore	90,4 db
Nivel de vibración / *Vibration level* / Niveau de vibration	9,2 m/s^2
Conexión (entrada/salida) / *Connection (inlet /outlet)* / Connexion (entrée /sortie)	R 1/2"f - R 3/8"f
Impactos por minuto / *Impacts per minute* / Impacts par minute	2500
Longitud / *Length* / Longueur	640 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	13,3 kg

HIDRÁULICA / *HYDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЕ

COD. **79912**

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
RPM	280
Potencia / *Power* / Puissance	1,6 kW
Par / *Torque* / Paire	60 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	10 l/min
Conexión / *Connection* / Connexion	1/2"FF
Nivel sonoro / *Sound level* / Niveau sonore	85,2 db
Portabrocas / *Chuck* / Mandrin	MT3
Nivel de vibración / *Vibration level* / Niveau de vibration	<15,8 m/s^2
Peso / *Weight* / Poids	8,5 kg

AQUAMaster

TALADRO CON PERCUSIÓN / *IMPACT DRILL* / PERCEUSE À PERCUSSION / *SCHLAGBOHRMASCHINE* / TRAPANO A PERCUSSIONE / *BERBEQUIM DE PERCUSSÃO* / УДАРНАЯ ДРЕЛЬ

COD. **79915**

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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	80 bar
Impactos por minuto / *Impacts per minute* / Impacts par minute	3400
Capacidad / *Capacity* / Capacité	28 mm (hormigón) - 50 mm (mampostería) / *28 mm (concrete) - 50 mm (masonry)* / 28 mm (béton) - 50 mm (maçonnerie)
RPM	500
Potencia / *Power* / Puissance	1,2 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	15-45 l/min
Conexión / *Connection* / Connexion	3/4"-16UNF
Adaptador / *Adapter plug* / Adaptateur	SDS-plus®
Nivel sonoro / *Sound level* / Niveau sonore	92 db
Nivel de vibración / *Vibration level* / Niveau de vibration	4,5 m/s²
Longitud / *Length* / Longueur	460 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	8,2 kg

COD. **79916**

Ex CE I 12M



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Accesorios no incluidos / *Accessories not included* / Accessoires non inclus
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	80 bar
Impactos por minuto / *Impacts per minute* / Impacts par minute	2300
Capacidad / *Capacity* / Capacité	50 mm (hormigón) - 80 mm (mampostería) / *50 mm (concrete) - 80 mm (masonry)* / 50 mm (béton) - 80 mm (maçonnerie)
RPM	270
Potencia / *Power* / Puissance	1,2 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	15-45 l/min
Conexión / *Connection* / Connexion	3/4"-16UNF
Adaptador / *Adapter plug* / Adaptateur	SDS-max
Nivel sonoro / *Sound level* / Niveau sonore	92 db
Nivel de vibración / *Vibration level* / Niveau de vibration	9 m/s²
Longitud / *Length* / Longueur	640 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	14 kg

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

AQUAMaster

TALADRO MAGNÉTICO / *MAGNETIC CORE DRILL* / PERCEUSE MAGNÉTIQUE / *KERNLOCHBOHRER MIT MAGNETFUß* / TRAPANO MAGNETICO / *BERBEQUIM MAGNÉTICO* / СТАНОК ДЛЯ ВЫРЕЗАНИЯ ОТВЕРСТИЙ НА МАГНИТНОЙ ПОДУШКЕ

COD.
79432

CE 12M



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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Portabrocas / *Chuck* / Mandrin	MT3
Máximo diámetro de perforación / *Maximum diameter of drilling* / Diamètre maximum de perforation	100 mm
Fuerza magnética / *Magnetic force* / Force magnétique	850 kg
RPM	40-250
Potencia / *Power* / Puissance	2,5 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	20-23 l/min
Carrera / *Stroke* / Parcours	300 mm
Nivel sonoro / *Sound level* / Niveau sonore	79,8 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s²
Designación ATEX / *ATEX marking* / Marquage ATEX	Ⓔx II 2G c IIB T5
Peso / *Weight* / Poids	22,5 kg

EGA Master
ART IN INNOVATION

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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SIERRAS PORTÁTILES / *RECIPROCATING SAWS* / SCIES PORTABLES / *STICHSÄGE* / SEGHETTI PORTATILI / *SERRAS PORTÁTEIS* / ПИЛЫ ВОЗВРАТНО-ПОСТУПАТЕЛЬНОГО ДЕЙСТВИЯ

Las sierras portátiles son herramientas necesarias para poder realizar todo tipo de cortes; cortes cruzados, rectos, cortes curvos, cortes en pico, biselados, etc. Destacan las sierras sable también conocidas como sierras de vaivén, que como bien dice su nombre, aprovechan el movimiento de vaivén de su cuchilla para facilitar la realización de cortes.

Reciprocating saws are necessary tools to perform all types of cutting: cross cut, straight, curved cuts, cuts in peak, beveled, etc.. It is worth highlighting saber saws also known as jigsaws, wich use the swinging motion of its blade to make cuts easier.

Les scies portables sont adaptées pour des coupes; coupes croisées, droites, courbes, biseautées, etc… Il y a aussi les scies sabres, avec un mouvement de va et vient, pour faciliter la coupe.

HIDRÁULICA / *HYDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЕ

COD. **79913**

Ex CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Tipo de válvula / *Valve type* / Type de valve	Twist
Carrera / *Stroke* / Parcours	60 mm
N.º de golpes / *Number of strokes* / Nro. de coups	500 rpm
Potencia / *Power* / Puissance	2,8 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	10-50 l/min
Conexión / *Connection* / Connexion	12S
Manguera (Øint.) / *Hose (Øint.)* / Tuyau (Øint.)	12 mm
Nivel sonoro / *Sound level* / Niveau sonore	86 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s²
Material de la carcasa / *Casing material* / Matiére de la coque	Aluminio / *Aluminum* / Aluminium
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	6,1 kg

SIERRA DE SABLE / *SABRE SAW* / SCIE SABRE / *SÄBELSÄGE* / SEGHETTO ALTERNATIVO / *SERRA DE SABRE* / САБЕЛЬНАЯ ПИЛА

COD. **79914**

Ex CE | 12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
Tipo de válvula / *Valve type* / Type de valve	Trigger
Carrera / *Stroke* / Parcours	28 mm
N.º de golpes / *Number of strokes* / Nro. de coups	1500 rpm
Potencia / *Power* / Puissance	1,5 kW
Caudal hidráulico / *Oil flow* / Flux d'huile	22-50 l/min
Conexión / *Connection* / Connexion	1/2"FF
Nivel sonoro / *Sound level* / Niveau sonore	89,4 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<2,5 m/s²
Capacidad de corte / *Cutting capacity* / Capacité de coupe	Madera: 160 mm - Acero: 19 mm / *Wood: 160 mm - Steel: 19 mm* / Bois: 160 mm - Acier: 19 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	6,0 kg

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

AQUAMaster

SIERRA DE CADENA / *CHAIN SAW* / SCIE À CHAÎNE / *KETTENSÄGE* / SEGHETTO A CATENA / *SERRA DE CORRENTE* / ЦЕПНАЯ ПИЛА

COD.
79980

12M



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140-200 bar
Potencia / *Power* / Puissance	7,7 kW
RPM	5000 rpm
Caudal hidráulico / *Oil flow* / Flux d'huile	40-50 l/min
Nivel sonoro / *Sound level* / Niveau sonore	85 db
Nivel de vibración / *Vibration level* / Niveau de vibration	<3,6 m/s²
Designación ATEX / *ATEX marking* / Marquage ATEX	II 2G c IIB T5
Peso / *Weight* / Poids	10,5 Kg

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description
74752	Sable porta cadena 27cm / *Chainbar 27cm* / Porte chaîne sable 27cm
79981	Sable porta cadena 43cm / *Chainbar 43cm* / Porte chaîne sable 43cm
79983	Sable porta cadena 63cm / *Chainbar 63cm* / Porte chaîne sable 63cm
74755	Sable porta cadena 73cm / *Chainbar 73cm* / Porte chaîne sable 73cm
74770	Sable porta cadena 103cm / *Chainbar 103cm* / Porte chaîne sable 103cm



COD.	Descripción / *Description* / Description
74354	Cadena para sable 27cm / *Chain 27cm* / Chaîne pour sable 27cm
74359	Cadena para sable 43cm / *Chain 43cm* / Chaîne pour sable 43cm
79986	Cadena para sable 63cm / *Chain 63cm* / Chaîne pour sable 63cm
74362	Cadena para sable 73cm / *Chain 73cm* / Chaîne pour sable 73cm
74369	Cadena para sable 103cm / *Chain 103cm* / Chaîne pour sable 103cm



COD.	Descripción / *Description* / Description
79982	Cadena con punta de diamante 43cm / *Diamont tipped chain 43cm* / Chaîne avec pointe de diamant 43cm
74405	Cadena con punta de diamante 43cm Universal / *Diamont tipped chain 43cm Universal* / Chaîne avec pointe de diamant 43cm Universelle
74624	Cadena con punta de diamante 43cm Alta duración / *Diamont tipped chain 43cm High duration* / Chaîne avec pointe de diamant 43cm Haute durabilité



COD.	Descripción / *Description* / Description
74372	Cadena con punta de carburo 27cm / *Carbide-tipped chain 27cm* / Chaîne avec pointe de carbure 27cm
74375	Cadena con punta de carburo 43cm / *Carbide-tipped chain 43cm* / Chaîne avec pointe de carbure 43cm
79985	Cadena con punta de carburo 63cm / *Carbide-tipped chain 63cm* / Chaîne avec pointe de carbure 63cm
74393	Cadena con punta de carburo 73cm / *Carbide-tipped chain 73cm* / Chaîne avec pointe de carbure 73cm
74996	Cadena con punta de carburo 103cm / *Carbide-tipped chain 103cm* / Chaîne avec pointe de carbure 103cm



COD.	Descripción / *Description* / Description
74785	Guarda de sable para 43cm / *Guard of chainbar 43cm* / Étui pour sable de 43cm
79984	Guarda de sable para 63/73cm / *Guard of chainbar 63/73cm* / Étui pour sable de 63/73cm



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

AQUAMaster

PERFORADORA / *CORE DRILL* / CAROTTEUSE À BETON / *BOHRHAMMER* / PERFORATORE / *PERFURADORA* / ДРЕЛЬ АЛМАЗНОГО БУРЕНИЯ

Las perforadoras de EGA Master son máquinas portátiles hidráulicas para hacer perforaciones en superficies de muy diversos materiales; piedra, ladrillo, hormigón, bloque,... Dispone de tres velocidades de perforación y su capacidad máxima es de 160mm.

EGA Master's core drills are portable hydraulic machines that drill the surfaces made of very different materials such as stone, brick, concrete, block... Thay have three drilling speeds and maximum capacity of 160 mm.

Les perforateurs d'EGA Master sont des machines hydrauliques portatives, pour toutes sortes de matériaux. Elles ont trois vitesses de perforation et la capacité max est de 160 mm.

NEUMÁTICO / *PNEUMATIC* / PNEUMATIQUE / *PNEUMATIK* / PNEUMATICA / *PNEUMÁTICO* / ПНЕВМАТИЧЕСКИЕ



COD. **79357**

Ex CE | 12M

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Neumático / *Pneumatic* / Pneumatique
Presión de trabajo / *Working pressure* / Pression de travail	6 bar
Par / *Torque* / Paire	49/31/16 Nm
Consumo de aire / *Air consumption* / Consommation d'air	2,2 m^3/min
Conexión / *Connection* / Connexion	R 3/4" a
RPM	400-900-1600
Potencia / *Power* / Puissance	1,6 kW
Brocas standard / *Standard drills* / Mèche standard	≤160 mm
Conexión a broca / *Bit connection* / Connexion de bits	1.1/4"UNC macho / R1/2" hembra / *1.1/4"UNC male / R1/2" female* / 1.1/4"UNC mâle / R1/2" femelle
Longitud / *Length* / Longueur	540 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T6 Gb
Peso / *Weight* / Poids	8,2 kg

HIDRÁULICA / *HYDRAULIC* / HYDRAULIQUE / *HYDRAULISCH* / IDRAULICA / *HIDRÁULICA* / ГИДРАВЛИЧЕСКИЕ



COD. **79920**

Ex CE | 12M

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES	
Accesorios no incluidos / *Accessories not included* / Accessoires non inclus	
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ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Tipo / *Type* / Type	Hidráulico / *Hydraulic* / Hydraulique
Presión de trabajo / *Working pressure* / Pression de travail	140 bar
RPM	380-900-1800
Potencia / *Power* / Puissance	2,8 kW
Par / *Torque* / Paire	60/38/17 Nm
Caudal hidráulico / *Oil flow* / Flux d'huile	22-45 l/min
Conexión / *Connection* / Connexion	1/2"FF
Brocas standard / *Standard drills* / Mèche standard	≤160 mm
Conexión a broca / *Bit connection* / Connexion de bits	1.1/4"UNC macho / R1/2" hembra / *1.1/4"UNC male / R1/2" female* / 1.1/4"UNC mâle / R1/2" femelle
Longitud / *Length* / Longueur	490 mm
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 2G Ex h IIB T5 Gb
Peso / *Weight* / Poids	8,5 kg

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

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AQUAMaster

LINTERNA / *TORCH* / LAMPE / *TASCHENLAMP* / TORCIA / *LANTERNA* / ФОНАРЬ

MASTEREX 79598

La Linterna MasterEx 79598 ofrece una autonomía de 13 horas con sus 4 pilas alcalinas AA y está equipada con un LED de potencia 1W.

Su ligereza, ergonomía y su grado de protección IP68 la convierten en una linterna perfecta para su uso tanto en ambientes de gas explosivos peligrosos, hasta zona 0, como para uso subacuático.

The MasterEx 79598 LED torch offers 13 hours of continuous work with 4 AA alcaline batteries and is equipped with a 1W power LED.

Its light, ergonomics and IP68 protection grade makes it a perfect torch for use both in hazardous gas areas, up to Zone 0, and for underwater use.

La lampe LED MasterEx 79598 offre une autonomie de 13 heures avec ses 4 piles alcalines AA et elle est composée par un LED de puissance 1W.

Sa légèreté, ergonomie et degré de protection IP68, la transforment en lampe parfaite pour utiliser dans les environnements de gaz explosifs dangereux, jusqu'à la Zone 0, comme pour utilisation subaquatique.

COD.
79598

Ex CE I 12M



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Fuente de luz / *Light source* / Source de lumière	Osram 1 W Led
Luminosidad / *Brightness* / Luminosité	60 Lúmenes / *60 Lumens* / 60 Lumens
Alimentación / *Power supply* / Alimentation	4 x AA pilas (certificadas) / *4 x AA batteries (type tested)* / 4 x AA piles (certifiées)
Clase de protección / *Protection class* / Classe de protection	IP68
Designación ATEX / *ATEX marking* / Marquage ATEX	Ex II 1 G Ex ia IIC T4 ia D 20 T135°C
Inmersión continua / *Continuous immersion* / Immersion continue	●
Baterías incluidas / *Included batteries* / Piles incluses	●
Longitud / *Length* / Longueur	175 mm
Peso / *Weight* / Poids	96 g



12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

40

ANTI-MAGNÉTICA DE TITANIO
NON-MAGNETIC TITANIUM
AMAGNETIQUE EN TITANE
TITAN NICHT MAGNETISCH
ANTIMAGNETICO AL TITANIO
ANTI-MAGNÉTICO DE TITÂNEO
НЕМАГНИТНЫЙ ТИТАНОВЫЙ



TITANIO
TITANIUM
TITANE

40 ANTI-MAGNÉTICA DE TITANIO
NON-MAGNETIC TITANIUM
AMAGNETIQUE EN TITANE

Las herramientas de Titanio EGA Master han sido desarrolladas con la más alta tecnología y fabricadas en aleación de Titanio 6Al-4V, para ser usadas en los más exigentes y avanzados campos, tales como la aviación, equipos hospitalarios, aplicaciones aeroespaciales y militares. Estas propiedades hacen que esta aleación sea la mejor que actualmente existe para aplicaciones críticas y especiales que requieren una gran capacidad mecánica, combinada con características que otra aleación no puede conseguir, como la de ser no-magnética, etc. Muchas aplicaciones requieren herramientas completamente no magnéticas para no causar ninguna alteración, por ejemplo dispositivos muy sensibles usados en laboratorios, hospitales, centros de transformación, estaciones de radar, antenas etc.

***EGA Master** Titanium Tools have been developed with the help of the most advanced technology. They are manufactured with Titanium alloy, 6Al-4V, which has been used in the most innovative and advanced fields, such as aviation, military and aerospace applications. Its properties make this alloy the best one among the current existing ones for special and critical applications that require high mechanical properties, combined together with features that no other steel alloy tool can reach, like Non-Magnetism. Many applications require the use of totally non-magnetic tools in order to avoid any magnetic disturbance, such as very sensitive electronic devices used in laboratories, hospitals, power plants, etc.*

L'outillage en Titane d'EGA Master a été développé avec la plus haute technologie, alliage de Titane 6Al-4V, utilisé dans les domaines les plus avancés et les plus techniques comme l'aviation, l'industrie militaire et les applications aérospaciales. Les propiétés du Titane font de cet alliage, le meilleur pour des applications critiques et spéciales qui reauierrent une grande résistance mécanique, combinée avec d'autres caractéristiques que d'autres alliages de fer n'ont pas, comme l'amagnétisme. Beaucoup d'applications nécessitent des caractéristiques totalement amagnétiques, pour ne pas causer d'altération magnétique, par exemple, avec des dispositifs très sensibles utilisés dans les laboratoires, les hopitaux et les centres de transformation…

Propiedades *Properties* **Proprietes**	**Aplicación y beneficios** *Application & benefits* **Applications**
100 % seguridad de anti- magnetismo *100% non-magnetic safety* **100% securité anti-magnétique**	Esencial para equipos que requieren una completa seguridad no magnética *Essential for equipments that require complete non-magnetic safety, avoiding magnetic disturbance* Essentiel pour des équipements nécessitant de l'outillage amagnétique
Inoxidable (más que el acero inoxidable) *Rustproof (more than stainless steel)* **Inoxidable (plus que l'inox)**	Especialmente concebidos para aplicaciones en entornos corrosivos como pueden ser en trabajos en la marina o de aplicaciones de bomberos *Specially well suited for applications in corrosive environments like the ones encountered in marine works or fire-fighting applications* Spécialement concu pour des lieux á fort taux de corrosion, comme des travaux marins ou des utilisations par des pompiers
Extremadamente resistente al ácido *Extremely Acid Resistant* **Extremely Acid Resistant**	Perfecto para la industria química, herramienta duradera *Perfect for Chemical Industry, long lasting tools* Parfait pour l'ndustrie chimique, outillage á longue durabilité
Hipoalergénico *Hypoallergenic* **Hipoalergénique**	También apropiado por el incremento diario de alergias hacia materiales como el Ni, la alergia más frecuente, presente en la mayoría de las aleaciones de acero *Also appropriate for the daily increasing allergies to materials such as Ni, the most frequent allergy, present on most of the steel alloys* Aussi approprié pour éviter les allergies, tous les jours croissants, au matériau tel que le Nickel (allergie la plus fréquente), présent dans les alliages d'acier
45 % más ligero que el acero *45% lighter than steel* **45% plus léger que l'acier**	Evita las modernas y frecuentes lesiones causadas por movimientos de carga, como pueden ser la tendinitis o bursitis *Avoids modern and frequent injuries caused by repetitive load movements, such as tendinitis or bursitis* Fait éviter les lésions fréquentes du monde moderne telles que les tendinites, dues á la manipulation de poids

MAT.: Ti 6Al-4V		
Composición *Composition* **Composition**	V	3,5 % - 4,5 %
	Al	5,5 % - 6,8 %
	Otros / *Others* / Autres	<1 %
Dureza / *Hardness* / **Dureté**	33-43 HRC	
Temperatura de fusión *Melting Temperatura* **Temperature de fusion**	1650 °C	
Resistencia a la tracción *Tensile Strength* **Resistence á la traction**	993 N/mm^2	



PRINCIPALES CAMPOS DE APLICACIÓN
MAIN APPLICATION FIELDS
PRINCIPAUX CHAMPS D'APPLICATION

Propiedad antimagnética ***Non-magnetic property*** **Proprieté antimagnétique**	**Inoxidable y resistente al ácido** ***Rustproof and acid resistant properties*** **Inoxidable el résistant à l'acide**
Marina / *Navy* / Marine	Trabajos al exterior / *Outdoor works* / Travaux extérieurs
Servicios de reparación de Electrónica y dispositivos Eléctricos *Electronic and Electric device repairing services* Services de réparation Electronique et dispositifs électriques	Construcciones de Diques / *Dock constructions* / Construction de docks
Fabricantes de Electrónica y dispositivos Eléctricos *Electronic and Electric device manufacturers* Fabricants d'électronique et de dispositifs électriques	Aplicaciones sub-acuáticas / *Scuba Diving applications* Applications Sous-marines
Estaciones de servicio y energía / *Power stations* Stations-service et energie	Industria química / *Chemical Industry* / Industrie chimique
Defensa / *Defence* / Defense	Bomberos / *Fire-fighters* / Pompiers
Fuerzas aéreas / *Air Forces* / Forces aériennes	Instalaciones de desalinización de aguas *Water De-sallination Installations* / Usine de déssalement d'eau
Fabricante de armas / *Weapon fabrication* / Fabricants d'armes	
Trabajos ferroviarios / *Railway works* / Travaux ferroviéres	Defensa / *Defence* / Defense
Telecomunicaciones / *Telecommunication* / Telecommunications	Fuerzas aéreas / *Air Force* / Forces aériennes
Aplicaciones aeroespaciales / *Aerospace applications* Applications aérospaciales	Marina / *Navy* / Marine
Aviación / *Aviation* / Aviation	Industrias farmacéuticas / *Pharmaceutical Industries* Industrie Pharmaceutique
Laboratorios de alta tecnología / *High Tech Laboratories* Laboratoires de haute technologie	Construcción de barcos / *Ship building* / Contruction navale
Hospitales (escaners, rayos X, MRI, ECG, Dispositivos desfibriladores…) *Hospitals (scanners, X-ray, MRI, ECG, Defibrillation devices, CRT…)* Hopitaux (scaners, rayons X, MRI, ECG, Dispositifs desfilibrisateurs)	Plataformas exteriores de Gas y petróleo / *Offshore oil and gas platforms* Plateformes extérieures de gaz et de pétrole
Industrias farmacéuticas / *Pharmaceutical Industries* Industrie pharmaceutique	Fabricas de sal / *Salt Industry* / Usine de sel
Industrias nucleares / *Nuclear Industries* / Industries nucleaires	
NMR imanes, espectrómetros, grandes imanes Tesla *NMR Magnets, Spectrometers, High Tesla Magnets* NMR aimans, spectrómetrs, électronique á raisonnance magnétique	

INSTRUCCIONES DE USO Y GARANTÍA
INSTRUCTIONS FOR USE & WARRANTY
INSTRUCTIONS DE GARANTIE ET D'UTILISATION

1. Las herramientas de Titanio no pueden alcanzar la dureza de las herramientas convencionales. Esto es debido al hecho de que la composición del material hace que sea imposible que sea inducida su dureza. Por esta razón, el uso de las herramientas de Titanio debe tener un especial cuidado, evitando sobreesfuerzos.

   Titanium Tools cannot reach the hardness of conventional tools, due to the fact that the material composition makes it impossible to be induction hardened. For this reason the use of Titanium Tools has to be carried out with special care, avoiding overstraining, heating, etc.

   L'outillage Titane ne peut pas avoir la même dureté que l'outillage traditionnel, car la composition du matériau empêche l'induction de la dureté. Pour cela, il requière une attention spéciale, en évitant la rupture, la chaleur…

2. El uso de herramientas de Titanio no debe ser la única medida preventiva en áreas en las que se ha diseñado para ello. Otros objetos, como ropa o material presencial, deben ser también adecuados.

   The use of Titanium Tools must not be the only preventive measure in areas which the items are designed for. Other items, clothes or present material must also be adequate.

   L'utilisation d'outillage en Titane ne doit pas être le seul moyen de prévention dans les environnements pour lequel il est conçu. D'autres objets, comme les vêtements et matériaux présents doivent aussi être adaptés aux applications anti-déflagrantes.

3. Las herramientas de Titanio de **EGA Master** tienen una garantía de por vida. En el caso de defecto de fabricación deberán ser reparadas o reemplazadas sin ningún coste. El uso indebido es considerado como una excepción de la garantía.

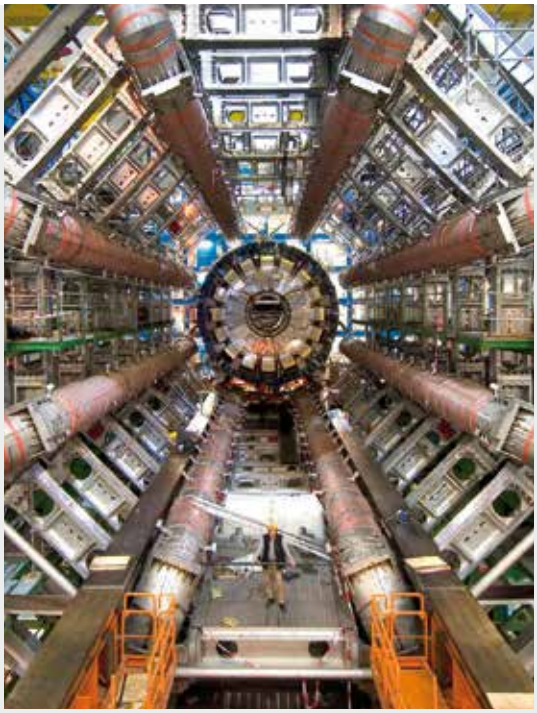
   ***EGA Master** Titanium Tools are provided with lifetime warranty. In case an **EGA Master** tool breaks or fails to perform under normal and correct use, it will be repaired or replaced free of cost. Any misuse, abuse or normal service wear is considered as an exception to the warranty.*

   L'outillage en Titane d'**EGA Master** a une garantie á vie. Dans le cas d'une rupture ou en présence de vices á la livraison, l'outillage devra être réparé ou remplacé sans aucun surcoût. Une utilisation non conforme exclut la garantie.

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098048
to the Management Quality

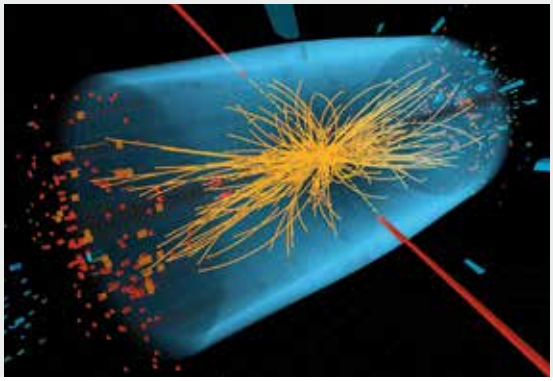
¿Sabía usted que las herramientas de Titanio de **EGA Master** se emplean por el laboratorio CERN (Organización Europea de Investigacion Nuclear) que recientemente ha encontrado el Bosón de Higgs, uno de los descubrimientos científicos más importantes de todos los tiempos? Las partículas que colisionan durante los experimentos se aceleran a velocidades cercanas a la luz usando potentísimos electro-imanes. Estos últimos requieren del empleo de herramientas completamente amagnéticas, como las herramientas de Titanio fabricadas por **EGA Master**.











*Did you know that **EGA Master** titanium tools are used by the CERN laboratory (European Organization for Nuclear R esearch) which has recently found the Higgs Boson, one of the greatest scientific discoveries of all times? The particles that collide during the experiments are accelerated to speeds that are close to the speed of light by using very powerful electro-magnets. Such magnets require the use of non-magnetic tools, the most non-magnetic of which are the ones made in Titanium by **EGA Master**.*

Saviez vous que les outils en titane d'**EGA Master** sont utilisés par le laboratoire CERN (Organisation Européenne de Recherche Nucléaire) qui a récemment découvert le boson d'Higgs, une des découvertes scientifiques les plus importantes de tous les temps? Les particules que entrent en colision durant les expériences s'accélèrent à des vitesses proches de celle de la lumière en utilisant des electro-aimants très puissants. Ces derniers requierent l'usage d'outils complètement amagnétiques, tels que les outils en Titane fabriqués par **EGA Master**.

ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALE / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	L (mm)	g
71646	160	150
71647	200	250



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

COD.	L (mm)	g
71648	180	100
71649	200	



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *KRAFTSEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / БОКОРЕЗЫ

COD.	L (mm)	g
71650	160	100
71651	200	



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

ALICATE TIPO FORD / *SLIP JOINT PLIER* / PINCE MOTORISTE / *MECHANIKERZANGE* / PINCE PER GASISTI / *ALICATE MOTORISTA* / СКОЛЬЗЯЩИЕ КЛЕЩИ

COD.	L (mm)	g
71731	200	250



ALICATES CIRCLIPS / *CIRCLIPS PLIERS* / PINCES CIRCLIPS / *ZANGEN FÜR SICHERUNGSRINGE* / PINZE PER ANELLI / *ALICATES FREIOS* / СЪЕМНИК КОЛЕЦ

COD.	L (mm)	O.D. mm	g
72082	180	19-60	100



ALICATES PARA TERMINALES / *CRIMPING PLIERS* / PINCES À SERTIR LES COSSES / *KABELKLEMMZANGE* / PINZA PER CAPICORDA / *ALICATE PARA CRAVAR TERMINAIS* / ОБЖИМНЫЕ КЛЕЩИ

COD.	L (mm)	g
71652	200	120



TENAZAS / *PINCERS* / TENAILLES / *ZANGE* / TENAGLIE / *ALICATES* / КЛЕЩИ

PICO DE LORO / *GROOVE JOINT* / MULTIPRISE À CRÉMAILLÈRE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ЖЕЛОБКОВОГО ТИПА

COD.	L (mm)	g
72532	250	250
72533	370	550



LLAVES / *WRENCHES* / CLÉS / *SCHLÜSSEL* / CHIAVI / *CHAVES* / КЛЮЧИ

LLAVE COMBINADA DE CARRACA / *COMBINATION RATCHET WRENCH* / CLÉ MIXTE À CLIQUET / *RATSCHEN-RINGGABELSCHLÜSSEL* / CHIAVE COMBINATA A CRICCO / *CHAVE DE BOCA E LUNETA COM ROQUETE* / КЛЮЧ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ

COD.	AF mm	g
74820	8	20
74822	10	28
74824	12	32
74825	13	46
74826	14	55
74829	17	90



LLAVES FIJAS / *OPEN-END WRENCHES* / CLÉS À FOURCHE / *GABELSCHLUSSEL* / CHIAVI FISSE / *CHAVES DUAS BOCAS* / РОЖКОВЫЕ КЛЮЧИ

MM

COD.	AF mm	g
71967	5-5,5	20
71660	6-7	
71968	8-9	
71661	8-10	
71825	10-11	30
71662	10-12	
71824	12-13	40
71663	12-14	50
71890	14-15	70
71664	14-17	100
71826	16-17	
71665	17-19	
71827	18-19	
71666	19-22	150
71973	20-22	
71974	21-23	
71667	22-24	
71975	24-27	250
71976	25-28	
71977	30-32	300



INCH

COD.	AF inch	g
71891	1/4-5/16	20
71892	5/16-3/8	
71893	3/8-7/16	30
71894	1/2-9/16	50
71895	9/16-5/8	
71896	19/32-11/16	100
71897	5/8-11/16	
71898	11/16-3/4	
71899	3/4-25/32	
71900	3/4-7/8	150
71901	13/16-7/8	
71902	15/16-1	200
71903	1-1.1/8	250
71904	1.1/16-1.1/8	
71905	1.1/16-1.1/4	300



LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *GABELSCHLUSSEL* / CHIAVI FISSE / *CHAVES DUAS BOCAS* / КОМБИНИРОВАНЫЕ КЛЮЧИ

MM



COD.	AF mm	g
74311	3	15
74312	4	
74313	5	
71978	6	20
71668	7	30
71669	8	
71670	9	
71671	10	40
71672	11	
71673	12	
71674	13	50
71675	14	
71676	15	100
71677	17	
71979	18	125
71678	19	150
71679	22	200
71680	24	250
71980	25	270
71981	26	300
71982	27	350
71983	28	
71984	29	400
71681	30	410
71985	32	450
71986	36	500
71987	41	750
71988	46	1050

INCH



COD.	AF inch	g
71828	7/32	15
71829	15/64	
71832	1/4	20
71830	5/16	30
71831	7/16	40
71833	1/2	50

LLAVES ACODADAS / *DOUBLE OFFSET RING WRENCHES* / CLÉS POLYGONALES CONTRE-COUDÉES / *RINGSCHLUSSEL* / CHIAVI POLIGONALI / *CHAVES LUNETA* / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

MM



COD.	AF mm	g
71989	5-5,5	20
71682	6-7	30
71990	6-8	
71991	8-9	
71683	8-10	
71992	9-11	
71993	10-11	
71684	10-12	
71994	11-13	40
71995	12-13	45
71685	12-14	50
71996	13-15	70
71997	14-15	80

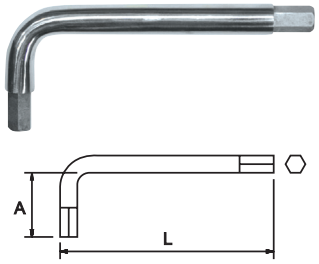
COD.	AF mm	g
71998	14-16	90
71686	14-17	100
71687	17-19	
71999	18-19	
72000	18-20	125
71688	19-22	150
72001	20-22	
72002	21-23	200
71689	22-24	250
72003	24-27	300
72004	25-28	350
72005	26-29	370
72006	27-30	400
72007	30-32	450
72008	28-36	470
72009	32-36	500
72010	41-46	600

LLAVES HEXAGONALES / *HEXAGONAL KEYS* / CLÉS MÂLES / *INBUSSCHLÜSSEL* / CHIAVI ESAGONALI / *CHAVES HEXAGONAIS* / ШЕСТИГРАННИК

STANDARD

MM

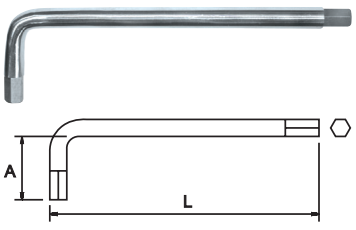
COD.	AF mm	L (mm)	A (mm)	g
71963	1,5	45	14	5
71964	2	48	16	10
71965	2,5	55	18	
71966	3	60	20	15
72043	3,5	65	23	
71712	4	70	25	20
71713	5	80	28	
71714	6	90	32	50
71972	7	95	34	70
71715	8	100	36	90
72044	9	105	38	110
71716	10	110	40	130
72045	11	120	42	150
72046	12	125	45	180
72047	14	140	55	210
72048	17	160	65	250



SERIE LARGA / *LONG SERIE* / SÉRIE LONGUE / *LANGE FORM* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

COD.	AF mm	L (mm)	A (mm)	g
72049	1,5	90	14	10
72050	2	100	16	
72051	3	110	20	15
72052	3,5	115	23	25
72053	4	120	25	30
72054	5	130	28	
72055	6	145	32	55
72056	7	155	34	90
72057	8	160	36	120
72058	9	175	38	130
72059	10	180	40	160

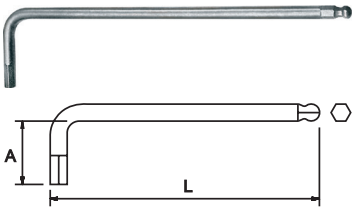


LLAVES HEXAGONALES DE BOLA / *BALLPOINT HEXAGONAL KEYS* / CLÉS MÂLES À TÊTE SPHÉRIQUE / *KUGELKOPF INBUSSCHLÜSSEL* / CHIAVI ESAGONALI CON TESTA SFERICA / *CHAVES HEXAGONAIS ESFERICAS* / ШЕСТИГРАННЫЕ КЛЮЧИ С ШАРОВОЙ ГОЛОВКОЙ

SERIE LARGA / *LONG SERIE* / SÉRIE LONGUE / *LANGE FORM* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

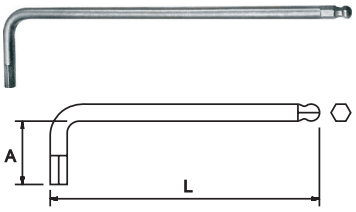
MM

COD.	AF mm	L (mm)	A (mm)	g
72060	1,5	90	14	5
72061	2	100	16	10
72062	2,5	110	18	
72063	3	125	20	15
71717	4	140	25	20
71718	5	155	28	
72064	5,5			30
71719	6	175	32	50
72065	7	190	34	70
71720	8	200	36	90
72066	9	210	38	110
71721	10	230	40	130
72067	11	240	42	150
72068	12	260	45	180
72069	14	280	55	210
72070	17	300	65	250



INCH

COD.	AF inch	L (mm)	A (mm)	g
71838	1/16	90	14	5
71839	5/64	100	16	10
71840	3/32	110	18	
71841	1/8	125	20	15
71842	5/32	140	25	20
71843	3/16	155	28	
71844	7/32	175	32	30
71845	1/4	190	34	60
71846	5/16	200	36	90
71847	3/8	210	38	120



LLAVE ALLEN CON MANGO EN "T" / *ALLEN KEY WITH "T" HANDLE* / CLÉ HÉXAGONALE EMMANCHÉE EN T / *INBUSSCHLÜSSEL MIT T-GRIFF* / CHIAVE A T ESAGONALE CON IMPUGNATURA IN PLASTICA / *CHAVES MACHO SEXTAVADO COM CABO EM T* / КЛЮЧ АЛЕН С РУЧКОЙ «Т»

COD.	AF mm	T mm	T mm	g
72503	3	43	155	65
72504	4			
72505	5		165	75
72506	6	55		
72507	8			
72508	10			



LLAVE AJUSTABLE / *ADJUSTABLE WRENCH* / CLÉ À MOLETTE / *ROLLGABELSCHÜSSEL* / CHIAVE REGOLABILI A RULLINO / *CHAVE AJUSTAVEL* / РАЗВОДНЫЕ КЛЮЧИ

COD.	L (inch)	L (mm)	CAP. (mm)	g
71654	6	150	19	70
71655	8	200	25	110
71656	10	250	30	220
79448	12	300	34	400



LLAVE DINAMOMÉTRICA / *TORQUE WRENCH* / CLÉ DYNAMOMETRIQUE / *DREHMOMENTSCHLÜSSEL* / CHIAVE DINAMOMETRICA / *CHAVE DINAMOMETRICA* / РЕВЕРСИВНЫЕ ДИНАМОМЕТРИЧЕСКИЕ КЛЮЧИ



COD.	AF inch	L (mm)	N.m	g
79440	3/8	360	5-50	420
79441	1/2	405	10-100	480
79442		500	20-200	550
79443		595	50-250	650
79444			60-300	
79445	3/4	1040	150-750	2450
79446	1	1253	200-1000	4350

12M



COD.	AF inch	L (mm)	N.m	g
74296	1/2	410	30-160	500

12M



COD.	AF inch	L (mm)	N.m	g
72540	3/8	310	10-15	400

12M

LLAVES DE VASO / *SOCKET WRENCHES* / DOUILLES / *STECKSCHLUSSEL* / DOPEN / *CHAVES DE CAIXA* / ГОЛОВКИ

1/4"

STANDARD

MM

COD.	AF mm	g
71701	4	5,0
71702	5	
71703	6	
71704	7	
71705	8	
71706	9	10
71707	10	
71708	11	15
71709	12	
71710	13	20
71711	14	



INCH

COD.	AF inch	g
72039	1/8	5,0
72040	3/16	
72041	1/4	
72042	3/8	10



LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIBLE* / РЕВЕРСИВНАЯ ТРЕЩЕТКА



COD.	AF inch	L (mm)	g
71783	1/4	150	180

MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *T-GLEITGRIFF* / ASTA CON QUADRO ESCORREVOLO / *CABO "T" CORREDIÇO* / ПОДВИЖНАЯ "T" РУЧКА



COD.	AF inch	L (mm)	g
72497	1/4	150	150

12M GARANTIA 12 MESES / *12 MONTHS OF WARRANTY* / 12 MOIS DE GARANTIE / 12 MONATEN GARANTIE / 12 MAANDEN GARANTIE / 12 MESI DI GARANZIA / 12 МЕСЯЦЕВ ГАРАНТИЯ

1/4"

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

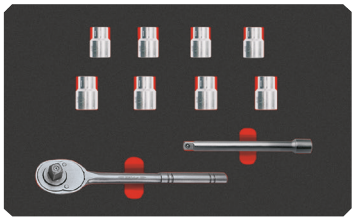


COD.	AF inch	L (mm)	g
72494	1/4	100	150
72495		150	200

JUEGOS LLAVES DE VASO / *SOCKET WRENCHES SETS* / SETS DOUILLES / *WERKZEUGSÄTZE FÜR STECKSCHLÜSSEL* / KIT BUSSOLE DOPPEN / *JOGOS CHAVES DE CAIXA* / НАБОР ГОЛОВКИ

10 PCS.





COD.	AF inch	PCS.		g
79083	1/4	10	51079	900

PCS.	COD. PCS.	Descripción / *Description* / Description		MAT.
1	71701	Llaves de vaso / *Socket wrenches*	1/4", 4 mm	Titanio / *Titanium*
	71702		1/4", 5 mm	
	71703		1/4", 6 mm	
	71704		1/4", 7 mm	
	71705		1/4", 8 mm	
	71707		1/4", 10 mm	
	71708		1/4", 11 mm	
	71710		1/4", 13 mm	
	72494	Alargadera / *Extension*	1/4", 100 mm	
	71783	Llave de carraca / *Ratchet handle*	1/4"	

3/8"

STANDARD

MM

COD.	AF mm	g
72011	4	15
72012	5	
72013	6	20
72014	7	
72015	8	25
72016	9	
71691	10	
71692	11	
71693	12	
71694	13	
71695	14	35
71696	15	45
71697	16	
71698	17	60
71699	18	
71700	19	



INCH

COD.	AF inch	g
72017	5/16	25
72018	3/8	
72019	7/16	
72020	1/2	
72021	9/16	40
72022	5/8	45
72023	11/16	60
72024	1.1/16	80
72025	1.1/4	90



3/8"

SERIE LARGA / *LONG SOCKET* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИ

COD.	AF mm	g
72026	6	30
72027	7	
72028	8	
72029	9	
72030	10	35
72031	11	
72032	12	
72033	13	
72034	14	60
72035	15	70
72036	16	75
72037	17	90
72038	18	



LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIBLE* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD.	AF inch	L (mm)	g
71784	3/8	180	230



MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *T-GLEITGRIFF* / ASTA CON QUADRO ESCORREVOLO / *CABO "T" CORREDIÇO* / ПОДВИЖНАЯ "T" РУЧКА

COD.	AF inch	L (mm)	g
72498	3/8	250	250



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (mm)	g
72491	3/8	100	150
72492		200	250



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР

COD.	AF inch	g
72500	3/8	100



BERBIQUÍ / *SPEEDER HANDLE* / VILEBREQUIN / *KURBEL* / LEVA GIROBECCHINO / *MANIVELA* / КОЛЕНЧАТАЯ РУЧКА

COD.	AF inch	L (mm)	g
72496	3/8	400	300



MANGO ARTICULADO / *SWIVEL HANDLE* / MANCHE ARTICULÉ / *GELENKGRIFF* / MANICO ARTICOLATO / *CABO ARTICULADO* / ГИБКАЯ РУКОЯТКА

COD.	AF inch	g
72502	3/8	300



3/8"

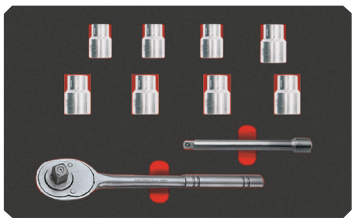
JUEGOS LLAVES DE VASO / *SOCKET WRENCHES SETS* / SETS DOUILLES / *WERKZEUGSÄTZE FÜR STECKSCHLÜSSEL* / KIT BUSSOLE DOPPEN / *JOGOS CHAVES DE CAIXA* / НАБОР ГОЛОВКИ

10 PCS.

COD.	AF inch	PCS.		Kg
79084	3/8	10	51079	1,1

PCS.	COD. PCS.	Descripción / *Description* / Description		MAT.
1	72013	Llaves de vaso / *Socket wrenches*	3/8", 6 mm	Titanio / *Titanium*
	72014		3/8", 7 mm	
	72015		3/8", 8 mm	
	71691		3/8", 10 mm	
	71692		3/8", 11 mm	
	71694		3/8", 13 mm	
	71698		3/8", 17 mm	
	71700		3/8", 19 mm	
	72491	Alargadera / *Extension*	3/8", 100 mm	
	71784	Llave de carraca / *Ratchet handle*	3/8"	





1/2"

STANDARD

MM

COD.	AF mm	g
71850	7	25
71851	8	
71852	9	
71853	10	30
71854	11	
71855	12	
71856	13	
71857	14	
71858	15	35
71859	16	
71860	17	
71861	18	40
71862	19	
71863	20	
71864	21	45
71865	22	50
71866	23	55
71867	24	
71868	25	60
71869	26	
71870	27	65
71871	28	80
71872	29	90
71873	30	100
71874	31	105
71875	32	120



INCH

COD.	AF inch	g
71876	1/4	25
71877	7/16	
71878	1/2	30
71879	9/16	35
71880	5/8	
71881	11/16	
71882	3/4	40
71883	13/16	
71884	7/8	50
71885	15/16	55
71886	1	60
71887	1.1/16	70
71888	1.1/8	90



LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIBLE* / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD.	AF inch	L (mm)	g
71785	1/2	220	300



1/2"

MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNÉE COULISSANTE / *T-GLEITGRIFF* / ASTA CON QUADRO ESCORREVOLO / *CABO "T" CORREDIÇO* / ПОДВИЖНАЯ "T" РУЧКА

COD.	AF inch	L (mm)	g
72499	1/2	250	250



ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (mm)	g
72493	1/2	100	150



ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР

COD.	AF inch	g
72501	1/2	150



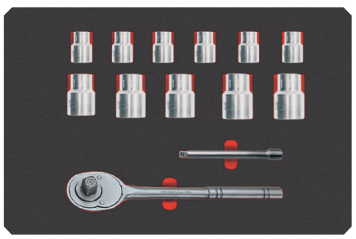
JUEGOS LLAVES DE VASO / *SOCKET WRENCHES SETS* / SETS DOUILLES / *WERKZEUGSÄTZE FÜR STECKSCHLÜSSEL* / KIT BUSSOLE DOPPEN / *JOGOS CHAVES DE CAIXA* / НАБОР ГОЛОВКИ

13 PCS.

COD.	AF inch	PCS.		Kg
79085	1/2	13	51053	2,1



PCS.	COD. PCS.	Descripción / *Description* / Description		MAT.
1	71851	Llaves de vaso / *Socket wrenches*	1/2", 8 mm	Titanio / *Titanium*
	71853		1/2", 10 mm	
	71584		1/2", 11 mm	
	71856		1/2", 13 mm	
	71860		1/2", 17 mm	
	71862		1/2", 19 mm	
	71865		1/2", 22 mm	
	71867		1/2", 24 mm	
	71870		1/2", 27 mm	
	71873		1/2", 30 mm	
	71875		1/2", 32 mm	
	72493	Alargadera / *Extension*	1/2", 100 mm	
	71785	Llave de carraca / *Ratchet handle*	1/2"	



DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *HANDSCHRAUBER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

COD.	mm	mm	mm	g
72071	50	3	75	50
71971	100			60
71969	150			65
71722	100	4		
72072	150			70
72073	100	5	90	
71723	150			75
72074	100	6		
72075	125		100	
71970	150	8	115	80
71724	200	10		90
71725	300			100



40

ANTI-MAGNÉTICA DE TITANIO
NON-MAGNETIC TITANIUM
AMAGNETIQUE EN TITANE
TITAN NICHT MAGNETISCH
ANTIMAGNETICO AL TITANIO
ANTI-MAGNÉTICO DE TITÂNIO
НЕМАГНИТНЫЙ ТИТАНОВЫЙ

NATO OTAN
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Management System
ISO 9001:2015
ISO 14001:2015
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to the Management Quality

COD.	mm	mm	g
72193	50	3	50
72194	100		
72195	150		60
72196	100	4	
72197	150		70
72198	100	5	
72199	150		
72200	100	6	
72201	125		75
72202	150	8	90
72203	200	10	100
72204	300		120



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Todo titanio / *All titanium* / Tout titane

PHILLIPS®*

COD.		mm	mm	g
71726	PH-0	75	75	50
71727	PH-1	100	90	55
71728	PH-2	150	110	70
71729	PH-3	200	115	80
71730	PH-4	250		100



COD.		mm	g
72205	PH-0	75	40
72206	PH-1	100	50
72207	PH-2	150	70
72208	PH-3	200	80
72209	PH-4	250	100



CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Todo titanio / *All titanium* / Tout titane

DESTORNILLADOR ACODADO / *OFFSET SCREWDRIVER* / TOURNEVIS CONTRE COUDÉ / *WINKELSCHRAUBENDREHER* / CACCIAVITE A SQUADRA / *CHAVE DE PARAFUSOS ANGULAR* / КОЛЕНЧАТАЯ ОТВЕРТКА

COD.	L (mm)	mm	g
72528	100	4 x 0,8	10
72529	150	6 x 1	25
72530	250	10 x 1,5	90

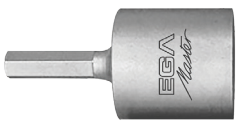


PUNTAS ATORNILLADORAS CON VASO / *SOCKET BITS* / EMBOUTS DE VISSAGE AVEC DOUILLE / *STECKSCHÜSSELEINSATZ* / INSERTI A BUSSOLA / *PONTAS APARAFUSADORAS COM CAIXA* / ГОЛОВКИ-БИТЫ

1/2"

HEXAGONAL / *HEXAGONAL* / HEXAGONALE / *HEXAGONAL* / ESAGONALE / *HEXAGONAL* / ШЕСТИГРАННАЯ

COD.	mm	L (mm)	g
74351	5	50	46
79810	6		
79811	8		
79812	10		



• *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)

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ANTI-MAGNÉTICA DE TITANIO
NON-MAGNETIC TITANIUM
AMAGNETIQUE EN TITANE
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НЕМАГНИТНЫЙ ТИТАНОВЫЙ

NATO OTAN — Commercial and Government Entity (NCAGE) Code / Código 8552B

TÜVRheinland CERTIFICADO — Management System ISO 9001:2015 ISO 14001:2015 — www.tuv.com ID 0910098046

to the Management Quality

MISCELÁNEA / *MISCELLANEOUS* / DIVERS / *VERSCHIEDENE* / MISCELLANEA / *MISTURA* / РАЗНОЕ

RAYADOR / *MARKING TOOL* / POINTE À TRACER / *MARKIERWERKEUG* / ATREZZO PER MARCARE / *RISCADOR* / МАРКИРОВОЧНЫЙ ИНСТРУМЕНТ

COD.	L (mm)	g
72531	200	12



BARRA PATA DE GALLO / *CROW BAR* / PINCE À LEVIER / *BRECHSTANGE* / BARRA A ZAMPA DI GALLO / *PÉ DE CABRA* / МОНТИРОВКА

COD.	L (inch)	g
72537	18	370



BARRA DE DESENCOFRAR / *WRECKING BAR* / PINCE MONSEIGNEUR / *BRECHEISEN* / APRICASSE CON LEVA CHIODI / *PE DE CABRA* / КРЮК

COD.	L (inch)	g
72538	18	750



PINZAS / *TWEEZERS* / BRUCELLES / *GREIFPINZETTEN* / PINZETTE DI PRECISIONES / *PINÇAS* / ПИНЦЕТЫ

COD.	L (mm)	g
71657	155	30



COD.	L (mm)	g
71658	155	30



COD.	L (mm)	g
71659	155	30



BOTADOR / *PIN PUNCH* / CHASSE-GOUPILLES / *SPLINTREIBER* / PUNTE / *PUNÇÃO* / ЦИЛИНДРИЧЕСКИЙ ПРОБОЙНИК

COD.	L (mm)	Ø (mm)	g
72077	110	2,5	25
72078		3	35
72079	120	4	
72080		5	45
72081	130	6	55



MARTILLO DE BOLA / *BALL PEIN HAMMER* / MARTEAU À BOULE / *SCHLOSSER HAMMER* / MARTELLO A PALLA / *MARTELO DE BOLA* / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD.	g
72083	450



TIJERA / *SCISSORS* / CISEAUX / *SCHEREN* / FORBICI / *TESOURA* / НОЖНИЦЫ

COD.	L (mm)	g
71889	225	180



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AMAGNETIQUE EN TITANE
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ANTIMAGNETICO AL TITANIO
ANTI-MAGNÉTICO DE TITÂNIO
НЕМАГНИТНЫЙ ТИТАНОВЫЙ

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CUCHILLOS / *KNIVES* / COUTEAUX / *MESSER* / COLTELLI / *FACAS* / НОЖИ

COD.	L (mm)	L (mm)	g
72509	225	100	75
72527	250	130	80



CINCEL / *FLAT CHISEL* / COUTEAU ET BEDANE / *MAURERMEISSEL* / SCALPELLI PER MURATORI / *ESCOPRO* / ПЛОСКОЕ ЗУБИЛО

COD.	L x W (mm)	g
72534	165 x 16	130
72535	125 x 22	



ESPÁTULA / *SCRAPER* / SPATULE / *SPACHTEL* / SPATOLA / *ESPATULA* / СКРЕБОК

COD.	mm	mm	g
72536	90	40	35



SET

COD.	PCS.
74392	7

PCS.	COD. PCS.	Descripción / *Description* / Description	
1	71648	Alicate telefonista / *Long nose plier*	180 mm
	71650	Alicate corte diagonal / *Diagonal cutting plier*	160 mm
	71655	Llave ajustable / *Adjustable wrench*	8"
	72073	Destornilladores electricista / *Electrician screwdrivers*	5 x 100
	71723		5 x 150
	71726	Destornilladores Phillips® / *Phillips® screwdriver*	PH-0
	71728		PH-2





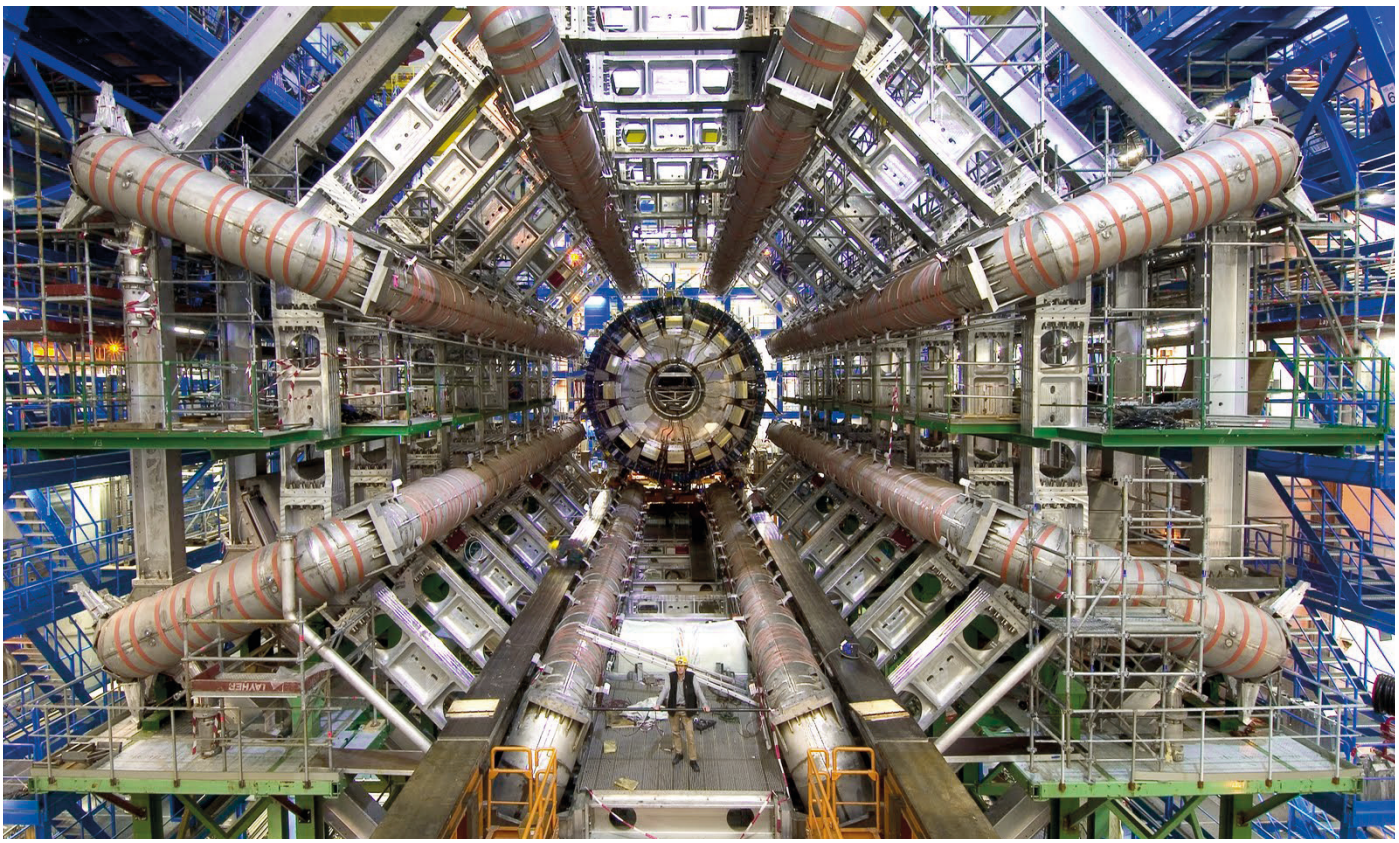
JUEGO UNIVERSAL / *UNIVERSAL SET* / SET UNIVERSELLE / *UNIVERSAL SET* / KIT UNIVERSALE / *JOGOS UNIVERSAIS* / УНИВЕРСАЛЬНЫЕ НАБОРЫ

25 PCS.

COD.	PCS.		Kg
79082	25	51056	4



PCS.	COD. PCS.	Descripción / *Description* / Description		MAT.
	71660	Llaves fijas / *Open-end wrenches*	6-7 mm	
	71968		8-9 mm	
	71825		10-11 mm	
	71824		12-13 mm	
	71890		14-15 mm	
	71826		16-17 mm	
	71827		18-19 mm	
	71973		20-22 mm	
	71975		24-27 mm	
	71977		30-32 mm	
	71647	Alicate universal / *Combination pliers*	200 mm	
	71656	Llave ajustable / *Adjustable wrench*	10"	
1	71712	Llaves hexagonales / *Hexagonal keys*	4 mm	Titanio / *Titanium*
	71713		5 mm	
	71714		6 mm	
	71972		7 mm	
	71715		8 mm	
	72044		9 mm	
	71716		10 mm	
	71971	Destornilladores electricista / *Electrician screwdrivers*	3 x 100 mm	
	71722		4 x 100 mm	
	72073		5 x 100 mm	
	72075		6 x 125 mm	
	71727	Destornilladores Phillips® / *Phillips® screwdriver*	PH1	
	71728		PH2	



41

HERRAMIENTA INOX
INOX (STAINLESS STEEL) TOOLS
OUTILLAGE INOX
INOX WERKZEUGE
UTENSILI INOX
FERRAMENTA INOX
ИНСТРУМЕНТ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ







INOX

Un mundo desarrollándose exponencialmente rápido, genera crecientes necesidades en materia de seguridad y aplicaciones de tecnología avanzada.

EGA Master ha desarrollado una nueva gama de herramientas de acero inoxidable para proporcionar soluciones a algunas de estas necesidades. El acero inoxidable 420 * contribuye a evitar contaminaciones, oxidación y cumplimiento de requisitos de sala blanca.

A world developing exponentially fast, creates increasing needs on safety and technologically advanced applications.

***EGA Master** has developed a new range of stainless steel tools to provide solutions to some of these needs. 420 * stainless steel contributes to avoid contaminations, rusting and complying with clean room environment requirements.*

Le monde en plein développement exponentiel, crée une augmentation des besoins en matiére de sécurité et applications de technologie avancées

EGA Master a développé une nouvelle gamme d'outillages en acier inoxidale pour apporter des solutions á certains de ces besoins. L'acier inoxidable 420 * contribue á éviter la contamination, oxidation en respectant les régles ambiantales des milieux extra sain.







* Los armarios portaherramientas inox están fabricados en acero inoxidable 430.
The stainless steel roller cabinets are made of 430 stainless steel.
Les servantes en inox sont fabriquées en acier inoxydable 430.



Propiedades requeridas *Property required* **Propriétés recommandées**	**Necesarias en** *Where needed* **Necessité dans**	**Sectores** *Sectors* **Secteurs**	**Porque no acero al carbón** *Why not carbon steel* **Pourquoi pas d'acier au carbonne**	**Porque acero inoxidable** *Why stainless steel* **Pourquoi acier inoxidable**
Tolerancia cero o baja a contaminación y partículas *Zero or low tolerance to contamination and particles* Tolérance base ou zéro á la contamination et aux particules	Producción esterilizada en entornos críticos *Sterile production in critical environments* Production stérilisé dans des milieux critiques	Laboratorios / *Laboratories* / Laboratoires Biotecnologia y biomedicina *Biotech and biomedical* Biotechnologie et biomedical Salas blancas / *Cleanrooms* / Chambres stétiles Farmacéuticas / *Pharmaceutical* / Pharmaceutique Producción de nutrientes *Nutrient production* Production alimentaire Industria nuclear *Nuclear industry* Industries nucléaires Producción de obleas de silicio *Silicone wafer production* Production de plaquettes de silicium Proceso de alimentos *Food processing* Process alimentaire Instalaciones en medios húmedos *Wet process facilities* Installation en milieux humides	Sólo pueden ser esterilizadas unas pocas decenas de veces, ya que el cromado utilizado para evitar que se oxiden se deteriorará, se descascarillará con el tiempo, contaminando el proceso. *They can only be sterilized few dozens of times, as the chrome plating used to avoid rust will deteriorate and chip off with time, contaminating the process* Ne peuvent être stérilisé qu'une dizaine de fois vu que le chromé utilisé évitant l'oxidation se détérioire et se déséquilibre avec le temps, contaminant le process	Los materiales y el acabado utilizados en su producción permiten su esterilización miles de veces. *Materials and finishing used in their production enables sterilizing them thousands of times* Les matériaux et la finition utilisé dans sa fabrication lui permette plus de 1000 stérilisation .
Evitar la oxidación prematura de piezas por la contaminación de partículas *Avoiding premature rust of parts by particle contamination* Évite l'échange d'oxidation de piéces par la contamination de particules	El uso de herramientas en componentes de acero inoxidable, tales como tornillos, tuercas, arandelas, tubos, barras, etc. *Using tools on Stainless Steel components such as screws, nuts, washers, pipes, bars, etc.* L'utilisation d'outils en acier inoxidables tout comme les vis, les écrous, rondelles, tubes, barres, ect.	Sector naval / *Ship building* / Secteur naval Construcción / *Construction* / Construction Fabricación / *Manufacturing* / Fabrication Automóvil / *Automotive* / Automobile Aeronáutica / *Aeronautics* / Aeronautique Aplicaciones marítimas *Marine applications* Application maritimes Estaciones de servicio y energía *Power* Station service et energétique Industria química *Chemical Industries* Industries chimiques	Las herramientas de acero al carbono pueden dejar pequeñas partículas sobre los componentes de acero inoxidable, los cuales se pueden contaminar, y oxidarse *Carbon steel tools can leave small particles on stainless steel components, which will get contaminated, and make them rust* Les outils en acier de carbonne peuvent laisser des petites particules sur les composants en acier inoxidables, qui peuvent etre contaminées et oxider	Las herramientas de acero inoxidable no contaminan otros componentes de acero INOX y, por lo tanto, no se produce su oxidación *Stainless steel tools will not contaminate other SS components and thus not make them get rusted* Les outils en aciers inoxidable ne contamineront les autres composant et par conséquent ne produiront aucune oxidation
Aumento de la vida útil de la herramienta *Increasing tool lifetime* Augmentation de la durée de vie utile des outils	Entornos corrosivos *Corrosive environments* Milieux corrosifs	Naval (buques / mantenimiento de barcos) *Naval (vessels / ship maintenance)* Naval (navires / manutention de bateaux) Subacuático / *Subaquatic* / Subaquatique Offshore (Petróleo & Gas / Energía eolica…) *Offshore (Oil & Gas / Wind Power…)* Offshore (pétrole & gaz / énergie éolienne) Plantas de energía nuclear *Nuclear Power plants* Plate-forme d'énergie nucléaire Industria química *Chemical industries* Industries chimique Entornos húmedos *Humid environments* Environements humide Proceso húmedo *Wet processing* Procesus humide Desalinización del agua *Water desalination* Évacuation des eaux Explotación salinera *Salt production* Exploitation des salines Plantas de tratamiento de aguas *Water treatment plants* Plate-forme du traitement des eaux	Las herramientas de acero al carbono, incluso cuando están cromados, se oxidarán rápidamente en áreas altamente corrosivas, dejándolas inutilizables y teniendo que reemplazarlas con frecuencia *Carbon steel tools, even when they are chrome plated, will rust quickly in highly corrosive areas, leaving them unusable and having to replace them frequently* Les outils en carbonne, inclus quand ils sont en polies s'oxideront de facon rapide dans des milieux hautement corosifs et les laissant inutilisables et par conséquent seront remplacés plus fréquemment	El acero inoxidable es un acero de bajo contenido en carbono enriquecido con un 10 % de cromo, que permite la formación de una capa de óxido de cromo invisible que protege el núcleo de la oxidación. Incluso cuando la capa está dañada químicamente o mecánicamente, el oxígeno del medio ambiente reparará la capa de nuevo *Stainless steel is a low carbon steel enriched with above 10% chromium, which allows the formation of an invisible chromium oxide layer that protects the core from rusting. Even when the layer is damaged chemically or mechanically, the oxygen of the environment will repair the layer again* L'acier inoxidale est un acier a faible composition en carbonne enrichi avec 10% de Chrome qui permet la formation d'une pelicule d'oxide de Chrome invisible qui protége de l'oxidation. Meme quand la pelicule est détérioré par un impact l'oxigéne du milieux ambiant repare la pelicule

Como ocurre con los aceros al carbono, hay docenas de diferentes aceros inoxidables y cada uno de ellos presenta diferentes propiedades para diferentes aplicaciones: algunos son más resistentes a la corrosión, otros son más resistentes a la tracción, otros más duros… Pero ninguno de ellos mejor en todo el conjunto de propiedades.

EGA Master ha elegido el acero inoxidable 420 para la fabricación de sus herramientas, ya que combina de manera óptima las diferentes propiedades requeridas para la fabricación y uso de herramientas de acero inoxidable:

As with carbon steels, there are dozens of different stainless steels, each of them presenting different properties for different applications. Some are more resistant to rust, some other are stronger, some harder… But non of them is best in all properties.

***EGA Master** has chosen 420 Stainless steel for the manufacturing its tools, as it combines optimally different properties required for manufacturing and use of stainless steel tools:*

Comme avec les aciers au carbonne, il existe une douzaine de différents aciers inoxidables, qui chacun d'entre eux presente différentes propriétés pour différentes applications. Certain sont plus résistant á la corrosión, d'autres plus résistant á la traction, d'autres plus dur… Mais aucun meilleur dans un ensemble de propriétés.

EGA Master a élu l'acier inoxidable 420 pour la fabrication de ses outils, vu qu'il associe de façon optimale les différentes propriétés requise pour la fabrication et l'utilisation d'outils en acier inoxidable:

Dureza / *Hardness* / **Dureté**	38-48 HRc
Resistencia a la tracción / *Tensile Strength* / **Resistence à la traction**	≥ 635 N/mm²

Propiedades / *Properties* / **Propriétés**	**Aplicación y beneficios** / *Aplication & benefits* / **Application et bénéfices**
Evita la contaminación / *Avoiding contamination* / Evite la contamination	No contaminación por hierro o cromo-níquel / *No iron or chrome-nickel contamination* / Pas de contamination de l'acier et Chrome-nikel
Esterilización / *Sterilization* / Stérilisation	Miles de procesos de esterilización / *Thousands of sterilizing processes* / 1000 process de stérilisation
Vida útil / *Durability* / Longévité	La dureza, resistencia y protección antioxido proporcionan mayor durabilidad / *Combination of hardness, resistance and antirust protection makes it most durable* / La dureté, resistance et protection antioxidante proportionne une plus grande longuevité
Coste / *Cost* / Coût	Siendo una aleación para su producción en serie, junto con sus buenas propiedades de fabricación hace que sea más rentable para la fabricación de herramientas / *Being a mass production alloy together with having good manufacturing properties makes it most cost effective for tool manufacturing* / En aléation á une fabrication en serie, et en conjunction avec ses excellentes propriétés de fabrication fait qu'il est plus rentable

MAT: 420		
Composición / *Composition* / **Composition**	C	0,16 - 0,25 %
	Mn	≤ 1,00 %
	Si	≤ 1,00 %
	Cr	12 % - 14 %

En **EGA Master** estamos seguros de que la prevención es la cura más eficaz no sólo para aumentar la seguridad, sino también desde el punto de vista de la reducción de costes. Eliminar el riesgo de transferencia ferrosa es un factor clave para aumentar la rentabilidad a largo plazo, mientras se mantienen la seguridad en procesos y personas.

*In **EGA Master** we are sure that prevention is the most effective cure not only for increased safety, but also from an cost effective point of view. Eliminating the risk of ferrous transfer is a key factor for increasing profitability on the long term, while keeping processes, and people, safe.*

Chez **EGA Master** nous sommes sûr que la prévention est le reméde le plus efficace pour augmenter la sécurité, mais aussi d'un point de vue de reduction de coût. Eliminer le risque de transfert ferreux est un facteur clef pour augmenter la rentabilité a long therme, tout en maintenant la sécurité du process et des personnes.

PRECAUCIONES
CAUTION
PRÉCAUTIONS

Estas herramientas no están clasificadas como antimagnéticas, sino que se trata de herramientas fabricadas en acero inoxidable martensítico-ferromagnético cuya permeabilidad magnética es muy superior a la unidad.

These tools are not classified as non-magnetic but tools made of martensitic - ferromagnetic stainless steel whose magnetic permeability is much higher than the unit.

Cet outillage n'est pas classé comme antimagnétique, il s'agit d'un outillage fait en acier inoxydable martensitique-ferromagnétique dont la perméabilité magnétique est très supérieure à l'unité.

ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	L (mm)	g
38137	160	230
38667	170	250
38138	200	360



BOCA PLANA / *FLAT NOSE* / BEC PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ

COD.	L (mm)	g
38139	160	90



BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ

COD.	L (mm)	g
38140	160	70



TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

COD.	L (mm)	g
38141	160	90
38142	200	150



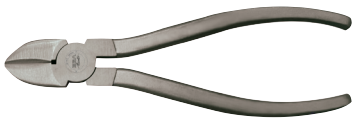
TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

COD.	L (mm)	g
38143	160	80
38144	200	150



CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	L (mm)	g
38145	160	120
38668	200	200



CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ

COD.	L (mm)	g
38146	180	190
38669	200	230



CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ

COD.	L (mm)	g
38147	160	170



CORTE FRONTAL ELECTRICISTA / *END CUTTING NIPPER (ELECTRICIAN)* / COUPANTES DEVANT ELECTRICIEN / *ELEKTRIKER VORSCHNEIDER* / TAGLIO FRONTALE PER ELETTRICISTI / *CORTE FRONTAL ELECTRICISTA* / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)

COD.	L (mm)	g
38670	150	170
38148	200	260



PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ

COD.	L (mm)	g
38149	160	120



BIMAT

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	L (mm)	g
38000	160	230
38001	180	280
38002	200	360



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

BOCA PLANA / *FLAT NOSE* / BEC PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ

COD.	L (mm)	g
38003	160	170



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ

COD.	L (mm)	g
38004	160	150



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

COD.	L (mm)	g
38005	160	170
38006	200	230



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

COD.	L (mm)	g
38007	160	160
38008	200	230



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

BOCA AGUJA / *LONG NEEDLE NOSE* / LONG BECS DEMI-RONDS / *FLACHZANGE MIT LANGEM MAUL* / BECCHI TONDI AFFUSOLATI / *PONTAS AGULHA* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	L (mm)	g
38086	160	110



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	L (mm)	g
38009	160	200
38010	190	230



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ

COD.	L (mm)	g
38011	180	270
38012	200	340



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ

COD.	L (mm)	g
38013	160	250



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE FRONTAL ELECTRICISTA / *END CUTTING NIPPER (ELECTRICIAN)* / COUPANTES DEVANT ELECTRICIEN / *ELEKTRIKER VORSCHNEIDER* / TAGLIO FRONTALE PER ELETTRICISTI / *CORTE FRONTAL ELETRICISTA* / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)

COD.	L (mm)	g
38014	160	250
38015	200	340



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

PELACABLES / *WIRESTRIPPER* / PINCES À DÉNUDER / *ABISOLIERZANGEN* / PINZE SPELAFILI / *DECAPADORES* / КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ

COD.	L (mm)	g
38016	160	200



BMAT | Modelo registrado / *Registered model* / Modèle enregistré

ALICATES CIRCLIP / *CIRCLIPS PLIERS* / PINCES POUR CIRCLIPS / *ZANGEN FÜR SICHERUNGSRINGE* / PINZE PER ANELLI / *ALICATES FREIOS* / СЪЕМНИК КОЛЕЦ

EXTERIOR RECTO / *EXTERNAL STRAIGHT* / EXTERIEUR DROIT / *AUSSENSICHERUNGSRINGE, GERADE* / DIRITTA PER ESTERNI / *EXTERIOR DIREITO* / НАРУЖНЫЕ ПРЯМЫ

COD.	L (mm)	O.D. mm	g
38914	140	3-10	190
38915		8-25	
38916		10-25	
38890	200	19-60	290
38917	250	40-100	420



EXTERIOR CURVO / *EXTERNAL BENT* / EXTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATO PER ESTERNI / *EXTERIOR CURVO* / НАРУЖНИЕ ИЗОГНУТЫЕ

COD.	L (mm)	O.D. mm	g
38918	140	3-10	190
38919		8-25	
38920		10-25	
38892	200	19-60	290
38921	250	40-100	420



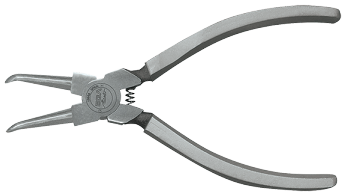
INTERIOR RECTO / *INTERNAL STRAIGHT* / INTERIEUR DROIT / *INNENSICHERUNGSRINGE, GERADE* / DIRITTO PER INTERNI / *INTERIOR DIREITO* / ВНУТРЕННИЕ ПРЯМЫЕ

COD.	L (mm)	O.D. mm	g
38441	140	8-13	190
38442		12-25	
38891	200	19-60	290
38609	250	40-100	420



INTERIOR CURVO / *INTERNAL BENT* / INTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATTO PER INTERNI / *INTERIOR CURVO* / ВНУТРЕННИЕ ИЗОГНУТЫЕ

COD.	L (mm)	O.D. mm	g
38234	140	8-13	190
38272		12-25	
38893	200	19-60	290
38273	250	40-100	420



ALICATES MINIS / *MINI PLIERS* / PINCES MINI / *MINI ZANGEN* / PINZE MINI / *ALICATES MINI* / ПЛОСКОГУБЦЫ МИНИ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	L (mm)	g
38081	125	90



BOCA PLANA / *FLAT NOSE* / BEC PLATS / *FLACHZANGEN* / BECCHI PIATTI / *PONTAS CHATAS* / УТКОНОСЫ

COD.	L (mm)	g
38082	130	70



BOCA REDONDA / *ROUND NOSE* / BECS RONDS / *RUNDZANGEN* / BECCHI TONDI / *PONTAS REDONDAS* / КРУГЛОГУБЦЫ

COD.	L (mm)	g
38083	130	80



TELEFONISTA / *LONG NOSE* / TÉLÉPHONE / *TELEFONZANGEN* / TELEFONISTI / *TELEFONISTA* / С УДЛИННЕННЫМИ НОСАМИ

COD.	L (mm)	g
38084	130	70



TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

COD.	L (mm)	g
38085	130	80



CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	L (mm)	g
38087	115	70



CORTE DIAGONAL TRIANGULAR / *DIAGONAL CUTTING TRIANGULAR* / COUPANTES DIAGONALE TRIANGULAIRE / *SEITENSCHNEIDER* / TAGLIO LATERALE TRIANGOLARE / *CORTE DIAGONAL TRIANGULAR* / БОКОРЕЗЫ ТРЕУГОЛЬНЫЕ

COD.	L (mm)	g
38088	115	80



CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ

COD.	L (mm)	g
38089	110	65



TENAZAS / *PINCERS* / TENAILLES / *ZANGE* / TENAGLIE / *ALICATES* / КЛЕЩИ

DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / ШАРНИРНЫЕ

COD.	L (inch)	g
38066	10	320
38067	12	515

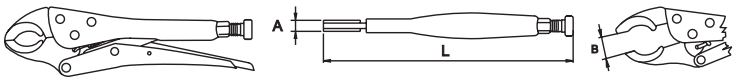


PICO DE LORO / *GROOVE JOINT* / MULTIPRISE À CRÉMAILLÈRE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / КЛЕЩИ ЖЕЛОБКОВОГО ТИПА

COD.	L (inch)	g
38176	10	360
38177	12	610



GRIP / *GRIP* / PINCE ÉTAU / *GRIPZANGE* / PINZE GRIP / *PRESSÃO* / СТРУБЦИНА



COD.	L (inch)	L (mm)	A (mm)	B (mm)	g		
38178	10	225	12	40	480	8	●



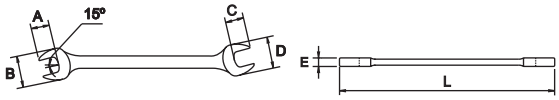
LLAVES / *WRENCHES* / CLÉS / *SCHLÜSSEL* / CHIAVI / *CHAVES* / КЛЮЧИ

LLAVE AJUSTABLE / *ADJUSTABLE WRENCH* / CLÉ À MOLETTE / *ROLLGABELSCHÜSSEL* / CHIAVE REGOLABILI A RULLINO / *CHAVE AJUSTAVEL* / РАЗВОДНЫЕ КЛЮЧИ



COD.	L (inch)	L (mm)	AF mm	g
38929	6	150	19	135
38171	8	200	24	240
38172	10	250	28	445
38173	12	300	34	680
38930	15	375	46	1400
38931	18	450	55	2000
38932	24	600	65	4700

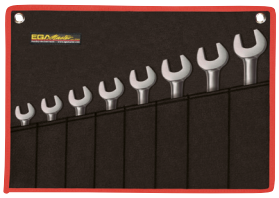
LLAVES FIJAS / *OPEN-END WRENCHES* / CLÉS À FOURCHE / *GABELSCHLÜSSEL* / CHIAVI FISSE / *CHAVES DUAS BOCAS* / РОЖКОВЫЕ КЛЮЧИ





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g
38622	6-7	90	6	16	7	14	4	19
38623	8-9	100	8	18	9	24	5	38
38624	10-11	120	10	27	11		5,5	56
38625	12-13	130	14	31	12	27	6	60
38626	14-15	150	17	37	14	31	6,5	95
38627	16-17	165			19	41	7,5	140
38650	18-19		18					
38621	19-22	180	19	41	22	47	8,5	190
38651	20-22		20					
38652	21-23	210	21	47	23	51	9	250
38628	22-24		22		24			
38653	24-26	230	24	51	26	57	9,5	320
38943	24-27				27			
38654	25-28		25		28			
38944	27-29	250	27	57	29	64	10	350
38656	27-30				30			410
38655	27-32				32	67		420
38606	32-36	290	32	67	36	75	11	650
38607	36-41	310	36	75	41	85	12	870
38608	38-42				42			851

SET



COD.	PCS.		g
38629	8	90053	900

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	38622, 38623, 38624, 38625, 38626, 38627, 38650, 38621	Llave fija INOX / *Open-end wrench INOX*	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 19-22

FIJA UNA BOCA / *SINGLE ENDED OPEN JAW SPANNER* / À FOURCHE SIMMPLE / *EINMAULSCHLÜSSEL* / FISSE SEMPLICE / *FIXA DE UMA BOCA* / ОДНОРОЖКОВЫЙ КЛЮЧ



COD.	AF mm	L (mm)	g
38887	7	95	40
38894	10	105	50
38895	12	125	65
38896	14	140	95
38897	16	160	100
38898	17		105
38899	18	170	120
38900	19		130
38901	24	220	190

COD.	AF mm	L (mm)	g
38902	27	240	285
38903	30	260	320
38904	32	275	400
38885	34	290	470
38905	36	310	500
38906	41	345	580
38907	46	375	900
38908	50	410	1150
38886	55	450	1400
38909	60	490	2000
38910	65	530	2800
38911	70	570	3000
38912	75	610	3500

LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *GABEL RINGSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАННЫЕ КЛЮЧИ

MM



COD.	AF mm	L (mm)	g
38090	6	115	10
38091	7		20
38092	8		
38093	9	140	30
38094	10		
38095	11	160	40
38096	12		50
38097	13	180	60
38098	14		70
38099	15	200	80
38100	16		90
38101	17		110
38102	18	225	120
38103	19		140
38104	20	250	170
38105	21		180
38106	22		200
38107	23	270	220
38108	24		260
38109	25	290	300
38110	26		310
38111	27		340
38112	28	320	380
38113	29		390
38114	30		430
38115	32	350	550
38195	36	360	690

INCH



COD.	AF inch	L (mm)	g
38116	1/4	115	17
38117	5/16	140	
38118	11/32		38
38119	3/8		
38121	13/32		
38120	7/16	160	
38122	1/2	180	48
38123	9/16		70
38124	5/8	200	120
38125	11/16		
38126	3/4	225	150

COD.	AF inch	L (mm)	g
38127	13/16	250	210
38128	25/32		
38129	7/8		
38130	15/16	270	260
38131	31/32	290	
38132	1		
38133	1.1/16		320
38134	1.1/8	320	400
38135	1.3/16		
38136	1.1/4	350	525
38168	1.3/8	360	710
38169	1.1/2	380	990

SET

MM

COD.	PCS.		g
38216	8	90081	400

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	38092, 38093, 38094, 38095, 38096, 38097, 38098, 38099	Llave combinada INOX / *Combination wrench INOX*	8-9-10-11-12-13-14-15



INCH

COD.	PCS.		g
38217	8	90081	380

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	38117, 38118, 38119, 38120, 38121, 38122, 38123, 38124	Llave combinada INOX / *Combination wrench INOX*	5/16"-11/32"-3/8"-13/32"-7/16"-1/2"-9/16"-5/8"



LLAVE COMBINADA DE CARRACA / *COMBINATION RATCHET WRENCH* / CLÉ MIXTE À CLIQUET / *RATSCHEN-RINGGABELSCHLÜSSEL* / CHIAVE COMBINATA A CRICCO / *CHAVE DE BOCA E LUNETA COM ROQUETE* / КЛЮЧ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ

COD.	AF mm	L (mm)	g
38174	19	280	240
38175	24	500	290
38219	27		300



LLAVES ACODADAS / *DOUBLE OFFSET RING WRENCHES* / CLÉS POLYGONALES CONTRE-COUDÉES / *RINGSCHLÜSSEL* / CHIAVI POLIGONALI / *CHAVES LUNETA* / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

COD.	AF mm	L (mm)	g
38823	6-7	170	47
38842	8-9	190	105
38843	10-11	200	155
38844	12-13	220	165
38845	14-15	255	170
38469	16-17	280	180
38846	18-19		270
38847	20-22	320	350
38876	21-23		355
38881	24-26	340	460
38882	25-28	350	510
38883	30-32	370	655
38888	32-36	430	950
38889	38-42	470	1210



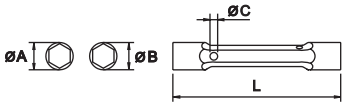
KIT DEMO 6 LLAVES / *6 SPANNER DEMO KIT* / KIT DÉMO. 6 CLÉS / *DEMOKIT 6 SCHLÜSSEL* / KIT 6 CHIAVI DI DIMOSTRAZIONE / *KIT DEMO 6 CHAVES* / ДЕМО НАБОР 6 КЛЮЧЕЙ

COD.	g
69342	300



COD. PCS.		mm
61727	Aerospacial / *Aerospatial*	8
38092	INOX	
73062	1000V	
70172	Cu-Be	
70684	Al-Bron	
71669	Titanio / *Titanium*	

DE TUBO DOBLE BOCA / *SOCKET DOUBLE ENDED WRENCH* / CLÉ À TUBE FORGÉE DROITE / *DOPPEL-STECKSCHLÜSSEL* / CHIAVI A TUBO / *DIRITTE TUBOLARES BOCA DUPLA* / ДВОЙНАЯ ГОЛОВКА





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
36709	6-7	105	13	13	4	70	10	●
38192	8-9	115	14	16		90		
38194	7-10			17		100		
36710	10-11	120	17	18	5	110		
36711	12-13	140	19	20	6	170		
36712	14-15		22	23	8	255		
36713	16-17	155	24	26	9	440		
36714	18-19	165	27	29	11	520		
36715	20-22	175	30	33	12	630		
36716	21-23	185	31	34		670		
36717	24-26	195	35	37	13	870	6	-
36718	24-27							
36719	25-28	205	36	40		965		
36720	27-29	210	39	42		1000		
36721	30-32		43	45		1300		

LLAVE HEAVY DUTY / *HEAVY DUTY PIPE WRENCH* / CLÉ SERRE-TUBES HEAVY DUTY / *HEAVY DUTY ROHRZANGE* / GIRATUBI MODELLO AMERICANO PESANTE / *CHAVE HEAVY DUTY* / ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК



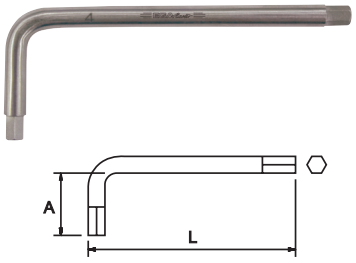
COD.	L (inch)	CAP. (inch)	Kg
38922	6	3/4	0,4
38923	8	1	
38924	10	1.1/2	0,7
38925	12	2	1,1
38926	14		1,3
38927	18	2.1/2	1,5
38928	24	3	2,3

LLAVES HEXAGONALES / *HEXAGONAL KEYS* / CLÉS MÂLES / *INBUSSCHLÜSSEL* / CHIAVI ESAGONALI / *CHAVES HEXAGONAIS* / ШЕСТИГРАННЫЕ КЛЮЧИ

STANDARD

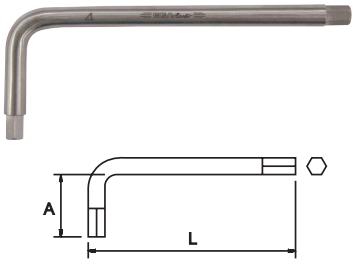
MM

COD.	AF mm	L (mm)	A (mm)	g
38170	1,5	47	16	5,0
38186	2	52	18	
38036	2,5	55		
38037	3	65	20	10
38038	3,5			
38039	4	70	25	
38233	4,5	85	28	20
38040	5		30	
38041	6	90	32	30
38042	7	95	34	40
38043	8	100	36	60
38044	9	105	38	80
38045	10	110	40	110
38046	11	120	42	150
38047	12	125	45	170
38657	14	160	55	360
38658	17	180	65	550



INCH

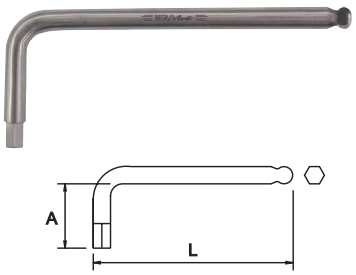
COD.	AF inch	L (mm)	A (mm)	g
38605	1/16	45	14	3,0
38603	5/64	50	16	3,3
38604	3/32	60	18	4,0
38589	1/8	65	20	10
38590	9/64	75	25	15
38591	5/32			
38592	3/16	85	28	40
38593	7/32	95	32	
38594	1/4	100	34	
38595	5/16	110	36	
38596	3/8	115	38	50



STANDARD CON PUNTA DE BOLA / *STANDARD BALLPOINT* / STANDARD EMBOUT SPHÉRIQUE / *KUGELKOPF- WINKELSCHRAUBER* / STANDARD CON PUNTA A SFERA / *STANDARD COM BOLA* / СТАНДАРТНЫЙ С ШАРИКОВОЙ ГОЛОВКОЙ

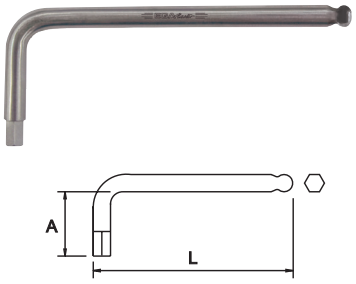
MM

COD.	AF mm	L (mm)	A (mm)	g
38597	1,5	45	14	3,3
38598	2,5	55	18	
38599	3	60	20	8
38600	4	70	25	14
38601	6	90	32	35
38602	10	112	40	135



INCH

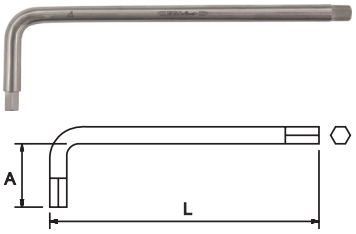
COD.	AF inch	L (mm)	A (mm)	g
38948	1/16	47	14	2,5
38949	5/64	55	16	
38950	3/32	60	18	3
38951	7/64	65	20	5
38952	1/8			10
38953	9/64	75	25	
38954	5/32			
38955	3/16	85	28	20
38956	7/32	95	32	25
38957	1/4	105	34	40
38958	5/16	110	36	80
38959	3/8	115	38	120
38960	1/2	155	55	200



SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ

MM

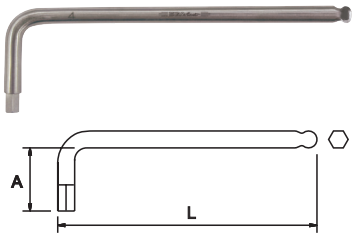
COD.	AF mm	L (mm)	A (mm)	g
38048	2,5	105	18	10
38049	3	110	20	
38206	3,5	125	25	20
38050	4	120		
38051	5	130	28	30
38052	6	145	32	50
38053	7	155	34	70
38054	8	160	36	100
38055	9	175	38	150
38056	10	180	40	180
38057	11	190	42	250
38058	12	200	45	290



BOLA SERIE LARGA / *LONG PATTERN BALLPOINT* / SÉRIE LONGUE À TÊTE SPHÉRIQUE / *KUGELKOPF- INBUSSCHLÜSSEL* / SERIE LUNGA CON TESTA SFERICA / *ESFERICAS, SERIE LONGA* / ДЛИННЫЙ С ШАРОВОЙГОЛОВКОЙ

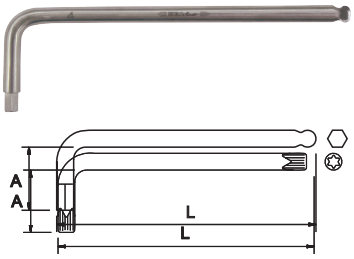
MM

COD.	AF mm	L (mm)	A (mm)	g
38640	1,5	92	16	6
38641	2	102	18	
38642	2,5	114	21	7
38643	3	129	23	14
38659	3,5	140	26	20
38644	4	144	29	24
38645	5	165	33	38
38646	5,5			50
38647	6	185	38	60
38660	7	196	41	100
38648	8	208	44	140
38661	9	219	47	150
38649	10	234	50	160
38662	11	247	53	170
38663	12	262	57	210
38664	14	294	70	380
38665	17	337	80	560



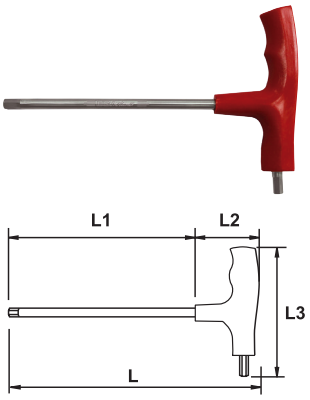
INCH

COD.	AF inch	L (mm)	A (mm)	g
38618	1/16	90	14	10
38965	5/64	100	16	
38966	3/32	110	18	
38967	7/64	130	20	15
38968	1/8			20
38969	9/64	145	25	
38970	5/32			
38971	3/16	160	28	40
38972	7/32	185	32	50
38973	1/4	195	34	75
38974	5/16	210	36	150
38975	3/8	230	38	220
38976	1/2	290	55	350



CON MANGO EN T / *T-HANDLE* / AVEC POIGNÉE EN T / *T-GRIFF* / CON IMPUGNATURA A T / *COM CABO EM T* / Т-РУЧКА

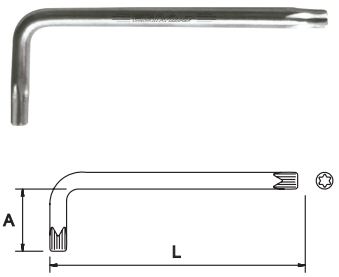
COD.	mm	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	g
38630	2,5	175	115	60	110	35
38631	3					40
38632	4					50
38639	5					60
38633	5,5	185	125			75
38634	6					100
38635	7					120
38636	8					135
38637	9					155
38638	10					180



TORX®*

STANDARD

COD.		L (mm)	A (mm)	g
38848	T-6	36	13	2,2
38849	T-7	38	14	2,4
38850	T-8	40	15	2,8
38851	T-9	43	16	3,1
38852	T-10	47	18	3,8
38853	T-15	54	20	6
38854	T-20	64	22	8
38855	T-25	70	25	10
38856	T-27	79	26	17
38857	T-30	89	32	23
38858	T-35	93	34	32
38859	T-40	98	37	44
38860	T-45	108	41	55
38861	T-50	123	45	70

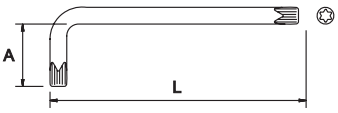


- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ

COD.		L (mm)	A (mm)	g
38862	T-6	54	13	3
38863	T-7	58	14	3,3
38864	T-8	61	15	3,8
38865	T-9	63	16	4,2
38866	T-10	68	18	5
38867	T-15	79	20	8
38868	T-20	90	22	11
38869	T-25	98	25	13
38870	T-27	108	26	22
38871	T-30	117	32	28
38872	T-35	122	34	39
38873	T-40	128	37	55
38874	T-45	147	41	70
38875	T-50	160	45	85





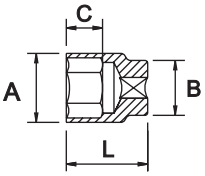
LLAVES DE VASO / *SOCKET WRENCHES* / DOUILLES / *STECKSCHLÜSSEL* / BUSSOLE DOPPEN / *CHAVES DE CAIXA* / ГОЛОВКИ

1/4"

STANDARD

MM

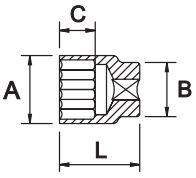
6 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38235	4	23	7	12	15	6	20
38236	5		8				
38237	6		10				
38238	7		12				30
38239	8						
38240	9		15	15			
38241	10						
38242	11	25	17	17	17		40
38243	12						
38244	13		19	19			50
38245	14		20	20			



12 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38403	4	23	7	12	15	12	20
38404	5		8				
38405	6		10				
38406	7		12				30
38407	8						
38408	9		15	15			

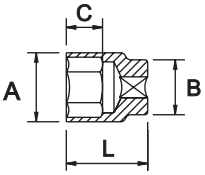


1/4"

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38409	10	23	15	15	15	12	30
38410	11	25	17	17	17		40
38411	12						
38412	13		19	19			50
38413	14		20	20			

INCH

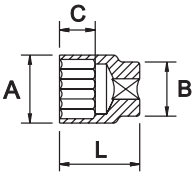
6 PT.





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38246	3/16	23	9	12	15	6	20
38247	7/32						
38248	1/4		10				
38249	5/16		12				30
38250	3/8		15	15			
38251	7/16	25	17	17	17		40
38252	1/2		19	19			50
38253	9/16		21	21			

12 PT.





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38414	3/16	23	9	12	15	12	20
38415	7/32						
38416	1/4		10				
38417	5/16		12				30
38418	3/8		15	15			
38419	7/16	25	17	17	17		40
38420	1/2		19	19			50
38421	9/16		21	21			

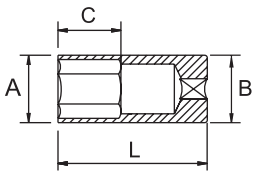
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
TÜVRheinland CERTIFICADO
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

1/4"

SERIE LARGA / *LONG PATTERN* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ДЛИННЫЙ**

MM

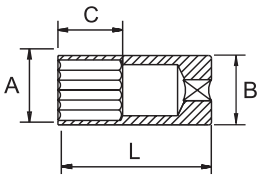
6 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38254	4	50	12	12	13	6	30
38255	5						
38256	6						
38257	7						
38258	8		15	15			40
38259	9						
38260	10						50
38261	11		17	17			60
38262	12		19	19			
38204	13						
38263	14		21	21			80



12 PT.



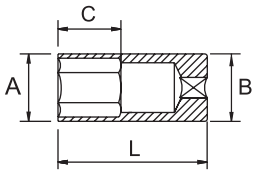
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38422	4	50	12	12	13	12	30
38423	5						
38424	6						
38425	7						
38426	8		15	15			40
38427	9						
38428	10						50
38429	11		17	17			60
38430	12		19	19			
38431	13						
38432	14		21	21			80



1/4"

INCH

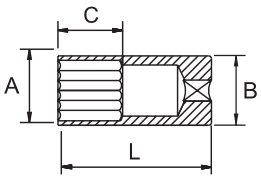
6 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38264	3/16	50	12	12	13	6	30
38265	7/32						
38266	1/4						
38267	5/16						
38268	3/8		15	15			50
38269	7/16		17	17			60
38270	1/2		19	19			
38271	9/16		21	21			90



12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38433	3/16	50	12	12	13	12	30
38434	7/32						
38435	1/4						
38436	5/16						
38437	3/8		15	15			50
38438	7/16		17	17			60
38439	1/2		19	19			
38440	9/16		21	21			90



LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТК



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g	
38203	1/4	200	32	15	27	260	1



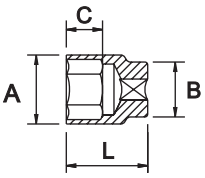
ALARGADERA / *EXTENSION* / RALLONGE / *VERLANGERUNG* / PROLUNGA / *EXTENCAO* / УДЛИНИТЕЛЬ

COD.	AF inch	L (inch)	g	
38231	1/4	3	60	1



NATO OTAN
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to the Management Quality

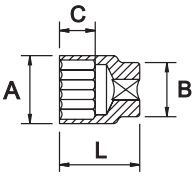
- 3/8"
- STANDARD
- MM
- 6 PT.





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38274	6	31	11	21	20	6	40
38275	7		12				
38276	8		13				50
38277	9		14				
38278	10		15				
38279	11		16				70
38280	12		17				
38281	13		18				
38282	14		21				90
38283	15	34	22	22			
38284	16						100
38285	17		24	24			110
38286	19		26	25			120
38287	20	38	27		22		
38288	22		30				

- 12 PT.





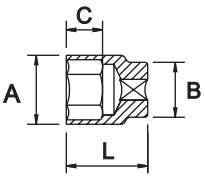
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38443	6	31	11	21	20	12	40
38444	7		12				
38445	8		13				50
38446	9		14				
38447	10		15				
38448	11		16				70
38449	12		17				
38450	13		18				
38451	14		21				90
38452	15	34	22	22			
38453	16						100
38454	17		24	24			110
38455	19		26	25			120
38456	20	38	27		22		
38457	22		30				

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3/8"

INCH

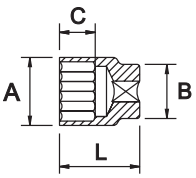
6 PT.





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38289	1/4	31	11	21	20	6	30
38290	5/16		13				40
38291	3/8		15				50
38292	7/16		16				
38293	1/2		18				70
38294	9/16		21				90
38295	5/8	34	22	22			
38296	11/16		24	24			100
38297	3/4		26	25	22		110
38298	13/16	38	28				120
38616	1	40	36		24		130

12 PT.

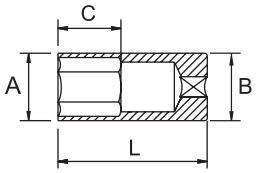




COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38458	1/4	31	11	21	20	12	30
38459	5/16		13				40
38460	3/8		15				50
38461	7/16		16				
38462	1/2		18				70
38463	9/16		21				90
38464	5/8	34	22	22			
38465	11/16		24	24			100
38466	3/4		26	25	22		110
38467	13/16	38	28				120
38468	1	40	36		24		130

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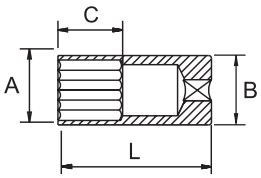
- 3/8"
- SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ
- MM
- 6 PT.





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38301	6	60	11	21	21	6	110
38302	7		12				
38303	8		13				
38304	9	65	14				
38305	10		15				
38306	11		16				
38307	12		17				
38308	13		18				
38309	14		21				
38310	15	70	22	22			120
38311	16						
38312	17		24	24			140
38313	19		26	25			160
38314	20		27		26		
38315	22		30				200

- 12 PT.





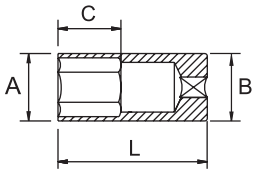
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38470	6	60	11	21	21	12	110
38471	7		12				
38472	8		13				
38473	9	65	14				
38474	10		15				
38475	11		16				
38476	12		17				
38477	13		18				
38478	14		21				
38479	15	70	22	22			120
38480	16						
38481	17		24	24			140
38482	19		26	25			160
38483	20		27		26		
38484	22		30				200

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3/8"

INCH

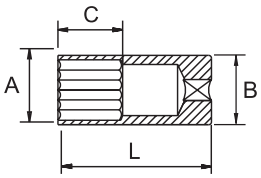
6 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38316	1/4	60	11	21	21	6	110
38317	5/16		13				
38318	3/8	65	15				
38319	7/16		16				
38320	1/2		18				
38321	9/16		21				
38322	5/8	70	22	22			120
38323	11/16		24	24			140
38324	3/4		26	25			160
38325	13/16		28		26		200
38619	1		36				220



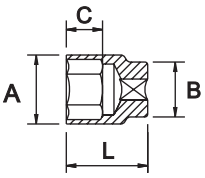
12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38485	1/4	60	11	21	21	12	110
38486	5/16		13				
38487	3/8	65	15				
38488	7/16		16				
38489	1/2		18				
38490	9/16		21				
38491	5/8	70	22	22			120
38492	11/16		24	24			140
38493	3/4		26	25			160
38494	13/16		28		26		200
38620	1		36				220



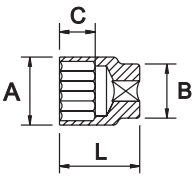
- 1/2"
- STANDARD
- MM
- 6 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38326	6	38	12	24	23	6	40
38327	7						
38328	8		13				50
38329	9		14				
38330	10		15				60
38331	11		16				
38332	12		18				
38187	13		19				
38333	14		20				70
38334	15		21				
38335	16		24				
38188	17		25	25			80
38336	18		26	26			90
38189	19		27				100
38337	20		28				
38338	21		29				
38190	22		30				110
38339	23		32				150
38198	24		33				
38340	25		36	28			160
38341	26						
38199	27	40	37	29			170
38342	28		38	30			
38343	29		40	31			190
38221	30						200
38222	32		43	32			230
38223	36	43	50	37			300



- 12 PT.



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38495	6	38	12	24	23	12	60
38496	7						
38497	8		13				55
38498	9		14				
38499	10		15				58
38500	11		16				
38501	12		18				60
38502	13		19				
38503	14		20				
38504	15		21				

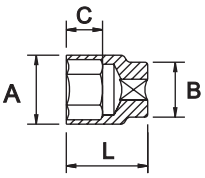


1/2"

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38505	16	38	24	24	23	12	70
38506	17		25	25			80
38507	18		26	26			
38508	19		27				100
38509	20		28				75
38510	21		29				80
38511	22		30				110
38512	23		32				150
38513	24		33				
38514	25		36	28			160
38515	26						
38516	27	40	37	29			170
38517	28		38	30			
38518	29		40	31			190
38519	30						200
38520	32		43	32			230
38521	36	43	50	37			300

INCH

6 PT.

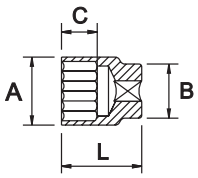


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38344	1/4	38	12	24	23	6	40
38345	5/16		13				50
38346	3/8		15				60
38347	7/16		16				
38348	1/2		19				
38349	9/16		20				70
38350	19/32		22				
38351	5/8		24				
38352	11/16		25	25			80
38353	3/4		27				
38354	25/32		28				90
38355	13/16		29				
38356	7/8		30				110
38357	15/16		33	26			150
38358	1		35	28			160
38359	1.1/16	40	36	29			170
38360	1.1/8		40	31			190
38361	1.3/16						
38362	1.1/4		43	32			230
38363	1.7/16	43	50	37			300



1/2"

12 PT.



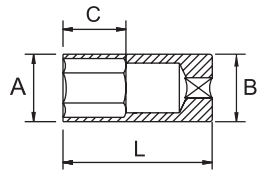


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38522	1/4	38	12	24	23	12	40
38523	5/16		13				50
38524	3/8		15				60
38525	7/16		16				
38526	1/2		19				
38527	9/16		20				70
38528	19/32		22				
38529	5/8		24				
38530	11/16		25	25			80
38531	3/4		27				
38532	25/32		28				90
38533	13/16		29				
38534	7/8		30				110
38535	15/16		33	26			150
38536	1		35	28			160
38537	1.1/16	40	36	29			170
38538	1.1/8		40	31			190
38539	1.3/16						
38540	1.1/4		43	32			230
38541	1.7/16	43	50	37			300

SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЙ

MM

6 PT.



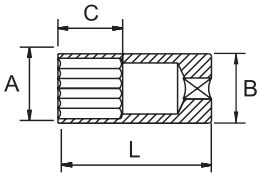


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38364	6	85	12	24	29	6	160
38365	7						
38366	8		13				
38367	9		14				
38368	10		15				
38369	11		16				
38370	12		18				
38371	13		19				
38372	14		20				
38373	15		21				170
38374	16		24				
38224	17		25	25			180
38375	18		26	26	32		190
38205	19		27				220
38376	20		28				
38377	21		29				
38225	22		30				230

1/2"

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38378	23	85	32	26	32	6	250
38226	24		33	27			270
38379	25		35	28			330
38380	26						
38227	27		36	29			340
38381	28		38	30			360
38382	29		40	31			370
38228	30						
38229	32		43	32			
38230	36		50	37			390

12 PT.





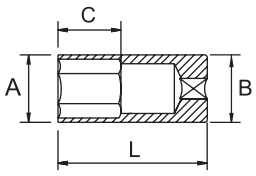
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38542	6	85	12	24	29	12	160
38543	7						
38544	8		13				
38545	9		14				
38546	10		15				
38547	11		16				
38548	12		18				
38549	13		19				
38550	14		20				
38551	15		21				170
38552	16		24				
38553	17		25	25			180
38554	18		26	26			190
38555	19		27				220
38556	20		28				
38557	21		29				
38558	22		30				230
38559	23		32				250
38560	24		33	27	32		270
38561	25		35	28			330
38562	26						
38563	27		36	29			340
38564	28		38	30			360
38565	29		40	31			370
38566	30						
38567	32		43	32			
38568	36		50	37			390

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to the Management Quality

1/2"

INCH

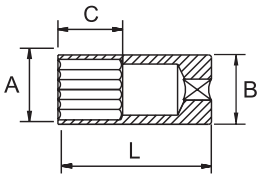
6 PT.





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38383	1/4	85	12	24	29	6	160
38384	5/16		13				
38385	3/8		15				170
38386	7/16		18				180
38387	1/2		19				
38388	9/16		21				
38389	19/32		24				
38390	5/8						
38391	11/16		26	26			190
38392	3/4		27				220
38393	25/32		28				
38394	13/16		29				
38395	7/8		30				240
38396	15/16		33				270
38397	1		35	28	32		330
38398	1.1/16		36	29			350
38399	1.1/8		40	31			370
38400	1.3/16		43	32			
38401	1.1/4						
38402	1.7/16		50	37			390

12 PT.





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38569	1/4	85	12	24	29	12	160
38570	5/16		13				
38571	3/8		15				170
38572	7/16		18				180
38573	1/2		19				
38574	9/16		21				
38575	19/32		24				
38576	5/8						
38577	11/16		26	26			190
38578	3/4		27				220
38579	25/32		28				
38580	13/16		29				
38581	7/8		30				240
38582	15/16		33				270
38583	1		35	28	32		330
38584	1.1/16		36	29			350
38585	1.1/8		40	31			370
38586	1.3/16		43	32			

1/2"

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38587	1.1/4	85	43	32	32	12	370
38588	1.7/16		50	37			390

LLAVE DE CARRACA REVERSIBLE / *REVERSIBLE RATCHET HANDLE* / CLÉ À CLIQUET RÉVERSIBLE / *UMSCHALTKNARRE* / CHIAVE A CRICCO REVERSIBILE / *ROQUETE REVERSIVEL* / РЕВЕРСИВНАЯ ТРЕЩЕТК



COD.	AF inch	A (mm)	B (mm)	C (mm)	L (mm)	g
38200	1/2	40	20	41	250	550



ALARGADERA / *EXTENSION* / RALLONGE / *VERLANGERUNG* / PROLUNGA / *EXTENCAO* / УДЛИНИТЕЛЬ



COD.	AF inch	L (inch)	g		
38220	1/2	4	350	5	●
38218		5	360		-
38824		8	380		
38825		10	460		

ARTICULACIÓN UNIVERSAL / *UNIVERSAL JOINT* / CARDAN UNIVERSEL / *KARDANGELENK* / SNODO CARDANICO / *CARDAN UNIVERSAL* / ШАРНИР



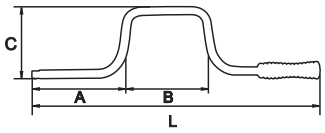
COD.	AF inch	g		
38829	1/2	170	10	●

MANGO CORREDIZO EN "T" / *SLIDING "T" HANDLE* / POIGNEE COULISSANTE / *QUERGRIFF* / ASTA CON QUADRO SCORREVOLO / *CABO "T" CORREDICO* / ПОДВИЖНАЯ "Т" РУЧКА



COD.	AF inch	L (mm)	g		
38830	1/2	250	330	5	●

BERBIQUÍ / *SPEEDER HANDLE* / VILLEBREQUIN / *KURBEL* / LEVA GIROBECCHINO / *MANIVELA* / КОЛЕНЧАТАЯ РУЧКА

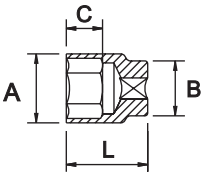


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g	
38831	1/2	380	135	140	100	500	5



EGA Master
ART IN INNOVATION

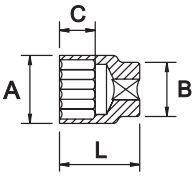
- 3/4"
- STANDARD
- MM
- 6 PT.





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38671	17	49	28	36	29	6	220
38672	19		30				
38673	21		33				
38674	22						
38675	23		34				
38676	24		36				
38677	26		38	38	24		260
38678	27		39	36			250
38679	28		40				260
38680	29		42	38			300
38681	30						
38682	32		45		29		
38683	36	55	50	42	31		450
38684	38			45	30		500
38685	41	60	55		41		600
38686	46	65	60	48	40		750
38687	50	70	70		42		900
38688	55	75	75	55	38		1200
38689	60	80	80		40		1700

- 12 PT.





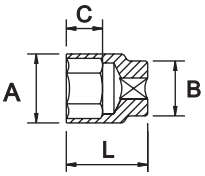
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38709	17	49	28	36	29	12	220
38710	19		30				
38711	21		33				
38712	22						
38713	23		34				
38714	24		36				
38715	26		38	38	24		260
38716	27		39	36			250
38717	28		40				260
38718	29		42	38			300
38719	30						
38720	32		45		29		
38721	36	55	50	42	31		450
38722	38			45	30		500
38723	41	60	55		34		600
38724	46	65	60	48	40		750
38725	50	70	70		42		900
38726	55	75	75	55	38		1250

3/4"

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38727	60	80	85	60	40	12	1700

INCH

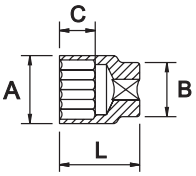
6 PT.





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38690	3/4	49	30	36	29	6	220
38691	13/16		33				
38692	7/8						
38693	15/16		36		24		240
38694	1		37	37			250
38695	1.1/16		39	36			300
38696	1.1/8		42	38			
38697	1.3/16						
38698	1.1/4	55	45		29		450
38699	1.7/16		50	42	31		500
38700	1.1/2		52	45	30		600
38701	1.9/16	60	55		34		750
38702	1.5/8						
38703	1.3/4	65	60	48	40		900
38704	1.13/16						
38705	1.7/8	70	65		42		1250
38706	2		70				
38707	2.3/16	75	75	55	38		1700
38708	2.3/8	80	85		40		

12 PT.





COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38728	3/4	49	30	36	29	12	220
38729	13/16		33				
38730	7/8						
38731	15/16		36		24		240
38732	1		37	37			250
38733	1.1/16		39	36			300
38734	1.1/8		42	38			
38735	1.3/16						
38736	1.1/4	55	45		29		450
38737	1.7/16		50	42	31		500
38738	1.1/2			45	30		600
38739	1.9/16	60	55		34		750
38740	1.5/8						
38741	1.3/4	65	60	48	40		900
38742	1.13/16						
38743	1.7/8	70	65		42		1250
38744	2		70				

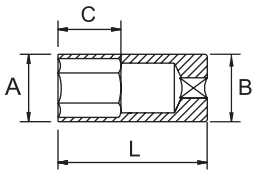
3/4"

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38745	2.3/16	75	75	53	38	12	1250
38746	2.3/8	80	85	57	40		1700

SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

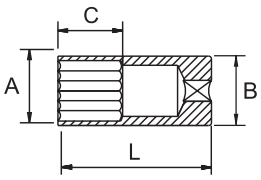
6 PT.





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38747	17	49	28	36	29	6	150
38748	19		30				320
38749	21		33				340
38750	22						380
38751	23		34				400
38752	24		36		24		420
38753	26		38	38			440
38754	27		39	36			
38755	28		40				
38756	29		42	38			480
38757	30						530
38758	32	54	45		29		580
38759	36	56	50	42	31		690
38760	38		52	45	30		720
38761	41	60	56		34		810
38762	46	66	62	48	40		900
38763	50	68	68		42		1000
38764	55	74	75	53	38		1100
38765	60	78	83	57	40		1200

12 PT.





COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38785	17	49	28	36	29	12	150
38786	19		30				320
38787	21		33				340
38788	22						380
38789	23		34				400
38790	24		36		24		420
38791	26		38	38			440
38792	27		39	36			
38793	28		40				
38794	29		42	38			480
38795	30						530
38796	32	54	45		29		580

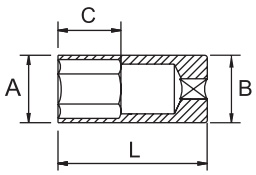
NATO OTAN
Commercial and Government Entity (NCAGE) Code / Código 8552B
TÜVRheinland CERTIFICADO
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098046
to the Management Quality

3/4"

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38797	36	56	50	42	31	12	690
38798	38		52	45	30		720
38799	41	60	56		34		810
38800	46	66	62	48	40		900
38801	50	68	68		42		1000
38802	55	74	75	53	38		1100
38803	60	78	83	57	40		1200

INCH

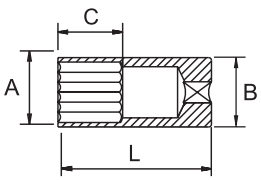
6 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38766	3/4	49	30	36	29	6	320
38767	13/16		33				350
38768	7/8						360
38769	15/16		36		24		420
38770	1		37	37			430
38771	1.1/16		39	36			450
38772	1.1/8		42	38			480
38773	1.3/16						520
38774	1.1/4	54	45		29		580
38775	1.7/16	56	50	42	31		660
38776	1.1/2		52	45	30		720
38777	1.9/16	60	55		34		760
38778	1.5/8		56				810
38779	1.3/4	66	61	48	40		860
38780	1.13/16		62				920
38781	1.7/8	68	66		42		980
38782	2		68				1080
38783	2.3/16	74	75	53	38		1400
38784	2.3/8	780	83	57	40		1650



12 PT.



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38804	3/4	49	30	36	29	12	320
38805	13/16		33				350
38806	7/8						360
38807	15/16		36		24		420
38808	1		37	37			430
38809	1.1/16		39	36			450
38810	1.1/8		42	38			480
38811	1.3/16						520
38812	1.1/4	54	45		29		580



NATO OTAN Commercial and Government Entity (NCAGE) Code / Código 8552B
TÜVRheinland CERTIFICADO Management System ISO 9001:2015 ISO 14001:2015 www.tuv.com ID 0910098048
to the Management Quality

3/4"

COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Pt	g
38813	1.7/16	56	50	42	31	12	660
38814	1.1/2		52	45	30		720
38815	1.9/16	60	55		34		760
38816	1.5/8		56				810
38817	1.3/4	66	61	48	40		860
38818	1.13/16		62				920
38819	1.7/8	68	66		42		980
38820	2		68				1080
38821	2.3/16	74	75	53	38		1400
38822	2.3/8	78	83	57	40		1650

ALARGADERA / *EXTENSION* / RALLONGE / *VERLANGERUNG* / PROLUNGA / *EXTENCAO* / УДЛИНИТЕЛЬ



COD.	AF inch	L (inch)	g		
38826	3/4	4	200	5	●
38827		8	230		-
38828		10	260		

LLAVES ESPECIALES / *SPECIAL WRENCHES* / CLÉS SPÉCIALES / *SPEZIELL ZANGEN* / CHIAVI SPECIALI / *CHAVES ESPECIAIS* / КЛЮЧИ СПЕЦИАЛЬНЫЕ

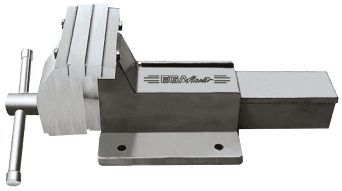
LLAVE DE GANCHO ARTICULADA / *ADJUSTABLE HOOK SPANNER* / CLÉ À ERGOT ARTICULEE / *ZANGE MIT VERSTELLBARE BACKE* / CHIAVE A SETTORE REGOLABILE / *CHAVE DE GANCHO ARTICULADA* / РУГУЛИРУЕМЫЙ КЛЮЧ КРЮК



COD.	CAP. (mm)	L (mm)	g
38191	50-120	250	450

TORNILLO DE BANCO PARALELO / *PARALLEL BENCH VICE* / ÉTAU À MORS PARALLELES / *PARALLELSCHRAUBSTÓCKE* / MORSA DA BANCO PARALLELA / *TORNO DE BANCADA PARALELO* / ТИСКИ

FIJO / *FIXED* / FIXE / *FESTE-AUSFÜRUNG* / BASE FISSA / *FIXO* / ФИКСИРОВАННЫЙ



COD.	inch	mm	Kg
38877	4	100	7,0
38878	5	140	10
38879	8	200	16
38880	10	250	20

DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *SCHRAUBENDREHER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ



COD.	mm	mm	mm	g
38150	3	80	75	40
38151	4	100		60
38152	5		90	90
38153	6	150	110	130
38154	8		120	170
38155	10	200		200
38666		300		220
38156	12	200		260
38157	14	250		320



COD.	mm	mm	mm	g
38017	3	80	75	40
38018	4	100		60
38019	5		90	90
38020	6	150	110	130
38021	8		120	170
38022	10	200		200

COD.	mm	mm	mm	g
38023	10	300	120	220
38024	12	200		260
38025	14	250		320

PHILLIPS®*

COD.		mm	mm	g
38158	PH0	60	75	30
38159	PH1	80	90	80
38160	PH2	100	110	120
38161	PH3	150	120	190
38162	PH4	200		270



COD.		mm	mm	g
38026	PH0	60	75	30
38027	PH1	80	90	80
38028	PH2	100	110	120
38029	PH3	150	120	190
38030	PH4	200	75	270



POZIDRIV®*

COD.		mm	mm	g
38163	PZ0	60	75	40
38164	PZ1	80	90	80
38165	PZ2	100	110	120
38166	PZ3	150	120	190
38167	PZ4	200		270



COD.		mm	mm	g
38031	PZ0	60	75	40
38032	PZ1	80	90	80
38033	PZ2	100	110	120
38034	PZ3	150	120	190
38035	PZ4	200		270

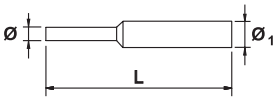


CORTAFRÍOS CILÍNDRICO / *CYLINDRICAL COLD CHISEL* / BÉDANE CYLINDRIQUE / *ZYLINDRISCHE MEISSEL* / SCALPELLO CILINDRICO TAGLIO A FREDDO / *ESCOPRO CILINDRICO* / ЦИЛИНДРИЧЕСКОЕ ЗУБТЛО

COD.	L (mm)	O.D. mm
38837	16 x 160	16
38838	18 x 200	18
38839	24 x 300	24
38840	25 x 400	25
38841	30x 500	30



BOTADORES CILÍNDRICOS / *PIN PUNCHES* / CHASSES GOUPILLES / *DURCHSCHLÄGER* / PUNZONE CILINDRICO / *PUNÇÕES CILÍNDRICOS* / ПРОБОЙНИКИ



COD.	Ø (m)	Ø 1 (mm)	L (mm)	g
38610	2	8	110	29
38611	3	9		38

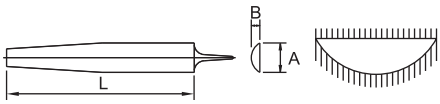


- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

COD.	Ø (m)	Ø 1 (mm)	L (mm)	g
38612	4	10	110	48
38613	5	11	115	60
38614	6	12		75
38615	7	13	120	95

LIMAS / *FILES* / LIMES / *FEILEN* / LIMA / *LIMAS* / НАПИЛЬНИКИ

LIMAS MEDIA CAÑA / *HALF ROUND FILES* / LIMES DEMI-RONDES / *HALBRUND FEILEN* / LIMA MEZZATONDA / *LIMAS MEIA CANA* / ПОЛУКОУГЛЫЙ НАПИЛЬНИК

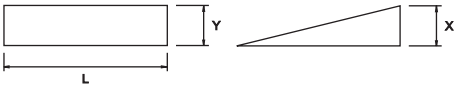


COD.	L (inch)		/cm	A (mm)	B (mm)
38300	10	2	12	17-26	5-8



2 : Entrefina / *Medium* / Demi-douce

CUÑA / *WEDGE* / COIN / *KEIL* / CUNEO / *CUNHA* / КЛИН



COD.	L (mm)	Y	X	g
38059	75	13	6	20
38060	95	50	10	200
38061	145		13	380
38062	175		19	670
38063	195		12	470
38064	245	40	30	1170
38065	295	50	40	2340



PALANCA / *PINCHBAR* / PINCE À TALON / *BRECHSTANGE* / LEVA / *AVALANCA* / МОНИТРОВКА

COD.	L (mm)	Kg
38832	15 x 500	0,7
38833	19 x 500	1,0
38834	20 x 500	1,2
38835	23 x 500	1,5
38836	23 x 800	2,4



MARTILLOS / *HAMMERS* / MARTEAUX / *HÄMMER* / MARTELLI / *MARTELOS* / МОЛОТКИ

MARTILLO DE BOLA / *BALL PEIN HAMMER* / MARTEAU À BOULE / *SCHLOSSER HAMMER* / MARTELLO A PALLA / *MARTELO DE BOLA* / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD.	L (mm)	g
38068	350	450



MACETA OCTOGONAL / *SLEDGE MALLET* / MASSETTE OCTOGONALE / *SCHLAGHAMMER* / MAZZETTA OTTOGONALE / *MARRETA OCTOGONAL* / КУВАЛДА

COD.	L (mm)	Kg
38069	350	1
38070		1,5
38071		2
38072	800	2,5
38073	850	3
38074		3,5

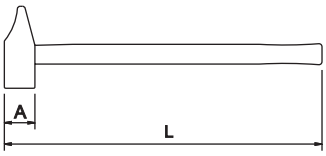


MACETA CUADRADA TIPO ALEMÁN / *GERMAN TYPE MALLET* / MASSETTE TYPE ALLEMAND / *FÄUSTEL* / MAZZETA / *MARRETA* / КУВАЛДА НЕМЕЦКИЙ ТИП ДЛЯ КАМНЯ

COD.	L (mm)	Kg
38179	400	1
38180		1,5
38181		2
38182		2,5
38183	900	3
38184		3,5



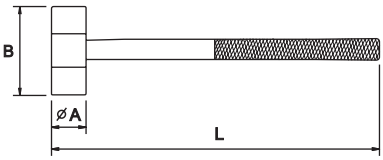
MARTILLO DE EBANISTA / *JOINER'S HAMMER* / MARTEAU DE MENUISIER / *HOLZSCHNITZERHAMMER* / MARTELLO FALEGNAME / *MARTELO DE PENA* / СТОЛЯРНЫЙ МОЛОТОК



COD.	L (mm)	A (mm)	g
38075	280	18	250
38076		20	300
38077		22	350
38078	300	25	500
38079		28	590
38080	350	30	780



MACETA DE NYLON / *NYLON MALLET* / MARTEAU NYLON / *NYLON- HAMMER* / MARTELLO DI NYLON / *MARTELO DE NYLON* / НЕЙЛОНОВЫЙ МОЛОТОК

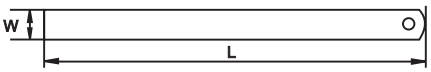


COD.	L (mm)	Ø A (mm)	B (mm)	g
38185	200	30	80	250

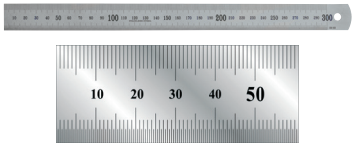


REGLAS SEMI-FLEXIBLES DE ACERO INOXIDABLE / *STAINLESS STEEL SEMI-FLEXIBLE RULERS* / RÈGLES SEMI-FLEXIBLE EN ACIER INOX / *FLEXIBLES LINEAL AUS EDELSTAHL* / RIGA SEMIFLESSIBILE IN ACCIAIO INOX / *RÉGUA SEMI-FLÉXIVEL EM AÇO INOX* / ГИБКИЕ ЛИНЕЙКИ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

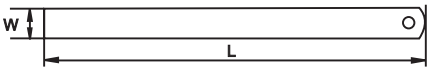
GRADUACIÓN EN MILÍMETROS / *MILIMETRIC GRADUATION* / GRADUATION EN MILLIMÈTRE / *MM -TEILUNGEN* / GRADUAZIONE IN MILLIMITRI / *GRADUAÇÃO EM MILIMETROS* / МЕТРИЧЕСКАЯ ШКАЛА



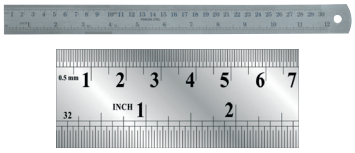
COD.	L x W (mm)	mm	g	
65772	150 x 18	0,8	10	6
65832	200 x 18		12	
65774	300 x 25	1,0	20	
65834	500 x 30	1,2	40	
65836	600 x 30		50	
65838	1000 x 32	1,5	100	
65840	1200 x 35	1,8	125	
65842	1500 x 38		150	
65844	2000 x 40	2,0	200	



GRADUACIÓN EN MILÍMETROS Y PULGADAS / *GRADUATION IN MILIMETERS AND INCHES* / GRADUATION EN MM ET EN POUCE / *INCH UND MM TEILUNGEN* / GRADUAZIONE IN MM E IN POLLICI / *GRADUAÇÃO EM MILIMETROS E POLEGADAS* / МЕТРИЧЕСКАЯ И ДЮЙМОВАЯ ШКАЛА



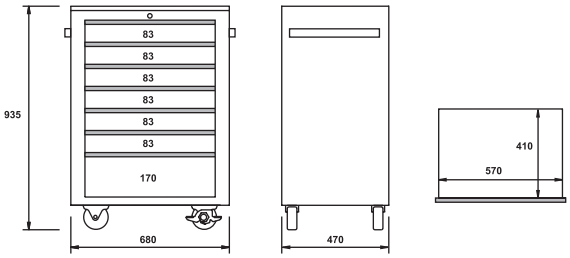
COD.	L x W (mm)	mm	g	
65831	150 x 18	0,8	10	
65773	200 x 18		12	
65833	300 x 25	1,0	20	
65835	500 x 30	1,2	40	
65837	600 x 30		50	6
65839	1000 x 32	1,5	100	
65841	1200 x 35	1,8	125	
65843	1500 x 38		150	
65845	2000 x 40	2,0	200	



ARMARIOS-CARROS DE HERRAMIENTAS 100% INOX / *ROLLER CABINETS 100% INOX* / SERVANTES À ROUES 100% INOX / *WERKZEUGWAGEN 100% INOX* / CASSETTIERE MOBILI 100% INOX / *CARRO DE FERRAMENTAS 100% INOX* / ШКАФЫ-ТЕЛЕЖКИ ДЛЯ ИНСТРУМЕНТОВ 100% НЕРЖАВЕЮЩАЯ СТАЛЬ



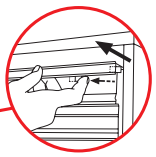
Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Kg
51558	680 x 470 x 935	Inox 304	63

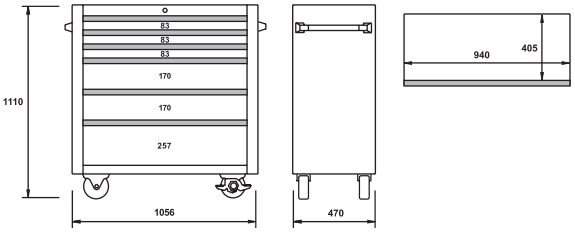
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	Exterior e interior 100% INOX / *Exterior and interior 100% INOX* / Extérieur et intérieur 100% INOX
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	7
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	320 Kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●







Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Kg
51559	1056 x 470 x 1110	Inox 304	95

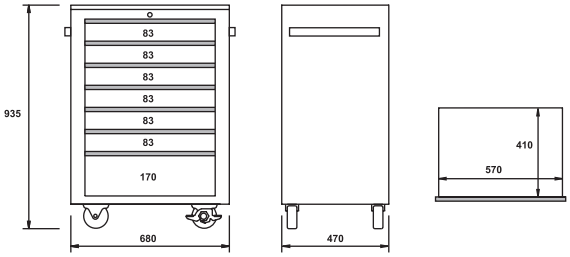
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material / *Material* / Matière	Exterior e interior 100% INOX / *Exterior and interior 100% INOX* / Extérieur et intérieur 100% INOX
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	6
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad cajones de altura 257 mm / *Capacity in 257 mm height drawers* / Capacité des tiroirs de 257 mm de haut	30 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	500 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

EGA Master
ART IN INNOVATION

ARMARIOS-CARROS DE HERRAMIENTAS DE SUPERFICIES INOX* / *INOX SURFACE ROLLER CABINETS** / SERVANTES À ROUES AVEC SURFACE INOX* / *WERKZEUGWAGEN MIT INOX OBERFLÄCHE** / CASSETTIERE MOBILI PORTAUTENSILI DI SUPERFICI INOX* / *ARMÁRIOS-CARROS DE FERRAMENTA DE SUPERFÍCIE INOX** / ШКАФЫ-ТЕЛЕЖКИ ДЛЯ ИНСТРУМЕНТОВ С ПОКРЫТИЕМ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ*



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



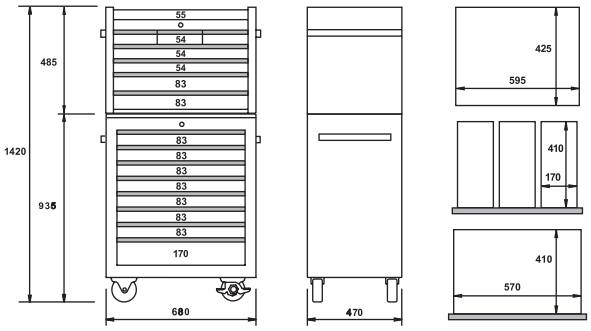
COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Material ruedas / *Wheel material* / Matière roues	Kg
51478	680 x 470 x 935	Inox 430	Inox 304	63

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / *Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel* / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	7
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	320 Kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

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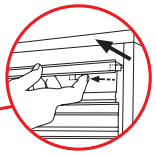
Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Material ruedas / *Wheel material* / Matière roues	Kg
51563	680 x 470 x 1420	Inox 430	Inox 304	109

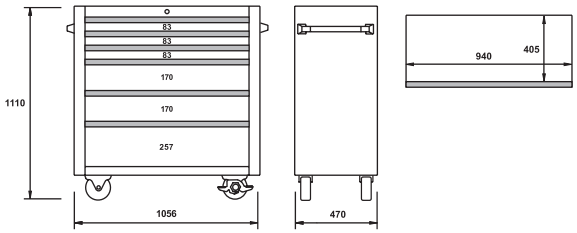
ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / *Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel* / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	14
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones 170 x 410 x 54 mm / *Drawer capacity 170 x 410 x 54 mm* / Capacité des tiroirs de 170 x 410 x 54 mm	15 kg
Capacidad cajones 570 x 410 x 54 mm / *Drawer capacity 570 x 410 x 54 mm* / Capacité des tiroirs de 570 x 410 x 54 mm	25 kg
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	470 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Tapa con doble pistón neumático / *Double pneumatic absorber equipped lid* / Couvercle avec double piston pneumatique	●







Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir

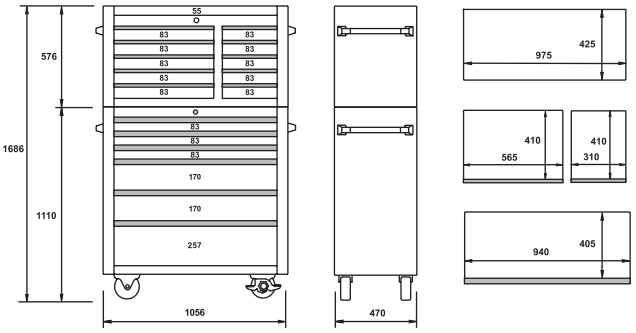


COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Material ruedas / *Wheel material* / Matière roues	Kg
51561	1056 x 470 x 1110	Inox 430	Inox 304	95

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / *Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel* / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	6
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad cajones de altura 257 mm / *Capacity in 257 mm height drawers* / Capacité des tiroirs de 257 mm de haut	30 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	500 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



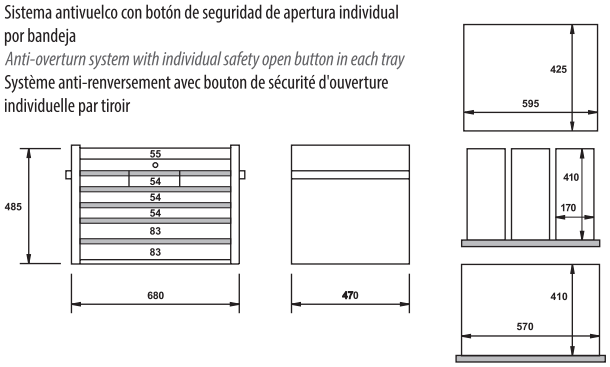
COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Material ruedas / *Wheel material* / Matière roues	Kg
51564	1056 x 470 x 1686	Inox 430	Inox 304	168

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / *Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel* / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	16
2 ruedas fijas y 2 giratorias con freno / *2 fixed and 2 revolving with brake wheels* / 2 roues fixes et 2 roues giratoires avec frein	5" x 1,5"
Capacidad cajones de altura 55 mm / *Capacity in 55 mm height drawers* / Capacité des tiroirs de 55 mm de haut	30 kg
Capacidad cajón 310 x 410 x 83 mm / *Drawer capacity 310 x 410 x 83 mm* / Capacité du tiroir 310 x 410 x 83 mm	25 kg
Capacidad cajón 565 x 410 x 83 mm / *Drawer capacity 565 x 410 x 83 mm* / Capacité du tiroir 565 x 410 x 83 mm	25 kg
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 Kg
Capacidad cajones de altura 170 mm / *Capacity in 170 mm height drawers* / Capacité des tiroirs de 170 mm de haut	30 Kg
Capacidad cajones de altura 257 mm / *Capacity in 257 mm height drawers* / Capacité des tiroirs de 257 mm de haut	30 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	700 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

COFRES PORTAHERRAMIENTAS DE SUPERFICIES INOX* / *INOX SURFACE TOOL CHEST** / COFFRE À TIROIRS AVEC SURFACE INOX* / *WERKSTATTKASTEN MIT INOX OBERFLÄCHE** / CASSETTI PORTAUTENSILI DI SUPERFICI INOX* / *BAÚ PORTA-FERRAMENTAS DE SUPERFÍCIE INOX** / ПОРТАТИВНЫЕ ЯЩИКИ С ПОКРЫТИЕМ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ*



Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



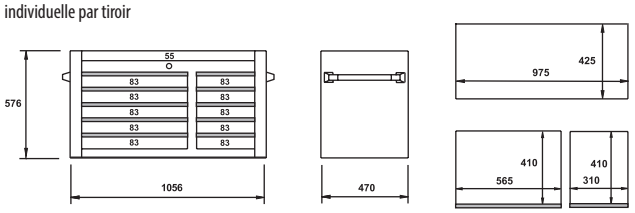
COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Kg
51560	680 x 470 x 485	Inox 430	45,5

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior: 100% INOX – Interior: Acero pintado / *Exterior 100% INOX – Interior: Painted Steel* / Extérieur 100% INOX - Intérieur: Acier peint
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	7
Capacidad cajones de altura 55 mm / *Capacity in 55 mm height drawers* / Capacité des tiroirs de 55 mm de haut	20 kg
Capacidad cajones 170 x 410 x 54 mm / *Drawer capacity 170 x 410 x 54 mm* / Capacité des tiroirs de 170 x 410 x 54 mm	15 kg
Capacidad cajones 570 x 410 x 54 mm / *Drawer capacity 570 x 410 x 54 mm* / Capacité des tiroirs de 570 x 410 x 54 mm	25 kg
Capacidad cajones de altura 83 mm / *Capacity in 83 mm height drawers* / Capacité des tiroirs de 83 mm de haut	25 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	150 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●
Tapa con doble pistón neumático / *Double pneumatic absorber equipped lid* / Couvercle avec double piston pneumatique	●

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Sistema antivuelco con botón de seguridad de apertura individual por bandeja
Anti-overturn system with individual safety open button in each tray
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



COD.	L x W x H (mm)	Material estructura / *Material structure* / Structure matériaux	Kg
51562	1056 x 470 x 576	Inox 430	95

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Material* / *Material** / Matière*	Exterior: 100% INOX – Interior: Acero pintado / *Exterior 100% INOX – Interior: Painted Steel* / Extérieur 100% INOX - Intérieur: Acier peint
Cajones con rodamientos / *Ball-bearing slides* / Tiroirs à roulement	10
Capacidad cajones de altura 55 mm / *Capacity in 55 mm height drawers* / Capacité des tiroirs de 55 mm de haut	30 kg
Capacidad cajón 310 x 410 x 83 mm / *Drawer capacity 310 x 410 x 83 mm* / Capacité du tiroir 310 x 410 x 83 mm	25 kg
Capacidad cajón 565 x 410 x 83 mm / *Drawer capacity 565 x 410 x 83 mm* / Capacité du tiroir 565 x 410 x 83 mm	25 kg
Capacidad de carga estática total / *Total static weight capacity* / Capacité totale de charge statique	200 kg
Sistema de cierre centralizado / *Central locking system* / Système de fermeture centralisée	●
Asa lateral reforzada / *Reinforced side handle* / Poignées latérale renforcée	●
Sistema antivuelco en cada bandeja / *Anti-overturn system in each drawers* / Système anti-renversement dans chaque tiroir	●

42

EQUIPOS DE PROTECCIÓN INDIVIDUAL
PERSONAL PROTECTION EQUIPMENT
EQUIPEMENTS DE PROTECTION INDIVIDUELLE
PERSÖNLICHE SCHUTZAUSRÜSTUNG
DISPOSITIVI DI PROTEZIONE INDIVIDUALE
EQUIPAMENTOS DE PROTECÇÃO INDIVIDUAL
ПЕРСОНАЛЬНОЕ ЗАЩИТНОЕ ОБОРУДОВАНИЕ



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
TÜVRheinland CERTIFICADO
Management System ISO 9001:2015 ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

PROTECCIÓN OCULAR / *EYE PROTECTION* / PROTECTION OCULAIRE / *AUGENSCHUTZ* / PROTEZIONE OCULARE / *PROTECÇÃO OCULAR* / ЗАЩИТА ГЛАЗ

Normas CE-EN (Normas de base) / *CE-EN Standard (Normative references)* / Normes CE-EN (Normes de base)	
EN 166	Protección individual de los ojos. Especificaciones / *Personal eye-protection. Requirements* / Protection individuelle des yeux. Spécifications
EN 167	Protección individual de los ojos. Métodos de ensayos ópticos *Personal eye-protection. Optical test methods* Protection individuelle des yeux. Méthodes d'essais optiques
EN 169	Protección individual de los ojos. Filtros para soldadura y técnicas relacionadas. Especificaciones del coeficiente de transmisión (transmitancia) y uso recomendado *Personal eye-protection. Filters for welding and related techniques. Transmittance requirements and recommended usage* Protection individuelle des yeux. Filtres pour soudure et techniques mises en relations. Spécifications du coefficient de transmission et usage recommandé
EN 170	Protección individual de los ojos. Filtros para ultravioleta. Especificaciones del coeficiente de transmisión (transmitancia) y uso recomendado *Personal eye-protection. Ultraviolet filters. Transmittance requirements and recommended use* Protection individuelle des yeux. Filtres pour ultraviolet. Spécifications du coefficient de transmission et usage recommandé
EN 171	Protección individual de los ojos. Filtros para el infrarrojo. Especificaciones del coeficiente de transmisión (transmitancia) y uso recomendado *Personal eye-protection. infrared filters. Transmittance requirements and recommended use* Protection individuelle des yeux. Filtres pour infrarouge. Spécifications du coefficient de transmission et usage recommandé
EN 172	Protección individual de los ojos. Filtros de protección solar para uso laboral *Personal eye-protection. Sunglare filters for industrial use* Protection individuelle des yeux. Filtres de protection solaire pour usage professionnel
EN 175	Protección individual de los ojos. Equipos para la protección de los ojos y la cara durante la soldadura y técnicas afines *Personal eye-protection. Equipment for eye and face protection during welding and allied processes* Protection individuelle des yeux. Matériel pour la protection des yeux et du visage durant la soudure et les techniques communes
EN 379	Protección individual de los ojos. Filtros automáticos para soldadura *Personal eye-protection. Automatic filters for welding* Protection individuelle des yeux. Filtres automatiques pour soudure
EN 1731	Protección individual de los ojos. Protectores oculares y faciales de malla *Personal eye-protection. Eye and face mesh protectors* Protection individuelle des yeux. Protecteurs oculaires et faciales en maille
EN 1598	Higiene y seguridad en el soldeo y procesos afines. Cortinas, lamas y pantallas transparentes para procesos de soldeo por arco *Hygiene and security in welding and similar processes. Curtains, slats and transparent screens for bow-welding processes* Hygiène et sécurité dans la soudure et les processus communs. Rideaux, et écrans transparents pour les processus de soudage par arc

EN 172

Filtros de protección solar para uso laboral

- Protegen al ojo humano frente a una radiación excesiva.
- Aumentan la comodidad y la percepción visual.
- La correcta elección del filtro dependerá de:
  - El nivel de iluminación ambiental.
  - La sensibilidad individual al deslumbramiento.
- Además de una cierta absorción de la radiación visible los filtros deben asegurar:
  - La protección del ojo en las regiones espectrales ultravioletas.
  - La protección (dependiendo de cada situación) de las infrarrojas.

Elección del protector ocular

La selección de un protector ocular adecuado para un riesgo determinado es de vital importancia. De no llevar a cabo la apropiada, los efectos sobre el ojo del usuario pueden variar desde una simple molestia a graves lesiones o pérdida de visión.

"Asegúrese de que las gafas de seguridad que utiliza han sido ensayadas y son conformes al apartado 7.1.2. Requisitos ópticos de la norma EN 166. Si están ensayadas, el Certificado CE de Tipo, indicará la Calidad Óptica X, y que es conforme a la EN 166, es decir, a todos los apartados de la norma".

EN 172

Sunglare filters for industrial use

- *Protect human eye from extremely bright conditions.*
- *Increase comfort and visual perception.*
- *The right filter choice will depend on:*
  - *The level of environment lighting.*
  - *The self sensibility to the blinding.*
- *Apart from some absorption of the brightness, the filters must ensure:*
  - *The eye protection in ultraviolet spectral areas.*
  - *The protection (depending on the situation) to the infrareds.*

Choice of the eye protector

Selecting an appropriate eye protection for a given risk is vital. If not performed properly, the effects on the user's eye can range from a nuisance to serious injury or loss of vision.

"Be sure that the spectacles you handle have been tested and the meet with the point 7.1.2. Optical requirements on the Standard EN 166. If so, on the CE Type certificate, it will be shown the Optical Quality X, and that it is according to the EN 166, that means, to all the points of the Standard".

EN 172

Filtres de protection solaire pour usage au travail

- Protègent l'œil humain face à la radiation excessive.
- Amplifient le confort et la perception visuelle.
- Le choix correcte du filtre dépendra de:
  - Le niveau d'éclairage environnemental.
  - La sensibilité individuelle de l'éblouissement.
- En plus d'une certaine absorption de la radiation visible les filtres doivent assurer:
  - La protection de l'œil sur les zones spectrales ultraviolettes.
  - La protection (en fonction de cha que situation) aux infrarouges.

Choix de la protection oculaire

Le choix d'un protecteur oculaire approprié pour un risque déterminé est primordial. Dans le cas ou le choix est incorrecte, les effets sur l'œil de l'utilisateur peuvent varier d'une simple gêne à de graves lésions ou perte de vision.

"Assurez-vous que les lunettes de sécurité que vous utilisez ont été testées et sont conformes à la section 7.1.2. Conditions requises de la norme EN 166. Si elles ont été testées, le Certificat CE du Type, indiquera la Qualité Optique X, et qu'il est conforme à la EN 166, c'est-à-dire, à toutes les sections de la norme".

Símbolos de Resistencia Mecánica / *Symbols for Mechanical Strength* / Symboles de Résistance Mécanique	
S	Solidez incrementada, resistente a una bola de 22 mm y 43 gr a 12 m/s *Increased robustness, resistant to a 22mm and 43gr ball to 12m/s* Solidité augmentée, résistance à une boule de 22 mm et 43 gr à 12 m/s
Impacto de partículas a alta velocidad / *Impacts of high-speed particles* / Impact de particules à haute vitesse	
A	Impactos de alta energía, resistente a una bola de 6 mm y 0,86 gr a 190 m/s *High energy impacts, resistant to a 6mm and 0,86gr ball to 190m/s* Impacts haute énergie, résistance à une boule de 6 mm et 0,86 gr à 190 m/s
B	Impactos de media energía, resistente a una bola de 6 mm y 0,86 gr a 120 m/s *Medium energy impacts, resistant to a 6mm and 0, 86gr ball to 120m/s* Impacts moyenne énergie, résistance à une boule de 6 mm et 0,86 gr à 120 m/s
F	Impactos de baja energía, resistente a una bola de 6 mm y 0,86 gr a 45 m/s *Low energy impacts, resistant to a 6mm and 0,86gr ball to 45m/s* Impacts basse énergie, résistance à une boule de 6 mm et 0,86 gr à 45 m/s
Impacto de partículas a alta velocidad y a temperaturas extremas / *Impacts of high-speed particles + Extreme Temperatures* **Impact de particules à haute vitesse et à des températures extrêmes**	
AT	Impactos de alta energía a 190 m/s + Temperaturas extremas *High energy impacts, 190m/s + Extreme temperatures* Impacts haute énergie à 190 m/s + Températures extrêmes
BT	Impactos de media energía a 120 m/s + Temperaturas extremas *Medium energy impacts, 120m/s + Extreme temperatures* Impacts moyenne énergie à 120 m/s + Températures extrêmes
FT	Impactos de baja energía a 45 m/s + Temperaturas extremas *Low energy impacts, 45m/s + Extreme temperatures* Impacts basse énergie à 45 m/s + Températures extrêmes
Riesgos cubiertos / *Covered risk* / Risques couverts	
K	Resistencia al deterioro superficial por partículas finas *Resistance to the surface damage by fine particles* Résistance à la détérioration superficielle par particules fines
N	Resistencia al empañamiento / *Resistance to the fogging of oculars* / Résistance à la buée
Símbolos de campos de uso / *Symbols for fields of use* / Symboles de champs d'application	
3	Gotas y salpicaduras de líquidos / *Liquid droplets* / Gouttes et projections de liquides
4	Partículas de polvo gruesas / *Large dust particles* / Particules de poussière épaisse
5	Gas y partículas de polvo finas / *Gas and fine dust particles* / Gaz et particules de poussière fine
8	Arco eléctrico de cortocircuito / *Short circuit electric arc* / Arc électrique de court-circuit
9	Metales fundidos, sólidos candentes / *Molten metals, hot solids* / Métaux fondus, solides brûlants
Símbolos de Clase Óptica / *Optical Class Symbols* / Symboles de Classe Optique	
1	Trabajos Continuos. Potencia refractiva esférica ± 0,06 *Continuous work. Spherical refractive power ± 0,06* Travaux Continues. Puissance réfractive sphérique ± 0,06
2	Trabajos Intermitentes. Potencia refractiva esférica ± 0,12. *Intermittent work. Spherical refractive power ± 0,12* Travaux Intermittents. Puissance réfractive sphérique ± 0,12
3	Trabajos ocasionales. Potencia refractiva esférica ± 0,25 *Sporadic work. Spherical refractive power ± 0,25* Travaux Occasionnels. Puissance réfractive sphérique ± 0,25

GAFAS POLICARBONATO AJUSTABLES / *ADJUSTABLE POLYCARBONATE GLASSES* / LUNETTES POLYCARBONATE RÉGLABLES / *JUSTIERBARE POLYCARBONAT BRILLE* / OCCHIALI REGOLABILI POLICARBONATO / *ÓCULOS POLICARBONATO AJUSTÁVEIS* / РЕГУЛИРУЕМЫЕ ПОЛИКАРБОНАТНЫЕ ОЧКИ

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Gafas de policarbonato monobloque / *Polycarbonate single lens glasses* Lunettes de polycarbonate monobloc	●
Patillas nylon abatibles y ajustables / *Adjustable and tilting nylon arms* Pates nylon inclinables et réglables	●
Conteras espatuladas / *Spatula tips* / Branche en forme de spatule	●
Nariz flexible PVC extra comodidad / *Extra comfort integrated PVC nose piece* Nez flexible PVC extra confort	●
Protecciones laterales / *Side protection* / Protections latérales	●

COD.	g
35673	100

EN 166, EN 170



CAMPO DE APLICACIÓN / *APPLICATION FIELD* / CHAMP D'APPLICATION
Policarbonato incoloro antirrayado y antivaho: riesgo mecánico no especificado. Partículas volando *Clear polycarbonate antiscratch and antifog: unspecified mechanical hazards (flying particle)* Polycarbonate incolore anti-rayure et anti-vapeur: risque mécanique non spécifiée. Particules s'évaporant
Resistente a impactos de baja energía (45 m/s) / *Resistant to low energy impacts (45m/s)* Résistant aux impacts à base énergie (45 m/s)

COD.	g
35674	100

EN 166, EN 172



CAMPO DE APLICACIÓN / *APPLICATION FIELD* / CHAMP D'APPLICATION
Policarbonato gris antirrayado y antivaho: protección solar para uso laboral. UV400 - Contra radiación ultravioleta *Grey polycarbonate antiscratch and antifog: sunglare filters for industrial use. UV400 - Against UV radiation* Polycarbonate gris anti-rayure et anti-vapeur: protection solaire pour usage professionnel UV400 - Contre radiation ultraviolette
Resistente a impactos de baja energía (45 m/s) / *Resistant to low energy impacts (45m/s)* Résistant aux impacts à base énergie (45 m/s)

PROTECCIÓN AUDITIVA / *EAR PROTECTION* / PROTECTION AUDITIVE / *GEHÖRSCHUTZ* / PROTEZIONE AUDITIVA / *PROTECÇÃO AUDITIVA* / ЗАЩИТА УШЕЙ

Normas CE-EN *CE-EN Standard* Normes CE-EN	Valores / *Values* / Valeurs
Exigencias Generales y Métodos de Ensayo / *General requirements and Testing* / Exigences Générales et Méthodes d'Essai	
EN 352-1	Protectores auditivos: orejeras / *Hearing protectors: ear-muffs* / Protecteurs auditifs: casque antibruit
EN 352-2	Protectores auditivos: tapones / *Hearing protectors: ear plugs* / Protecteurs auditifs: bouchons d'oreilles
EN 352-3	Protectores auditivos: orejeras acopladas a un casco de protección *Hearing protectors: ear muffs attached to an industrial safety helmet* Protecteurs auditifs: serre-têtes montés sur casques de protection
Protectores de oído / *Hearing protectors* / Protecteurs d'oreilles	
EN 352-4 / A1	Protectores auditivos: orejeras independientes de nivel / *Hearing protectors: level dependent ear-muffs* Protecteurs auditifs: serre-têtes à atténuation indépendantes de niveau
EN 352-5	Protectores auditivos: orejeras con reducción activa de ruido / *Hearing protectors: active noise reduction ear-muffs* Protecteurs auditifs: serre-têtes avec atténuation active du bruit
EN 352-6	Protectores auditivos: orejeras con entrada eléctrica de audio / *Hearing protectors: ear-muff with electrical audio imput* Protecteurs auditifs: serre-têtes avec entrée audio-électrique
EN 352-7	Protectores auditivos: tapones dependientes de nivel / *Hearing protectors: level dependent ear-plugs* Protecteurs auditifs: bouchons d'oreilles à atténuation dépendante de niveau
EN 352-8	Protectores auditivos: orejeras con audio de entretenimiento / *Hearing protectors: entertainment audio ear-muffs* Protecteurs auditifs: serre-têtes équipés d'un dispositif audio de divertissement
Documento Guía para los protectores de oído / *Guidance document for each protectors* / Document Guide pour les protecteurs d'oreille	
EN 458	Protectores auditivos: selección, uso, precauciones de empleo y mantenimiento *Hearing protectors: selection, use, care and maintenance* / Auditifs: sélection, utilisation, précautions d'emploi et entretien

Valores límite de exposición y acciones / *Exposure limit values and actions* / Valeurs limite d'exposition et d'actions		
	Valores / *Values* / Valeurs	**Acciones / *Actions* / Actions**
Valores límite de exposición *Exposure limit values* Valeurs limite d'exposition	LEX, 8h = 87 dB (A) y Ppico / *Ppeak* / PPic = 200 Pa (1)	En ningún caso se deben superar los valores límites de exposición *Exposure limit values must not be exceeded* Il ne faut en aucun cas dépasser les valeurs limites d'exposition
Valores superiores de exposición *Exposure upper values* Valeurs supérieurs d'exposition	LEX, 8h = 85 dB (A) y Ppico / *Ppeak* / PPic = 140 Pa (2)	Se utilizarán protectores auditivos. Obligatorios *Ear protectors must be used. Compulsory* Il faut utiliser des protecteurs auditifs. Obligatoires
Valores inferiores de exposición *Exposure lower values* Valeurs inférieurs d'exposition	LEX, 8h = 80 dB (A) y Ppico / *Ppeak* / PPic = 112 Pa (3)	El empresario pondrá a disposición de los trabajadores protectores auditivos. Opcionales *Manager could give worker ear protectors. Optional* Le chef d'entreprise mettra à disposition des travailleurs des protecteurs auditifs. Optionnels

Elección del protector auditivo
Según la Directiva 2003/10/CE del 06/05/2003, publicada el 15/02/2003 y aplicable a partir de 2006, los usuarios dispondrán del protector auditivo adecuado a partir del ruido constante de 80 dB. Más allá de este umbral de seguridad podrían aparecer lesiones.

Indispensable para conocer el protector auditivo:
- Conocer la intensidad del ruido.
- Conocer el SNR del protector auditivo.

Cálculo para elegir el protector más idóneo:

ruido: 100 dB
–
snr: 27 dB
73 dB *

* Protección adecuada a menos de 80 dB.

No descender de 65 dB
Riesgo de sobreprotección

Choice of the ear protector
According to the Directive 2003/10/EC of the 06/05/2003, published the 15/02/2003 and applicable from 2006, the users will have the appropriate ear protector up to the constant noise of 80 dB. Beyond this security limit could appear injuries.

Essential to know the ear protector:
- *Know the noise intensity.*
- *Know the SNR of the ear protector.*

Calculation to choose the most suitable protector:

noise: 100 dB
–
snr: 27 dB
*73 dB **

* *Suitable protection at less than 80 dB.*

No go down from 65 dB
Overprotection risk

Choix du protecteur auditif
Selon la directive 2003/10/CE du 06/05/2003, publiée le 15/02/2003 et applicable à partir de 2006, les usagers disposeront du protecteur auditif adapté à partir d'un bruit constant de 80 dB. Au-delà de ce seuil de sécurité des lésions peuvent apparaître.

Indispensable pour connaître le protecteur auditif :
- Connaître l'intensité du bruit.
- Connaître le SNR du protecteur auditif.

Calcul pour choisir le protecteur le mieux adapté:

bruit : 100 dB
–
snr: 27 dB
73 dB *

* Protection adaptée à moins de 80 dB.

Ne pas passer sous la barre de 65dB
Risque de surprotection

AURICULARES / *EAR-MUFFS* / CASQUES ANTIBRUIT / *OHRENSCHÜTZER* / CUFFIE / *AURICULARES* / НАУШНИКИ

COD.		g
35675	30 dB	210

EN 352-1



ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.	Descripción / *Description* / Description	
35676	Almohadillas para auricular / *Headphone pads* Coussinet pour casque	1 par / *pair* / paire



COD.	Descripción / *Description* / Description	
35677	Foam interior para auricular / *Headphone interior foam* Mousse intérieure pour casque	1 par / *pair* / paire



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Indicados para puestos de trabajo con alto nivel de exposición al ruido / *Suitable for working positions with high level of noise exposure* Recommandés pour les postes de travail avec un haut niveau d'exposition au bruit	●
Excelente atenuación / *Excellent attenuation* / Excellente atténuation	●
Máxima comodidad / *Maximum comfort* / Confort maximum	●
Almohadillas de PVC especial / *Foam headband made from special PVC* / Coussinets en PVC spécial	●
Arnés de fibra de vidrio ajustable / *Adjustable glass fibre Nylon harness* / Harnais en fibre de verre réglable	●
Extensión longitudinal de adaptación / *Length adjustment headband* / Longueur du serre-tête réglable	●
Cazoletas giratorias en todas direcciones / *Ear Cups can rotate in all directions* / Coquilles tournantes dans tous les sens	●

DATOS DE ATENUACIÓN / *ATTENUATION INFORMATION* / DONNÉES D'ATTÉNUATION
EN 352-1

Almohadilla con arnés / *Foam headband with harness* / Coussinet avec harnais

Frecuencia / *Frequency* / Fréquence (Hz)	63	125	250	500	1000	2000	4000	8000
Atenuación / *Attenuation* / Atténuation (dB)	18,3	15,8	20,4	29,6	35,8	34,8	35,7	39,5
Desviación Standard / *Standard Desviation* / Déviation Standard (dB)	4,2	3,0	2,3	2,6	2,5	4,0	4,1	5,0
Protección Asumida / *Assumed Protection* / Protection Garantie (dB)	14,1	12,8	18,2	27,0	33,3	30,8	31,6	34,4

H = 32,2 dB M = 27,7 dB L = 19,8 dB SNR = 30 dB

PROTECCIÓN DE LA CABEZA / *HEAD PROTECTION* / PROTECTION DE LA TÊTE / *KOPFSCHUTZ* / PROTEZIONE DELLA TESTA / *PROTECÇÃO DE CABEÇA* / ЗАЩИТА ГОЛОВЫ

Normas CE-EN *CE-EN Standard* Normes CE-EN	Descripción / *Description* / Description
	Cascos industriales / *Industrial helmets* / Casques industriels
EN 397	Cascos de protección para la industria / *Protection helmets for the industry* / Casques de protection pour l'industrie
EN 50365	Cascos eléctricamente aislantes para la utilización en instalaciones de baja tensión *Electrically isolating helmets for the usage in low tension instalations* Casques électriquement isolants utilisés pour l'utilisation dans les installations sous tension
EN 812	Cascos de protección contra golpes para la industria / *Protection helmets against shocks for industry* Casquettes de protection anti-heurt pour l'industrie
	Cascos de protección / *Protection helmets* / Casques de protection
EN 13087-1	Condiciones y condicionamiento / *Conditions and conditioning* / Conditions et conditionnement
EN 13087-2	Absorción de choques / *Impacts absorption* / Absorptions des chocs
EN 13087-3	Resistencia a la perforación / *Resistance to the perforation* / Résistance à la pénétration
EN 13087-4	Eficacia del sistema de retención / *Retention system efficiency* / Efficacité du système de rétention
EN 13087-5	Resistencia del sistema de retención / *Resistance to the retention system* / Résistance du système de rétention
EN 13087-6	Campo de visión / *Field of vision* / Champ de vision
EN 13087-7	Resistencia a la llama / *Flame retardant* / Résistance à la flamme
EN 13087-8	Propiedades eléctricas / *Electrical properties* / Propriétés électriques
EN 13087-10	Resistencia al calor radiante / *Resistant to the radiant heat* / Résistance à la chaleur radiante



CASCO / *HELMET* / CASQUE / *HELM* / ELMETTO / *CAPACETE* / ШЛЕМ

COD.	g
35678	340

EN 397

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ventilación / *Ventilation* / Ventilation	●
Visera / *Cap* / Visiere	●
Ruleta reguladora / *Regulatory roulette* / Roulette regulatrice	●



COD.	g
35679	340

EN 397 / EN 50365

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Ventilación / *Ventilation* / Ventilation	–
Visera / *Cap* / Visiere	●
Ruleta reguladora / *Regulatory roulette* / Roulette regulatrice	●



Características
- Casco de protección, con una visera corta a lo largo, destinado a trabajos de altura en el campo de la construcción, obras públicas e industria.
- Formado por un casco y un arnés.

Casco formado por:
- Casco moldeado bajo presión de A.B.S.
- Portalámparas integrado.
- Modelos con (Cod. 35678) o sin (Cod. 35679) ventilación.
- Resistente a bajas temperaturas, –30 °C.
- Aislamiento eléctrico para los modelos sin ventilación (EBT). Símbolo 440 V. - Cod. 35679.
- Casco eléctricamente aislante. - Cod. 35679.
- Utilizados simultáneamente con otros equipos de protección eléctricamente aislantes, previenen del paso de una corriente peligrosa a través de las personas entrando por la cabeza. Válido para modelos sin ventilación.
- Resistente a salpicaduras de metales fundidos.
- Duración de la utilización: 48 meses.
- Válido para su uso con el adaptador para auricular Cod. 35682.

Arnés compuesto por:
- Un arnés textil con 4 puntos de fijación.
- Un adaptador de cabeza de polietileno de baja densidad ajustable desde 53-63 cm.
- Incorpora una maneta autobloqueante en la parte posterior de la nuca y una sudadera de confort de 32 cm.

Characteristics
- *Safety helmet, with a short cap made for working at heights, in the buildings, public works and industry fields.*
- *Formed by a helmet and a harness.*

Helmet formed by:
- *Helmet molded under A.B.S pressure.*
- *Lamp socket integrated.*
- *Models with (Cod. 35678) or without (Cod. 35679) ventilation.*
- *Resistant to low temperatures, –30°C.*
- *Electrical isolation for models without ventilation(EBT). 440 V Symbol - Cod. 35679.*
- *Electrically insulating helmet - Cod. 35679*
- *Used in conjunction with other electrically insulating protective equipment prevent dangerous current from passing through persons via their head. Valid for the model without ventilation.*
- *Resistant to molten metals.*
- *Usage duration: 48 months.*
- *Valid for the use with the ear muff adaptator Cod. 35682.*

Harness formed by:
- *A textile harness with 4 fixing points.*
- *A low density polythene head adapter adjustable from 53-63cm.*
- *Includes a lever on the back of the neck locking and a comfort sweatshirt of 32cm.*

Caractéristiques
- Casque de protection, avec une visière courte autour, destinée aux travaux en hauteur, dans le domaine de la construction, travaux publics et en industrie.
- Composé d'un casque et d'un harnais.

Casque composé de:
- Casque moulé sous pression en ABS.
- Douille intégrée.
- Modèles avec (cod 35678) ou sans (Cod. 35679) ventilation.
- Résistants aux températures basses, de –30°
- Isolation thermique pour les modèles non ventilés (EBT). Symbole 440V - Cod. 35679.
- Casque électriquement isolant - Cod. 35679.
- Utilisés simultanément avec d'autres équipements de protection électriquement isolants, empêchant les courants dangereux de traverser les personnes par la tête. Valable pour les modèles sans ventilation.
- Résistant aux projections de métal en fusion.
- Durée d'utilisation: 48 mois.
- Valable pour être utilisé avec un adapteur pour écouteur Cod. 35682.

Harnais composé de:
- Un harnais textile avec 4 points de fixation.
- Un tour tête en polyéthylène de basse densité réglable de 53-63 cm.
- Une poignée antiblocage est incorporée derrière la nuque ainsi qu'un bandeau anti-sueur de 32 cm.

ACCESORIOS / *ACCESSORIES* / ACCESSOIRES / *ERSATZTEILE* / ACCESSORI / *ACESSORIOS* / ЗАПАСНЫЕ ЧАСТИ

COD.		g	Descripción / *Description* / Description
35682	27 dB	250	Auricular / *Ear-muffs* / Casque

EN 352-3

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Cazoletas ajustables en altura *Cups adjustable in height* Coquilles réglables en hauteur	●
Cazoletas giratorias en todas las direcciones *Ear cups can rotate in all directions* Coquilles giratoires dans tous les sens	●
Adaptador a casco *Helmet adaptor* Adaptateur pour casque	ABS
Cazoletas / *Cups* / Coquilles	ABS

COD.	Descripción / *Description* / Description
35681	Visor policarbonato incoloro *Colourless polycarbonate visor* Visière polycarbonate Incolore

EN 166

COD.	Descripción / *Description* / Description
35680	Adaptador a casco screen holder *Screen holder helmet adapter* Adaptateur à casque screen holder

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Visor policarbonato incoloro + screen holder a casco *Colourless polycarbonate visor + helmet screen holder* Visière polycarbonate incolore + screen holder à casque	●
Visor de protección facial y adaptador de perfil ajustable en longitud *Face protection visor and length adjustable* Visière de protection faciale y adaptateur de profil réglable en longueur	●
Protección contra pequeñas salpicaduras de líquido *Protection against small liquid droplets* Protection contre les petites projections de liquide	●
Protección contra impactos a baja energía (45 m/s) *Protection against low energy impacts (45m/s)* Protection contre les impacts basse énergie (45 m/s)	●
Peso visor + screen holder *Visor + screen holder weight* Poids de la visière + screen holder	175 gr
Adaptador / *Adapter* / Adaptateur Cod. 35680	ABS
Visor / *Visor* / Visière Cod. 35681	Policarbonato incoloro *Colourless Polycarbonate* Polycarbonate incolore



PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

EIGHT WINGS
SECTOR AERONÁUTICO / AEROSPACE SECTOR / SECTEUR AÉRONAUTIQUE
DUBAI / DUBAï







43

ARTÍCULOS PROMOCIONALES
PROMOTIONAL ITEMS
ARTICLES PROMOTIONNELS
WERBEARTIKEL
ARTICOLI PROMOZIONALI
ARTIGOS PROMOCIONAIS
РЕКЛАМНАЯ ПРОДУКЦИЯ



JUEGOS PARA DEMOSTRACION COMERCIAL / *SAMPLE TOOLS SETS* / JEUX POUR DÉMONSTRATION COMMERCIALE / *DEMO WERKZEUGSÄTZE* / KIT PER DIMOSTRAZIONE COMMERCIALE / *KIT PARA DEMONSTRAÇÃO COMERCIAL* / ДЕМОНСТРАЦИОННЫЕ НАБОРЫ ИНСТРУМЕНТОВ





COD.	PCS.		Kg
50086	11	50974	4,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
	62299	Alicate corte diagonal Mastercut / *Diagonal cutting plier Mastercut*	160mm
	76611	Alicate universal Mastercut 1000V / *Combination plier Mastercut 1000V*	235mm
	63915	Cortabridas / *Plastic tie cutter*	-
	AD562957	Llave de estrella de golpe de seguridad total / *Impact offset ring wrench total security*	27mm
	64502	Soporte demostración Mastergear / *Demo-block*	-
1	62685	Llave combinada de carraca reversible Mastergear / *Reversible Mastergear combination ratchet wrench*	13mm
	61727	Llave combinada satinada cromado aeroespacial / *Combination wrench aerospatial chrome plating*	8mm
	70172	Llave combinada antichispa Cu-Be / *Non sparking combination wrench Cu-Be*	8mm
	70684	Llave combinada antichispa Al-Bron / *Non sparking combination wrench Al-Bron*	8mm
	73062	Llave fija una boca 1000V / *Single ended open jaw wrench 1000V*	8mm
	57581	Llave refinería para tubo y válvulas / *Refinery pipe and valve wrench*	10mm

EGA Master
ART IN INNOVATION



COD.	PCS.		Kg
51530	25	50994 (2)	12,5
34000		58608	22

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
	66062	Cordón anticaída retráctil con mosquetón / *Retractable lanyard with carabiner*	400mm
	63915	Cortabridas / *Plastic tie cutter*	-
	66405	Destornillador mecánico / *Slotted screwdriver*	6,5 X 150
	66890	Destornillador electricista / *Electrician screwdriver*	5 X 150
	66053	Porta-tornillos magnético / *Magnetic screwholder*	ø5,5-6
	71669	Llave combinada titanio / *Titanium combination wrench*	8mm
	70684	Llave combinada antichispa Al-Bron / *Non sparking combination wrench Al-Bron*	
	70172	Llave combinada antichispa Cu-Be / *Non sparking combination wrench Cu-Be*	
	73062	Llave fija una boca 1000V / *Single ended open jaw wrench 1000V*	
	61627	Llave combinada pulido espejo / *Combination wrench mirror polished chrome plating*	
	61727	Llave combinada satinada cromado aeroespacial / *Combination wrench aerospatial chrome plating*	
	64502	Soporte demostracion Mastergear / *Demo-block*	-
1	62656	Llave combinada de carraca Mastergear / *Mastergear combination ratchet wrench*	13mm
	63204	Cortatubos para tubo de plástico Piraina / *Plastic pipe cutter Piraina*	42mm
	63119	Cortatubos Unique / *Tube cutter unique*	
	61406	Llave Mastergrip / *Mastergrip wrench*	14"
	61015	Llave heavy duty / *Heavy duty wrench*	10"
	62706	Tenaza de canal auto grip efecto muelle / *Auto grip box joint plier spring effect*	7"
	62299	Alicate corte diagonal Mastercut / *Diagonal cutting plier Mastercut*	160mm
	76611	Alicate universal Mastercut 1000V / *Combination plier Mastercut 1000V*	235mm
	69704	Martillo bola fibra de vidrio / *Ball pein hammer fiberglass*	MOD. A
	57427	Llave de golpe seguridad total / *Total safety slogging wrenches*	24mm
	61221	Llave ajustable gran apertura / *Wide opening adjustable wrench*	8"
	57581	Llave refinería para tubo y válvula / *Refinery pipe and valve wrench*	10"
	62096	Tenaza grip multiposición de gran capacidad / *Multiposition large capacity grip plier*	

TABLET PC ANDROID / *ANDROID TABLET PC* / TABLETTE PC ANDROID / *ANDROID-TABLET-PC* / TABLET PC ANDROID / *TABLET PC ANDROID* / ТАБЛЕТ PC АНДРОИД

COD.
64852



ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Sistema operativo / *Operating system* / Système opérationnel	ANDROID 4.4
Dimensiones / *Dimensions* / Dimensions	265 x 160 x 12 mm
Accesorios / *Accessories* / Accessoires	Cargador. Entrada: 100-240V/3A 50-60HZ. Salida: 5V-2.0A. Enchufe europeo Tipo F | Auriculares | Cable adaptador mini USB macho-USB hembra | Mini USB macho-USB macho / *Power adaptor: input: 100-240 V / 50-60 HZ-Output: 5V-2.0A. European plug Type F | Earphones | Mini USB male-USB female cable adaptor | Mini USB male-USB male* / Chargeur: entrée: 100-240 V / 50-60 HZ-Sortie: 5 V-2.0 A. Prise européenne Type F | Écouteurs | Câble adaptateur mini USB mâle-USB femelle | Mini USB mâle-USB mâle
Pantalla / *Screen* / Écran	Pantalla táctil resistente de alta sensibilidad. Resolución 1024 x 600 pixel / *High-sensitive resistance touch screen. Resolution 1024 x 600 pixel* / Écran tactile résistant de haute sensibilité. Résolution 1024 x 600 pixel
Cámara / *Camera* / Caméra	0.3 MP: Cámara frontal - 2.0 MP: Cámara posterior / *0.3 MP: Front camera - 2.0 MP: Back camera* / 0.3 MP: Caméra frontale - 2.0 MP: Caméra arrière
Color / *Colour* / Couleur	Blanca / *White* / Blanche
Procesador / *Processor* / Processeur	QUAD CORE ARM V7 1,32 GHz
Capacidad de disco duro / *Hard drive capacity* / Capacité du disque dur	RAM: 1 GB DDR / ROM: 8 GB
Tarjeta gráfica / *Graphics card* / Carte graphique	Integrada / *Integrated* / Intégrée
Wi-fi	802.11 b/g/n
Interfaz / *Interface* / Interface	ETHERNET
Micro HDMI	●
Bluetooth	●
Micro USB	●
Puertos USB / *USB ports* / Ports USB	●
Entrada para tarjeta TF / *Built in TF slot* / Entrée pour carte TF	●
Batería de litio / *Lithium battery* / Batterie en lithium	3800 mAh
Autonomía / *Autonomy* / Autonomie	2-6 horas / *2-6 hours* / 2-6 heures
Soporte / *Support* / Support	3G
Pantalla táctil TFT / *Screen Size* / Écran tactile TFT	10.1"
Peso / *Weigth* / Poids	510 gr

SOPORTE FLEXIBLE PARA TABLET PC / *FLEXIBLE HOLDER FOR TABLET PC* / SUPPORT FLEXIBLE POUR TABLETTE PC / *FLEXIBELE HALTER F/TABLET PC* / SUPPORTO FLESSIBILE PER TABLET PC / *SUPORTE FLEXÍVEL PARA TABLET* / ГИБКАЯ ПОДСТАВКА ДЛЯ ПЛАНШЕТА

COD.	
64853	7-10"



CATÁLOGOS / *CATALOGUES* / CATALOGUES / *KATALOGE* / CATALOGHI / *CATÁLOGOS* / КАТАЛОГИ

CATÁLOGO GENERAL / *GENERAL CATALOGUE* / CATALOGUE GÉNÉRAL / *KATALOG* / CATALOGO / *CATÁLOGO* / КАТАЛОГ

COD.
64842



CATÁLOGO SEGURIDAD / *SAFETY CATALOGUE* / CATALOGUE DE SECURITÉ / *SICHERHEITSKATALOG* / CATALOGO DI SICUREZZA / *CATÁLOGO SEGURANÇA* / КАТАЛОГ БЕЗОПАСНОГО ИНСТРУМЕНТА

COD.
64608



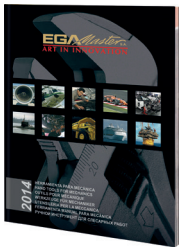
CATÁLOGO DE HERRAMIENTA PARA CONSTRUCCIÓN / *TOOLS FOR CONSTRUCTION CATALOGUE* / CATALOGUE D'OUTILLAGES POUR CONSTRUCTION / *WERKZEUGE FÜR DEN BAU-KATALOG* / CATALOGO DI UTENSILI PER EDILIZIA / *CATÁLOGO DE FERRAMENTA PARA CONSTRUÇAO* / КАТАЛОГ СТРОИТЕЛЬНОГО ИНСТРУМЕНТА

COD.
65704



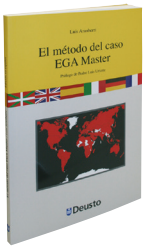
CATÁLOGO DE HERRAMIENTAS PARA MECÁNICA / *HAND TOOLS FOR MECHANICS CATALOGUE* / CATALOGUE D'OUTILS POUR MÉCANIQUE / *HANDWERKZEUGE FÜR MECHANIKER-KATALOG* / CATALOGO PER UTENSILERIA MECCANICA / *CATÁLOGO DE FERRAMENTA MANUAL PARA MECÂNICA* / КАТАЛОГ РУЧНОГО ИНСТРУМЕНТА ДЛЯ МЕХАНИКА

COD.
64843



LIBRO "EL MÉTODO DEL CASO EGAMASTER" / *"THE EGA MASTER CASE STUDY" BOOK* / LIVRE "LA MÉTHODE DU CAS EGA MASTER" / *"DER FALL EGA MASTER" BUCH* / LIBRO "IL METODO DEL CASO EGA MASTER" / *LIVRO "O MÉTODO DA EGA MASTER"* / КНИГА "EGA MASTER: МЕТОДЫ УСПЕХА"

COD.	Idiomas / *Languages* / Langues
64908	CASTELLANO
64909	ENGLISH
64905	FRANÇAIS
65019	DEUTSCH
65063	ITALIANO
64903	PORTUGUÊS
64910	EUSKERA
65720	РУССКИЙ
65020	日本語
65726	עברית



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
TÜVRheinland CERTIFICADO
Management System
ISO 9001:2015
ISO 14001:2015
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CARPETA CORPORATIVA / *CORPORATE FOLDER* / DOSSIER CORPORATIF / *UNTERNEHMENSORDNER* / CARTELLA AZIENDALE / *CAPA CORPORATIVA* / КОРПОРАТИВНЫЙ ПРОСПЕКТ

COD.	Idiomas / *Languages* / Langues
64233	CASTELLANO
64234	ENGLISH
64603	FRANÇAIS





ADHESIVO PUBLICITARIO / *ADVERTISING STICKER* / AUTOCOLLANT PUBLICITAIRE / *WERBEAUFKLEBER* / ADESIVO PUBBLICITARIO / *AUTOCOLANTE PUBLICITÁRIO* / РЕКЛАМНЫЙ СТИКЕР

COD.	L x W (mm)	Idiomas / *Languages* / Langues
64604	600 x 240	CASTELLANO
64606		FRANÇAIS



POSTERS PROMOCIONALES / *PROMOTIONAL POSTERS* / AFFICHES PROMOTIONNELS / *WERBEPLAKATE* / POSTER PROMOZIONALI / *POSTERS PROMOCIONAIS* / РЕКЛАМНЫЕ ПОСТЕРЫ

POSTER PREMIOS / *AWARD PRIZE POSTER* / AFFICHE DES PRIX / *POSTER - AUSZEICHNUNGEN* / POSTER PREMI / *POSTER DE PRÉMIOS* / ПЛАКАТ С НАГРАДАМИ

COD.	L x W (mm)	Idiomas / *Languages* / Langues
64661	470 x 670	CASTELLANO
64662		ENGLISH
64663		FRANÇAIS



POSTER PRODUCTOS / *PRODUCT POSTER* / AFFICHE DE PRODUITS / *WERBE POSTER - PRODUKTE* / POSTER PRODOTTO / *POSTER DE PRÉMIOS* / ПЛАКАТ С НАГРАДАМИ

COD.	L x W (mm)	Idiomas / *Languages* / Langues
64656	500 x 670	CASTELLANO
64657		ENGLISH
64658		FRANÇAIS
64659		ITALIANO
64660		PORTUGUÊS



POSTER MARTILLOS / *HAMMER POSTER* / AFFICHE DE MARTEAUX / *HAMMER-PLAKAT* / POSTER MARTELLI / *POSTER MARTELOS* / ПОСТЕР «МОЛОТКИ И КУВАЛДЫ»

COD.	L x W (mm)	Idiomas / *Languages* / Langues
90346	700x1000	CASTELLANO
90347		ENGLISH



POSTER ALICATES / *PLIER POSTER* / AFFICHE DE PINCES / *ZANGE-PLAKAT* / POSTER PINZE / *POSTER ALICATES* / ПОСТЕР «ПЛОСКОГУБЦЫ»

COD.	L x W (mm)	Idiomas / *Languages* / Langues
90354	700x1000	CASTELLANO
90355		ENGLISH



POSTER HEAVY DUTY / *HEAVY DUTY POSTER* / AFFICHE DE HEAVY DUTY / *HOCHLEISTUNGSPLAKAT* / POSTER HEAVY DUTY / *POSTER HEAVY DUTY* / ПОСТЕР «ИНСТРУМЕНТЫ ДЛЯ БОЛЬШИХ НАГРУЗОК»

COD.	L x W (mm)	Idiomas / *Languages* / Langues
90356	700x1000	CASTELLANO
90357		ENGLISH



POSTER LLAVE ALAVESA / *BASQUE WRENCH POSTER* / AFFICHE DE "CLÉ BASQUE" / *BASKENSCHLÜSSELPLAKAT* / POSTER CHIAVE BASCA / *POSTER CHAVE ALAVESA* / ПОСТЕР «КЛЮЧИ БАССКОГО ТИПА»

COD.	L x W (mm)	Idiomas / *Languages* / Langues
90358	700x1000	CASTELLANO
90359		ENGLISH



VESTUARIO LABORAL / *WORKWEAR* / VÊTEMENTS DE TRAVAIL / *ARBEITSKLEIDUNG* / ABBIGLIAMENTO DA LAVORO / *VESTUÁRIO LABORAL* / РАБОЧАЯ ОДЕЖДА

CAMISA / *SHIRT* / CHEMISE / *SHIRT* / CAMICIA / *CAMISA* / РУБАШКА

COD.	Tallas / *Sizes* / Tailles
90349	S
90350	M
90351	L
90352	XL
90353	XXL





CAMISETA / *T-SHIRT* / TEE-SHIRT / *T-SHIRT* / MAGLIETTA / *CAMISETA* / ФУТБОЛКА

COD.	Tallas / *Sizes* / Tailles
64836	XL



POLO / *T-SHIRT WITH COLLAR* / POLO / *POLOHEMD* / MAGLIETTA POLO / *CAMISETA COM GOLA* / РУБАШКА-ПОЛО

EGA MASTER

COD.	Tallas / *Sizes* / Tailles
90365	M
64837	L
64838	XL



COD.	Tallas / *Sizes* / Tailles
90386	M
90387	L
90388	XL



EGA SOLUTIONS

COD.	Tallas / *Sizes* / Tailles
90389	M
90390	L
90391	XL



CAMISETA TÉCNICA / *TECHNICAL T-SHIRT* / TEE-SHIRT TECHNIQUE / *TECHNIK T-SHIRT* / MAGLIETTA TECNICA / *CAMISETA TÉCNICA* / ТЕХНИЧЕСКАЯ ФУТБОЛКА

COD.	Tallas / *Sizes* / Tailles
90301	L
90302	XL



COD.	Tallas / *Sizes* / Tailles
63944	M
63948	L
63949	XL



CHUBASQUERO / *RAINCOAT* / ANORAK / *WETTERMANTEL* / IMPERMEABILE / *IMPERMEÁVEL* / КУРТКА-ДОЖДЕВИК

COD.	Tallas / *Sizes* / Tailles
90305	M
90306	L
90307	XL





CAZADORA / *JACKET* / VESTE / *JACKE* / GIACCA / *CASACO* / КУРТКА

COD.	Tallas / *Sizes* / Tailles
90393	M
90394	L
90395	XL





CHAQUETA FORRO POLAR / *POLAR JACKET* / VESTE POLAIRE / *SOFTSHELLJACKE* / GIACCA POLARE / *CASACO POLAR* / КУРТКА РАБОЧАЯ УТЕПЛЕННАЯ

COD.	Tallas / *Sizes* / Tailles
90303	S
90304	M
90308	L
90310	XL



CHALECO DE TRABAJO / *WORK VEST* / VESTE DE TRAVAIL / *ARBEITSWESTE* / GILET DA LAVORO / *COLETE DE TRABALHO* / РАБОЧАЯ ЖИЛЕТКА

COD.	Tallas / *Sizes* / Tailles
90331	S
90332	M
90333	L
90334	XL



PANTALÓN DE TRABAJO / *WORK PANTS* / PANTALON DE TRAVAIL / *ARBEITSHOSEN* / PANTALONE DA LAVORO / *CALÇAS DE TRABALHO* / РАБОЧИЕ БРЮКИ

COD.	Tallas / *Sizes* / Tailles
90320	36
90321	38
90322	40
90323	42
90324	44
90325	46
90326	48
90327	50
90328	52
90329	54
90330	56



MERCHANDISING

GORRA / *CAP* / CASQUETTE / *KAPPE* / CAPPELLO / *VISERA* / КЕПКА

COD.
64699



MASCARILLAS REUTILIZABLES / *REUSABLE MASKS* / MASQUE RÉUTILISABLE / *WIEDERVERWENDBARE MASKEN* / MASCHERINE RIUTILIZZABILI / *MÁSCARAS REUTILIZÁVEIS* / МНОГОРАЗОВЫЕ МАСКИ

EGAMASTER

COD.	g
35657	25

UNE 0065/2020



EGASOLUTIONS

COD.	g
35654	25

UNE 0065/2020



ALFOMBRILLA ORDENADOR / *MOUSE PAD* / TAPIS DE SOURIS / *MOUSE PAD* / MOUSE PAD / *TAPETE DE RATO* / КОВРИК ПОД КОМПЬЮТЕРНУЮ МЫШЬ

COD.
64788



POSAVASOS LLAVE ALAVESA / *BASQUE WRENCH COASTER* / DESSOUS DE VERRE "CLÉ BASQUE" / *UNTERSETZER FÜR GLÄSER - ALAVESA* / PORTA COPOS CHAVE ALAVESA / *PORTA BICCHIERI CHIAVE BASCA* / ПОДСТАВКА ДЛЯ СТАКАНА С РАЗВОДНЫМ КЛЮЧЕМ

COD.
64144



POSAVASOS MASTERGRIP / *MASTERGRIP COASTER* / DESSOUS DE VERRE MASTERGRIP / *UNTERSETZER FÜR GLÄSER - MASTERGRIP* / PORTA COPOS MASTERGRIP / *PORTA BICCHIERI MASTERGRIP* / ПОДСТАВКА ДЛЯ СТАКАНА С MASTERGRIP

COD.
64145



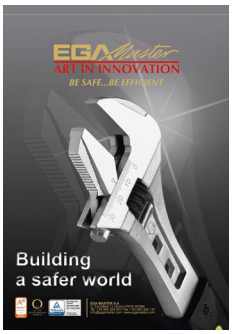
BOLÍGRAFO ANTIDESLIZANTE / *ANTI-SLIPPERY PEN* / STYLO ANTI-DÉRAPANT / *KUGELSCHREIBER, RUTSCHFEST* / PENNA CON GOMMA ANTISCIVOLO / *ESFEROGRÁFICA ANTI-DESLIZANTE* / НЕПРОСКАЛЬЗЫВАЮЩАЯ РУЧКА

COD.
64698



BLOCK DE NOTAS / *NOTES BLOCK* / BLOC-NOTES / *NOTIZBLOCK* / BLOCK NOTE / *BLOCO DE NOTAS* / БЛОКНОТ

COD.	Tamaño / *Size* / Taille
64759	A5
64755	A4



BOLSA DE PLÁSTICO PROMOCIONAL / *PROMOTIONAL PLASTIC BAG* / SAC PLASTIQUE PROMOTIONNEL / *WERBE PLASTIK-BEUTEL* / SACO DE PLÁSTICO PROMOCIONAL / *BORSA DI PLASTICA PROMOZIONALE* / РЕКЛАМНЫЕ ПАКЕТЫ

COD.	L x W x H (mm)
64681	390 x 390 x 800



PORTALATAS REFRIGERADOR / *STUBBY HOLDER* / PORTE CANNETE / *DOSENHALTER GEFRIERER* / PORTABICCHIERE / *REFRIGERADOR DE LATAS E GARRAFAS* / КОРОТКИЙ ДЕРЖАТЕЛЬ

COD. **64695**



PUZZLE / *JIGSAW PUZZLE* / PUZZLE / *PUZZEL* / PUZZLE / *PUZZLE* / ПАЗЛ С НОЖОВКАЙ

COD. **64413**



RELOJ / *WATCH* / MONTRE / *UHR* / OROLOGIO / *RELÓGIO* / BAXTA

COD. **64697**

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Reloj cronómetro "Masterwatch" multiesfera, correa de piel, resistente al agua / *Multisphere, waterproof "Masterwatch" with chronometer and leather belt* / Montre chronomètre "Masterwatch" multisphère, bracelet en cuir, résistante à l'eau



BOLÍGRAFO CON MEMORIA USB (2 GB), PUNTERO LÁSER Y LED / *USB PEN DRIVE (2 GB) WITH LASER AND LED POINTER* / STYLO CLÉ USB (2 GB), POINTEUR LASER ET LED / *USB PEN DIRVE (2 GB) MIT LASER UND LED POINTER* / PENNA CON MEMORIA USB (2 GB), PUNTATORE LASER E LED / *ESFERGRÁFICA COM MEMÓRIA USB (2 GB) COM PONTEIRO LASER E LED* / USB РУЧКА ЛАЗЕРНЫМ УКАЗАТЕЛЕМ И С LED-ОМ

COD. **64705**

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Memoria USB 2 Gb / *2 Gb USB memory card* / Clé USB 2 Gb
Puntero láser clase 2 / *Class 2 lases pointer* / Pointeur laser classe 2
Bolígrafo tinta reemplazable / *Replacable ink ballpen* / Stylo à encre remplaçable
Estuche metálico / *Metallic case* / Étui métallique





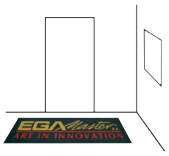
TAZA CERÁMICA / *CERAMIC MUG* / TASSE EN CÉRAMIQUE / *TASSE* / TAZZA DI CERAMICA / *CANECA CERÂMICA* / КЕРАМИЧЕСКАЯ КРУЖКА

COD. **64701**



ALFOMBRA / *CARPET* / TAPIS / *TEPPICH* / TAPPETO / *TAPETE* / КОВЕР

COD.	L x W (mm)
64738	1950 x 650



MANIQUÍ / *MANNEQUIN* / MANNEQUIN / *GLIEDERPUPPE* / MANICHINO / *MANEQUIM* / ДЕМОНСТРАЦИОННЫЙ МАНЕКЕН

COD.
65711

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES
Herramientas antidrop, EPIs y cinturón portaherramientas no incluidos / *Antidrop tools, PPE and tool belt not included* / Outillage antichute, EPI et ceinture porte-outils non inclus



EXPOSITORES / *DISPLAYS* / PRESENTOIRS / *STÄNDER* / ESPOSITORI / *DISPLAY STAND* / СТЕНДЫ

COD.	L x W x H (mm)
90101	1050 x 460 x 2150

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Gancho / *Hook* / Crochet	60
Puertas de metacrilato / *Methacrylate sliding doors* / Porte de méthacrylate	●
Doble cierre / *Double lock* / Double fermeture	●
Iluminación interior / *Interior lighting* / Illumination intérieure	●
Patas regulables en altura / *Adjustable legs in height* / Pattes réglables en hauteur	●



COD.	L x W x H (mm)
90047	980 x 520 x 2150

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Gancho / *Hook* / Crochet	60
Iluminación frontal / *Frontal lighting* / Illumination frontale	●
Patas regulables en altura / *Adjustable legs in height* / Pattes réglables en hauteur	●



COD.	L x W x H (mm)
90171	580 x 370 x 1700

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Baldas / *Shelves* / Étagères	4



COD.	L x W x H (mm)
90188	600 x 600 x 2000

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Gancho / *Hook* / Crochet	150
Número de caras / *Number of sides* / Numéro de faces	4
Con ruedas / *With wheels* / Avec roues	●



CINTA DE SEÑALIZACIÓN DE SEGURIDAD / *SAFETY SIGNAGE TAPE* / RUBAN AVERTISSEUR DE SÉCURITÉ / *SICHERHEITS-BESCHRIFTUNGSBAND* / NASTRO SEGNALETICO DI SICUREZZA / *FITA DE SINALIZAÇÃO DE SEGURANÇA* / МАРКИРОВОЧНАЯ ЛЕНТА

COD.	Dimensiones / *Dimensions* / Dimensions
63988	50 m x 10 cm



BANDERA FLEXIBLE / *FLEXIBLE FLAG* / DRAPEAU FLÉXIBLE

COD.		W x H (mm)
90360	Bandera y estructura / *Flag and structure* / Drapeau et structure	550 x 2900



NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
TÜVRheinland CERTIFICADO
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com ID 0910098048
to the Management Quality

ROLL UP 1500 × 2000

COD.	Lonas / *Pannels* / Panneaux	Idiomas / *Languages* / Langues
11155	12 Gamas	Castellano
11156	12 Ranges	English
11157	12 Gammes	Français



COD.	Lonas / *Pannels* / Panneaux	Idiomas / *Languages* / Langues
11158	Seguridad Titanio/1000V	Castellano
11159	Safety Titanium/1000V	English
11160	Sécurité Titane/1000V	Français



COD.	Lonas / *Pannels* / Panneaux	Idiomas / *Languages* / Langues
11161	Seguridad ATEX/Antichispa	Castellano
11162	Safety Atex/Non-Sparking	English
11163	Sécurité Atex/Antidéflagrant	Français



COD.	Lonas / *Pannels* / Panneaux	Idiomas / *Languages* / Langues
11164	Herramienta y máquinas para tubo	Castellano
11165	Pipe tools and machines	English
11166	Outils et machines pour tubes	Français



PROYECTOS PRINCIPALES
MAIN PROJECTS
PRINCIPAUX PROJETS

FIREBLOCK
ENERGÍA / POWER SECTOR / ÉNERGIE
IRLANDA / IRELAND / IRLANDE







ÍNDICE DE REFERENCIAS
REFERENCE INDEX
INDEX DES RÉFÉRENCES

COD.	CAP.	PAG.
00657	30	867
00658	30	867
00659	30	867
00660	30	867
00661	30	867
00662	30	867
00663	30	867
00664	30	867
00665	30	867
00666	30	867
00667	30	867
00668	30	867
00669	30	867
00670	30	867
00671	30	868
00672	30	868
00673	30	868
00674	30	868
00675	30	868
00676	30	868
00677	30	868
00678	30	867
00679	30	867
00680	30	867
00681	30	867
00682	30	867
00683	30	867
00684	30	867
00685	30	867
00686	30	867
00687	30	867
00688	30	867
00689	30	867
00690	30	867
00958	1	21
11130	2	170
11131	2	170
11155	43	1359
11156	43	1359
11157	43	1359
11158	43	1359
11159	43	1359
11160	43	1359
11161	43	1359
11162	43	1359
11163	43	1359
11164	43	1359
11165	43	1359
11166	43	1359
1XXYY	11	558
2XXYY	11	558
34000	43	1347
35000	37	1101
35001	37	1101
35002	37	1101
35003	37	1101
35004	37	1101
35005	37	1101
35006	37	1101
35007	37	1101
35008	37	1101
35009	37	1101
35010	37	1101
35011	37	1101
35012	37	1101
35013	37	1101
35014	37	1101
35015	37	1101
35016	37	1101
35017	37	1101
35018	37	1101
35019	37	1101
35020	37	1101
35021	37	1101
35022	37	1101
35023	37	1101
35024	37	1101
35025	37	1101
35026	37	1101
35027	37	1101
35028	37	1101
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35030	37	1101
35031	37	1101
35032	37	1101
35033	37	1101
35034	37	1101
35035	37	1101
35036	37	1101
35037	37	1101
35038	37	1101
35039	37	1101
35040	37	1101
35041	37	1101
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35045	37	1102
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35047	37	1102
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35101	37	1101
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35103	37	1101
35104	37	1101
35105	37	1101
35106	37	1101
35107	37	1101
35108	37	1101
35109	37	1101
35110	37	1101
35111	37	1101
35112	37	1101
35113	37	1101
35114	37	1101
35115	37	1101
35116	37	1101
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35136	37	1101
35137	37	1101
35138	37	1101
35139	37	1101
35140	37	1102
35141	37	1102
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35460	37	1113
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35468	37	1112
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35470	37	1112
35471	37	1112
35472	37	1112
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35474	37	1112
35475	37	1112
35476	37	1112
35477	37	1112
35478	37	1112
35479	37	1112
35480	37	1112
35481	37	1112
35482	37	1112
35483	37	1112
35484	37	1112
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35486	37	1112
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35488	37	1112
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35495	37	1112
35496	37	1112
35497	37	1112
35498	37	1112
35499	37	1112
35500	37	1112
35501	37	1112
35502	37	1112
35503	37	1112
35504	37	1112
35505	37	1112
35506	37	1112
35507	37	1112
35508	37	1112
35509	37	1112
35510	37	1112
35511	37	1112
35512	37	1112
35513	37	1112
35514	37	1112
35515	37	1112
35516	37	1112
35517	37	1112
35518	37	1112
35519	37	1112
35520	37	1112
35521	37	1112
35522	37	1112
35523	37	1112
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35525	37	1113
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35530	37	1113
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35532	37	1113
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35535	37	1113
35536	37	1113
35537	37	1113
35538	37	1113
35539	37	1113
35540	37	1113
35541	37	1113
35542	37	1113
35543	37	1113
35544	37	1113
35545	37	1113
35546	37	1113
35547	37	1113
35548	37	1113
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35550	37	1113
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35558	37	1113
35559	37	1113
35560	37	1113
35561	37	1113
35562	37	1113
35563	37	1113
35564	37	1113
35565	37	1113
35566	37	1153
35570	37	1159
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35572	37	1159
35573	37	1159
35574	37	1159
35575	37	1159
35576	37	1159
35577	37	1159
35578	37	1159
35579	37	1159
35580	37	1159
35581	37	1159
35582	37	1159
35583	37	1159
35584	37	1160
35585	37	1160
35586	37	1160
35587	37	1160
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35657	43	1354
35673	42	1338
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35678	42	1342
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35682	42	1343
35700	37	1148
35701	37	1148
35702	37	1148
35703	37	1148
35704	37	1148
35705	37	1148
35706	37	1148
35707	37	1148
35708	37	1148
35709	37	1148
35710	37	1148
35711	37	1148
35712	37	1148
35713	37	1148

COD.	CAP.	PAG.
35714	37	1147
35715	37	1147
35716	37	1147
35717	37	1147
35718	37	1147
35719	37	1147
35720	37	1147
35721	37	1147
35722	37	1147
35723	37	1147
35724	37	1147
35725	37	1147
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65311	8	391	65443	9	485	65574	28	853	65697	28	843	65824	28	849	65917	8	376	65977	8	395	66062	35	971
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65319	8	392	65451	9	496	65582	28	852	65711	43	1357	65832	28	850	65922	9	467	65982	8	369	66070	28	835
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65439	9	485	65569	28	851	65691	28	843	65820	28	849	65910	8	369	65975	8	395	66049	5	237	66204	10	525
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66207	10	525	66294	12	586	66343	12	589	66407	5	221	66525	5	227	66624	6	258	66721	6	275	66767	6	284
66208	10	525	66294	13	602	66343	13	604	66408	5	221	66526	5	228	66625	6	258	66722	6	275	66767	9	416
66209	10	525	66295	12	586	66344	12	589	66409	5	221	66527	5	228	66626	6	258	66723	6	275	66768	6	284
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66217	10	525	66299	12	586	66348	12	589	66417	5	222	66536	6	271	66634	6	260	66729	15	636	66772	6	285
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RECOMENDACIONES DE USO
RECOMMENDATIONS FOR USE
RECOMMENDATIONS D'UTILISATION

Para el correcto uso de la herramienta y la seguridad del operario
For the correct use of the tool and the safety of the user
Pour un usage correct de l'outil et la sécurité de l'opérateur



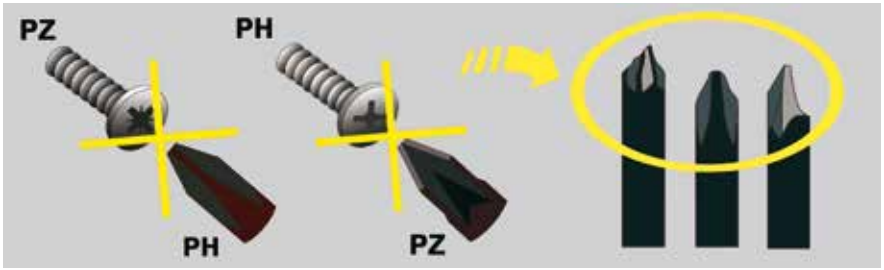
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CONSECUENCIAS DE UNA INCORRECTA UTILIZACIÓN
CONSEQUENCES OF IMPROPER USE
CONSEQUENCE D'UNE UTILISATION INCORRECTE

Herramientas inadecuadas, zonas de contacto reducidas…	*Inadequate tools, insufficient contact surface…*	**Outils inadequats, zone de contact réduite…**



… Resultado: puntas desgastadas, aristas partidas, cabezas de tornillo deterioradas, etc.	*… Results: worn out tips, broken edges, damaged screw heads.*	**… Résultat: pointes usées, arêtes rompues, têtes de tournevis déteriorées, etc.**
Utilizar las herramientas para el trabajo que han sido diseñadas hará que éstas cumplan su objetivo específico, teniendo así la calidad y el resultado deseado.	*Use the tools strictly for the purpose that they were designed for. You will thus obtain the perfect desired result.*	Utiliser les outils selon l'utilisation pour laquelle ils ont ete dessinés permettra qu'ils realisent leur objetif specifique, avec la qualite et le resultat souhaité.

INSTRUCCIONES DE USO Y GARANTÍA DE HERRAMIENTAS ANTICHISPA
NON-SPARKING TOOLS INSTRUCTIONS FOR USE AND WARRANTY
INSTRUCTIONS D'UTILISATIONS ET GARANTIE DE L'OUTIL ANTIDÉFLAGRANT

1. Las herramientas antichispa no pueden alcanzar la dureza de las herramientas convencionales. Por esta razón en su uso se debe tener un especial cuidado, sin sobreesfuerzos ni alta temperatura.
2. Si en toda llave/destornillador es imperativo emplear la medida correspondiente a la tuerca o tornillo, en el caso de las antichispa lo es aún con más razón, ya que si se usara indebidamente una de distinto tamaño al preceptivo, el efecto cizalla que se causaría propiciaría su deterioro.
3. El uso de herramientas antichispa no debe ser la única medida preventiva en áreas en las que se ha diseñado para ello. Otros objetos, como ropa o material presencial, deben también ser adecuadas para aplicaciones antichispa.

1. *Non-Sparking Tools cannot reach the hardness of conventional tools. For this reason the use of Non-Sparking Tools has to be carried out with special care, avoiding overstraining, heating, etc.*
2. *To avoid damage being caused to both tool and fastener, it is necessary to always ensure that the correctly sized spanner/wrench/screwdriver is selected. Due to the reduced strength and wear resistance of Non-Sparking Alloys selecting the correctly sized tool becomes essential to avoid premature wear and early deterioration of the tool.*
3. *The use of Non-Sparking Tools must not be the only preventive measure in areas which the items are designed for. Other items, clothes or present material must also be adequate for non-sparking purposes.*

1. L'outillage anti-déflagrant ne peut avoir la même dureté que l'outillage traditionnel. Pour cela, il requierre une attention spéciale, en évitant la surcharge, la chaleur…
2. S'il est impératif dans tous tournevis/clés d'employer la dimension correspondante à l'écrou ou à la vis, il est encore plus vital dans le cas de l'anti-déflagrant, puisque s'il s'utilise de façon incorrecte la dimension obligatoire, l'effet cisaille causé favoriserai sa détérioration.
3. L'utilisation d'outillage anti-déflagrant ne doit pas être le Seúl moyen de prévention dans les environnements pour lequel il est concu. D'autres objets, comme les vêtements et matériaux présents doivent aussi être adaptés aux applications anti-déflagrantes.

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UTILIZACIÓN CORRECTA / *CORRECT USE* / UTILISATION CORRECTE



La medida nominal de la herramienta de maniobra debe corresponder con la medida nominal de la pieza a maniobrar.
The nominal size of the tool must correspond to the nominal size of the part on which the tool will be applied.
La mesure nominale de l'outil de manoeuvre doit correspondre avec la mesure nominale de la pièce à manoeuvrer.



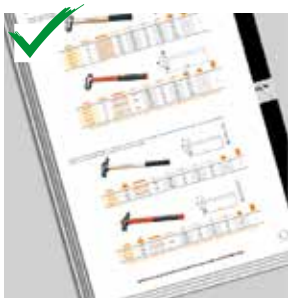
Comprobar el estado de desgaste de las herramientas y cambiar las que están deterioradas.
Check frequently the state of the tool and replace those that are worn out or damaged.
Vérifier l'état d'usure des outils et changer ceux qui sont détériorés.



Asegurarse de emplear el destornillador que corresponde a la medida del tornillo y de que la punta de este esté correctamente colocada en la cabeza del mismo.
Please make sure that the screwdriver you are using corresponds to the size of the screw and that the tip is correctly positioned on the head.
S'assurer d'utiliser le tournevis qui correspond à la dimension de la vis et que la pointe de celui-ci soit correctement placée sur la tête de la vis.



Antes de desplazar los carros porta herramientas se deben cerrar las puertas, los cajones y otras piezas corredizas.
Before moving roller cabinets always close all trays, drawers and doors.
Avant de déplacer les chariots porte-outils, les portes, tiroirs et autres élements coulissants doivent être fermés.



Informarse de las condiciones y limitaciones del uso de cada herramienta.
Learn the uses and limitations of each tool.
S'informer des conditions et des limites d'usage de chaque outil.



Cuando la herramienta es de percusión, asegurarse que la superficie de percusión sea mayor que la superficie percutida.
With striking tools make sure that the striking surface is bigger than the surface striked.
Quand l'outil est de percussion, s'assurer que la superficie de percussion soit supérieure à la superficie percutée.



Utilizar los equipos de protección individual, cuando las condiciones laborales lo requieran.
Use safety equipment when appropriate.
Utiliser les équipements de protection individuelle quand les conditions de travail l'exigent.



Accionar el freno del carro porta herramienta una vez alcanzada la posición de trabajo deseada.
Once you reach the intended location for the roller cabinets put on the break.
Actionner le frein du chariot porte-outils une fois atteint la position de travail désirée.

RECOMENDACIONES DE USO
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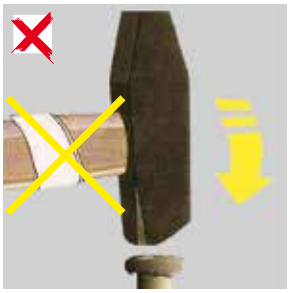
UTILIZACIÓN INCORRECTA / *INCORRECT USE* / UTILISATION INCORRECTE



No utilizar como palanca herramientas que no se han diseñado para tal uso, como, por ejemplo, destornilladores, cortafríos, punzones, etc.

Do not use for leverage tools that have not been designed for that purpose, such as screwdrivers, chisels, punches, etc.

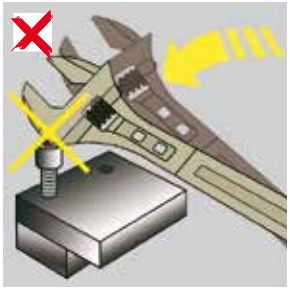
Ne pas utiliser comme levier des outils qui n'aient pas été dessinés pour cet usage comme par exemple des tournevis, ciseaux, pointeaux . . .



No utilizar herramientas deterioradas.

Do not use worn out or damaged tools.

Ne pas utiliser d'outils deteriorés.



No utilizar para golpear ninguna herramienta que no haya sido diseñada para tal uso.

Do not use for striking purposes tools that have not been designed for that.

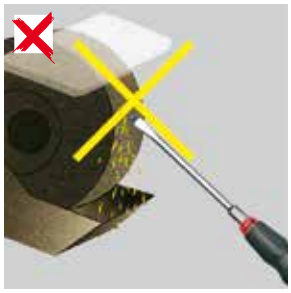
Ne pas utiliser pour frapper, des outils qui n'aient pas été dessinés pour cet usage.



En caso de carros porta herramientas, no abrir más de un cajón al mismo tiempo.

Do not open at once more than one drawer of the roller cabinet.

En cas d'utilisation de chariot porte-outils, ne pas ouvrir plus d'un tiroir en même temps.



No modificar estructuralmente la herramienta.

Do not modify the structure of the tool.

Ne pas mofidier l'outil au niveau de la structure.



Con el objeto de aumentar la fuerza transmitida, no percutir herramientas que no se han diseñado para ese uso.

Do not strike tools not designed for such purpose, trying to get higher transmitted force.

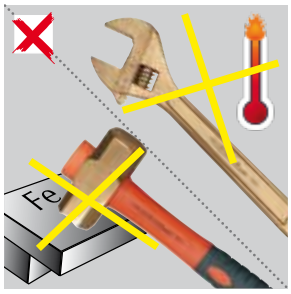
Dans l'optique d'augmenter la force transmise, ne pas percuter des outils qui n'aient pas été dessinés pour cet usage.



No utilizar alargaderas o prolongadores para aumentar el par transmitido por la herramienta en uso.

Do not use extensions to increase the torque of the tool in use.

Ne pas utiliser de rallonges ou de prolongateurs pour augmenter le couple transmis par l'outil utilisé.



Las herramientas antichispa no pueden alcanzar la dureza de las herramientas convencionales. Por eso hay que evitar sobrecargas y alta temperatura.

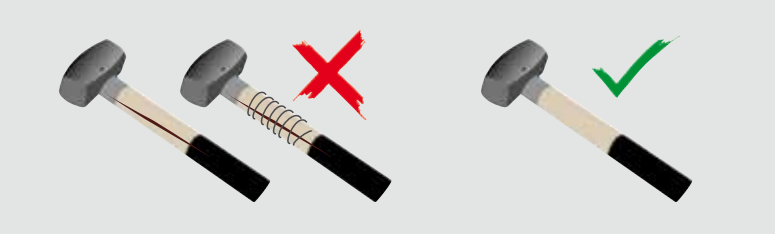
Non-Sparking Tools cannot reach the hardness of conventional tools. So you have to avoid overlouds and high temperature.

L'outillage anti-déflagrant ne peut pas avoir la même dûreté que l'outillage traditionnel. Donc, vous devez éviter les surcharges et la haute température.

RECOMENDACIONES DE USO PARA MARTILLOS
RECOMMENDATIONS FOR USE OF HAMMERS
RECOMMENDATIONS D'UTILISATION POUR LES MARTEAUX

MEDIDAS PREVENTIVAS - Inspección y recomendaciones de uso
PRECAUTIONARY MEASURES - Inspection and recommendations for use
MESURES PRÉVENTIVES - Inspection et recommandations d'utilisation

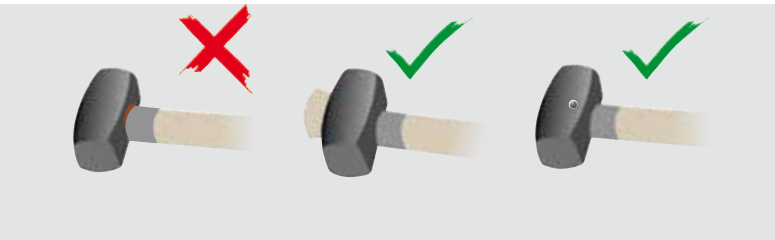
INSPECCIÓN / *INSPECTION* / INSPECTION



No utilizar un martillo con el mango deteriorado o reforzado con cuerdas o alambres.

Do not use a hammer with a damaged handle or reinforced with ropes or wires.

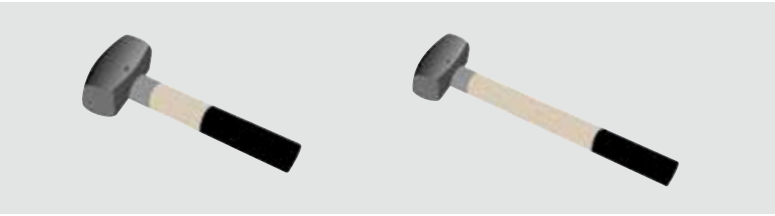
N'utilisez pas de marteau dont la poignée est endommagée ou renforcée par des cordes ou des fils.



Antes de utilizar un martillo asegurarse que el mango está perfectamente unido a la cabeza. En mango cónico, cabeza bien encastrada; en resto, resina, cuña y pasador en buen estado. En aquellos que incorporen pasador de seguridad, su función es que cuando la cabeza pierda sujeción, no salga despedida. Su función no es seguir trabajando con ella. En cuanto se note la holgura en la cabeza, se debe descartar su uso.

Before using a hammer, make sure that the handle is perfectly attached to the head. In conical shank, well set head; in rest, resin, wedge and pin in good condition. In those that incorporate a safety pin, its function is that when the head loses its grip, it does not fly off. Your role is not to continue working with her. As soon as the slack in the head is noticed, its use should be discarded.

Avant d'utiliser un marteau, assurez-vous que la poignée est parfaitement attachée à la tête. En tige conique, tête bien fixée; au repos, résine, cale et épingle en bon état. Dans ceux qui intègrent une goupille de sécurité, sa fonction est que lorsque la tête perd sa prise, elle ne s'envole pas. Votre rôle n'est pas de continuer à travailler avec elle. Dès que le mou dans la tête est remarqué, son utilisation doit être écartée.



Seleccionar un martillo de tamaño y dureza adecuados para cada una de las superficies a golpear.

Select a hammer of suitable size and hardness for each of the surfaces to be struck.

Sélectionnez un marteau de taille et de dureté appropriées pour chacune des surfaces à frapper.



No utilizar martillos con la cabeza floja, cuña suelta o resina dañada.

Do not use hammers with a loose head, loose wedge, or damaged resin.

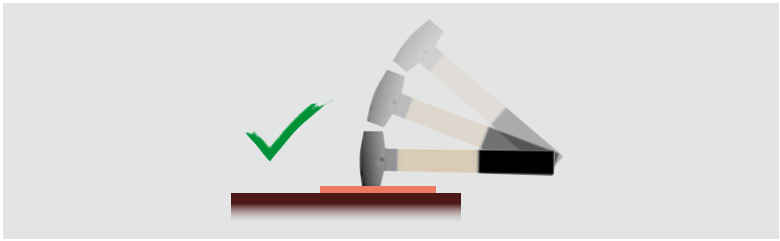
N'utilisez pas de marteaux avec une tête lâche, une cale lâche ou une résine endommagée.

RECOMENDACIONES DE USO PARA MARTILLOS
RECOMMENDATIONS FOR USE OF HAMMERS
RECOMMENDATIONS D'UTILISATION POUR LES MARTEAUX

Utilizar gafas de seguridad homologadas.
Use approved safety glasses.
Utilisez des lunettes de sécurité approuvées.



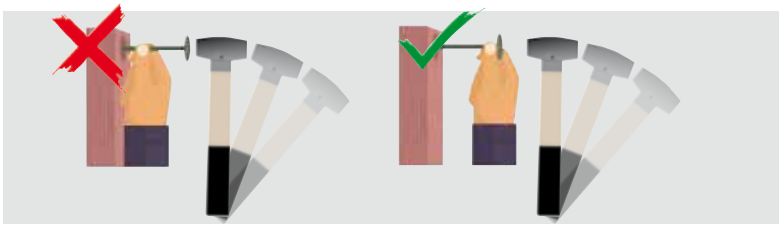
RECOMENDACIONES DE USO / RECOMMENDATIONS FOR USE / RECOMMANDATIONS D'UTILISATION



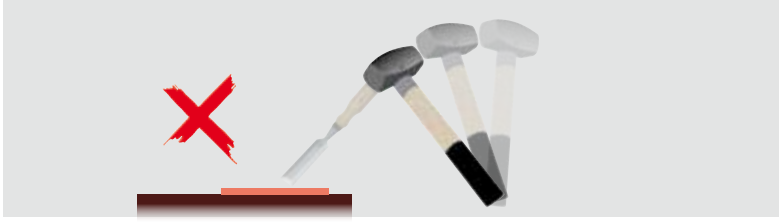
Observar que la pieza a golpear se apoya sobre una base sólida para evitar rebotes. Procurar golpear sobre la superficie de impacto con toda la cara del martillo.
Note that the piece to be hit rests on a solid base to avoid rebounding. Try to hit the impact surface with the entire face of the hammer.
Notez que la pièce à frapper repose sur une base solide pour éviter les rebonds. Essayez de frapper la surface d'impact avec toute la face du marteau.



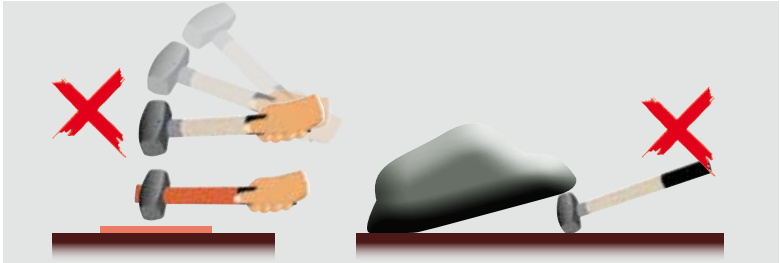
Sujetar el mango por el extremo en todo su perímetro.
Hold the handle by the end around its entire perimeter.
Tenez la poignée par l'extrémité sur tout son périmètre.



En el caso de tener que golpear clavos, éstos se deben sujetar por la cabeza y no por el extremo.
In the case of having to strike nails, they must be held by the head and not by the end.
Dans le cas où il faut frapper des clous, ils doivent être tenus par la tête et non par la fin.



No golpear con el lateral de la cabeza del martillo.
Do not hit with the side of the hammer head.
Ne frappez pas avec le côté de la tête du marteau.



No utilizar un martillo para golpear otro, otra herramienta auxiliar, o como palanca.
Do not use a hammer to strike another, another auxiliary tool, or as a lever.
N'utilisez pas de marteau pour frapper un autre, un autre outil auxiliaire ou comme levier.

EQUIVALENCIAS | *EQUIVALENCES* | ÉQUIVALENCES

Tamaño de la boca *Size of the jaws* Dimension de la bouche		Llave *Wrench* Clé			Tuerca o perno común *Nut or bolt common* Écrou ou boulon basique
mm	Pulgadas *Inches* Pouces	Métrica *Metric* Métrique AF: Entre caras *Across flats* Entre têtes	Pulgadas *Inches* Pouces AF: Entre caras *Across flats* Entre têtes	Británica *British* Britannique	(* No recomendados) *(* Non recommended)* (* Non recommandés)
2,97	0,117			10BA	
3,2	0,126	3,2 mm			M1.6
3,33	0,131			9BA	
3,86	0,152			8BA	
3,97	0,156		5/32 AF		Nº 0 UNC
4	0,157	4 mm			M2
4,37	0,172			7BA	
4,76	0,188		3/16 AF		Nº 2 UNC
4,9	0,193			6BA	
5	0,197	5 mm			M2.5
5,5	0,217	5,5 mm			M3
5,56	0,219		7/32 AF		
5,59	0,22			5BA	
5,95	0,234		15/64 AF		
6	0,236	6 mm			M3.5*
6,3	0,248			4BA	
6,35	0,25		1/4 AF		Nº 4 UNC
7	0,276	7 mm			M4
7,14	0,281		9/32 AF		
7,16	0,282			3BA	
7,94	0,313		5/16 AF		Nº 6 y Nº 10 UNC UNC (perno / *bolt* / boulon)
8	0,315	8 mm			M5
8,23	0,324			2BA	
8,59	0,338			1/8 W; 3/16 BSF	
8,73	0,344		11/32 AF		Nº 8 UNC
9	0,354	9 mm			
9,27	0,365			1BA	
9,53	0,375		3/8 AF		Nº 10 UNC (tuerca / *nut* / écrou)
10	0,394	10 mm			M6
10,49	0,413			0BA	
11	0,433	11 mm			M7*
11,11	0,438		7/16 AF		1/4 UNF
11,3	0,445			3/16 W; 1/4 BSF	
12	0,472	12 mm			
12,7	0,5		1/2 AF		5/16 UNF
13	0,512	13 mm			M8
13,34	0,525			1/4 W; 5/16 BSF	
14	0,551	14 mm			
14,29	0,563		9/16 AF		3/8 UNF
15	0,591	15 mm			
15,24	0,6			5/16 W; 3/8 BSF	
15,88	0,625		5/8 AF		7/16 UNF (perno / *bolt* / boulon)
16	0,63	16 mm			
17	0,669	17 mm			M10
17,46	0,688		11/16 AF		7/16 UNF (tuerca / *nut* / écrou)
18	0,709	18 mm			
18,03	0,71			3/8 W; 7/16 BSF	
19	0,748	19 mm			M12
19,05	0,75		3/4 AF		1/2 UNF

Tamaño de la boca *Size of the jaws* Dimension de la bouche		Llave *Wrench* Clé			Tuerca o perno común *Nut or bolt common* Écrou ou boulon basique
mm	Pulgadas *Inches* Pouces	Métrica *Metric* Métrique AF: Entre caras *Across flats* Entre têtes	Pulgadas *Inches* Pouces AF: Entre caras *Across flats* Entre têtes	Británica *British* Britannique	(* No recomendados) *(* Non recommended)* (* Non recommandés)
20	0,787	20 mm			
20,64	0,813		13/16 AF		9/16 UNF (perno / *bolt* / boulon)
20,83	0,82			7/16 W, 1/2 BSF	
21	0,827	21 mm			
22	0,866	22 mm			M14*
22,23	0,875		7/8 AF		9/16 UNF (tuerca / *nut* / écrou)
23	0,906	23 mm			
23,37	0,92			1/2 W; 9/16 BSF	
23,81	0,938		15/16 AF		5/8 UNF
24	0,945	24 mm			M16
25	0,984	25 mm			
25,4	1		1 AF		
25,65	1,01			9/16 W; 5/8 BSF	
26	1,024	26 mm			
26,99	1,063		1-1/16 de AF		
27	1,063	27 mm			M18*
27,94	1,1			5/8 W; 11/16 BSF	
28	1,102	28 mm			
28,58	1,125		1-1/8 AF		3/4 UNF
30	1,181	30 mm			M20
30,48	1,2			11/16 W, 3/4 BSF	
31,75	1,25		1-1/4 AF		
32	1,26	32 mm			M22*
33,02	1,3			3/4 W; 7/8 FBS	
33,34	1,313		1-5/16 de AF		7/8 UNF
34	1,339	34 mm			
35,31	1,39			13/16 W	
36	1,417	36 mm			M24
36,51	1,438		1-7/16 de AF		
37,59	1,48			7/8 W; 1 BSF	
38	1,496	38 mm			
38,1	1,5		1-1/2 AF		1 UNF
40,13	1,58			15/16 W	
41	1,614	41 mm			M27*
41,28	1,625		1-5/8 AF		
42,42	1,67			1 W; 1-1/8 BSF	
42,86	1,688		1-11/16 AF		1-1/8 UNF
46	1,811	46 mm			M30
46,04	1,813		1-13/16 AF		
47,24	1,86			1-1/8 W; 1-1/4 BSF	
47,63	1,875		1-7/8 AF		1-1/4 UNF
50	1,969	50 mm			M33*
50,8	2		2 AF		
52,07	2,05			1-1/4 W; 1-3/8 BSF	
52,39	2,063		2-1/16 de AF		1-3/8 UNF
55	2,165	55 mm			M36
55,56	2,188		2-3/16 de AF		
56,39	2,22			1-3/8 W; 1-1/2 BSF	
57,15	2,25		2-1/4 AF		1-1/2 UNF
60	2,362	60 mm			M39*

MEDIDAS PARA TORNILLOS MÉTRICOS Y PARES DE APRIETE
MEASURES FOR METRIC SCREWS AND TIGHTENING VALUES
MESURES POUR TOURNEVIS MÉTRIQUES ET COUPLES DE SERRAGE

MEDIDA NOMINAL NOMINAL SIZE MESURE NOMINALE	CABEZA HEXAGONAL /HEXAGONAL HEAD / TÊTE HEXAGONALE			CABEZA CILÍNDRICA / HEX. SOCKET SCREW / TÊTE CYLINDRIQUE			TORX **		TRIPLE SQUARE	PAR DE APRIETE RECOMENDADO RECOMMENDED TIGHTENING TORQUE / COUPLE DE SERRAGE RECOMMANDÉ (NM)				
										GRADO STRENGTH GRADE				
	ESTÁNDAR STANDARD STANDARD	COMPACTA COMPACT COMPACT	ALTA RESISTENCIA HIGH RESISTANCE HAUTE RÉSISTANCE	ESTÁNDAR STANDARD STANDARD	CABEZA GOTA BUTTON HEAD TÊTE GOUTTE	ESPÁRRAGO ALLEN SET SCREW GOUPILLE ALLEN	T	E	XZN	4.6	6.8	8.8	10.9	12.9
M2	4			0,5		0,9	T6 T8			0,12	0,24	0,32	0,45	0,54
M2,5	5			2		1,3	T8		M3	0,25	0,49	0,65	0,92	1,1
M3	5.5			2,5	2	1,5	T10	E4	M3	0,43	0,87	1,16	1,63	1,96
M3,5	(6)						T15			0,68	1,37	1,82	2,56	3,08
M4	7			3	2,5	2	T20 T25	E5	M4	1,01	2,02	2,7	3,79	4,54
M5	8			4	3	2,5	T25 T27	E6	M5	2,04	4,09	5,47	7,67	9,18
M6	10			5	4	3	T30	E8	M6	3,47	6,97	9,27	13	15,6
M7	11						T40	E8		5,85	11,6	15,5	21,8	26,2
M8	13	(12)		6	5	4	T40 T45	E10	M8	8,41	16,9	22,5	31,6	37,9
M10	16 (17)	(14)		8	6	5	T50	E12	M10	16,7	33,4	44,5	62,6	75,2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	M12	29,1	58,3	77,6	109	131
M14	21 (22)	(19)		12			T55 T60	E14 E18	M14	46,4	92,7	124	174	209
M16	24	(22)	27	14	10	8	T60 T70	E16 E20	M16	72,3	145	194	271	325
M18	27	(24)		(14)			T70 T80	E24	M18	100	199	266	373	447
M20	30 (32)	(27) (29)	32	17	12	10	T80 T90	E24		141	282	376	529	635
M22	34 (32) (35)	(30) (32)	36	(17)			T90 T100	E28		192	384	511	720	865
M24	36 (38)	(32) (35)	41	19		12	T100	E32		244	488	650	915	1100
M27	41	(36)	46	(19)				E32		358	713	951	1340	1610
M30	46	(41)	50	22				E36		484	971	1290	1820	2180
M33	50	(46)		(24)				E40		661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)						1100	2190	2920	4110	4930
M42	65 (63)			32						1350	2710	3610	5080	6080
M45	70 (67)			(32)						1700	3400	4540	6370	7630
M48	75 (71)			36						2030	4060	5440	7620	9120
M52	80 (77)			(36)						2640	5290	7040	9880	11800
M56	85			41						3270	6560	8710	12300	14800
M60	90									4080	8180	10900	15300	18300
M64	95			46						4930	9890	13100	18500	22300
M68	(100)									5970	12000	16000	22500	27000

*Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US)
*For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)
*Pour vis TORX® (Marque enregistrée par Acument IntellectualProperties, LLC, Troy, Mich., US)



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International Quality Innovation Award EGA Solutions, Excellence Finland Laatukeskus, Moscú 2022
International Quality Innovation Award EGA Solutions, Excellence Finland Laatukeskus, Moscow 2022
International Quality Innovation Award EGA Solutions, Excellence Finland Laatukeskus, Moscou 2022

Quality Innovation Award EGA Solutions, Euskalit 2021
Quality Innovation Award EGA Solutions, Euskalit 2021
Quality Innovation Award EGA Solutions, Euskalit 2021

ISO 37001 Compliance-Antisoborno, 2021
ISO 37001 Commpliance Anti-bribery Management Systems, 2021
ISO 37001 Compliance-Anticorruption, 2021

ISO 45001, 2020
ISO 45001, 2020
ISO 45001, 2020

Producto Más Innovador (Feria NSC de Seguridad, San Diego, EEUU, 2019)
"Best in Show" New Product Showcase Awards (National Safety Council 2019 Congress & Expo, San Diego, USA)
Produit le plus innovateur (Salón NSC de Sécurité, San Diego, EUA, 2019)

Premio Banco Santander a la empresa del año, 2019
Banco Santander Award to the Company, 2019
Prix Banco Santander à l'entreprise de l'année, 2019

International Quality Innovation Award, Beijing 2019
International Quality Innovation Award, Beijing 2019
International Quality Innovation Award, Beijing 2019

Quality Innovation Award, Euskalit 2018
Quality Innovation Award, Euskalit 2018
Quality Innovation Award, Euskalit 2018

Premio Confebask, Mejor Instructor, 2018
Confebask Award, Best Instructor, 2018
Prix Confebask, Meilleur Instructeur, 2018

Premio Pacto Verde a las buenas prácticas medioambientales, 2018
Green Pact Award for good environmental practices, 2018
Prix Pacte Vert aux bonnes pratiques environnementales, 2018

Empresa del año 2018, El Correo – Banco Sabadell
Company of the year 2018, El Correo - Banco Sabadell
Entreprise de l'année 2018, El Correo – Banco Sabadell

Premio a la Innovación Industrial Vodafone-Deia, 2017
Vodafone-Deia Industrial Innovation Award, 2017
Pris de l'innovation industrielle Vodafone-Deia 2017

Premio BANKIA-ACOCEX a la Trayectoria Internacional, 2016
International Business Award BANKIA-ACOCEX, 2016
Prix BANKIA ACOCEX pour son Parcours International, 2016

Quality Innovation Award, Euskalit 2016
Quality Innovation Award, Euskalit 2016
Quality Innovation Award, Euskalit 2016

Sello Pyme Innovadora del Ministerio Español de Economía y Competitividad, 2016
Innovative SME Stamp from the Spanish Ministry of Economy and Competitiveness, 2016
Label de la PME Innovatrice du Ministère Espagnole de l'Economie et de Compétitivité, 2016

Premio Juan José Azurmendi a la Trayectoria Empresarial, 2014
Employers Federation Award for a Lifelong Entrepreneurial Achievement, 2014
Prix Juan José Azurmendi à la Trajectoire Entrepreneuriale, 2014

Premio Lazarraga, 2014
Basque Language Award, 2014
Prix de la Langue Basque, 2014

OHSAS 18001, 2014
OHSAS 18001, 2014
OHSAS 18001, 2014

Certificado Bai Euskarari, 2014
Linguistic Certification, 2014
Certification Linguistique, 2014

Premio a la Internacionalización de la Cámara de Comercio de Álava, 2013
Internationalization Award, Chamber of Commerce, 2013
Prix à l'Internationalisation de la Chambre de Commerce d'Alava, 2013

Premio a la Internacionalización de IE Business School e Iberinform, 2013
International Business Award 2013 by IE Business School, 2013
Prix à l'Internationalisation de IE Business School et Iberinform, 2013

Premio al Producto Más Innovador, Ferroforma 2013
Award to the Most Innovative Industrial Product, Ferroforma 2013
Prix au Produit le Plus Innovateur, Ferroforma 2013

Certificado de Calidad BIKAIN, 2013
BIKAIN certificate, 2013
Certificat de qualité BIKAIN, 2013

Ruban d'Honneur, European Business Awards 2012/13
Ruban d'Honneur, European Business Awards 2012/13
Ruban d'Honneur, European Business Awards 2012/13

Premio Internacional al Mejor Modelo de Negocio, 2012
International Award by Development Systems to the Best Business Model, 2012
Prix International au Meilleur Modèle d'Entreprise, 2012

Premio a la Internacionalización, Club de Exportadores e Inversores, 2011
Internationalization Award by The Spanish Exporters and Investors Club, 2011
Prix de l'internationalisation, Club des Exportateurs et Investisseurs, 2011

Premio Finalista en Innovación CEX Asociación Española de Centros de la Excelencia, 2011
Finalist Award for Best Practice in Innovation 2011, by CEX Spanish Association of Centers of Excellence
Prix Finaliste en Innovation CEX Association Espagnole des Centres d'Excellence, 2011

Premio Nacional al Relevo Generacional, 2010
Company Succession National Award, 2010
Prix national a la relève générationnel, 2010

Premio Iberoamericano de la Calidad y Excelencia 2010, Premio Oro
Iberoamerican Award for Quality Managament & Excellence 2010
Prix Ibéro-américain de la Qualité et l'Excellence 2010, Prix d'Or

Medalla de Oro por la Oficina Nacional de la Normalización de Cuba, 2010
Gold Medal, National Office of Standards and Normalization of Cuba, 2010
Médaille d'Or par le Bureau National de la Normalisation de Cuba, 2010

Premio Dato de Oro a la Empresa Solidaria, 2010
"Dato de Oro" Award on Corporate Social Responsability, 2010
Prix Dato d'Or à l'Entreprise Solidaire, 2010

Premio Europeo a la Mejor Práctica de Innovación, Foro EFQM 2010
European Award to the Best Practice in Innovation, by the EFQM Forum, 2010
Prix Européen à la Meilleure Pratique d'Innovation, Forum EFQM 2010

Premio Finalista a la Excelencia Industrial por IESE (España), INSEAD (Francia) y WHU (Alemania), 2010
Industrial Excellence Finalist Award by IESE (Spain), INSEAD (France) and WHU (Germany) Business Schools, 2010
Prix finaliste à l'Excellence Industrielle attribué par IESE (Espagne), INSEAD (France) et WHU (Allemagne), 2010

Premio Gran Emprendedor, 2010
Great Entrepreneur Award for the Founder and Chairman of EGA Master, 2010
Prix Grand Entrepreneur, 2010

Premio I+D+i en Herramientas de Seguridad, 2010
R&D Award for Safety Tools, 2010
Prix R&D+i pour les Outils de Sécurité, 2010

Q de Oro EFQM, 2009
EFQM Golden Q Award, 2009
Q d'Or EFQM, 2009

Premio Human a la Estrategia Basada en Personas, 2009
Human Award for its Strategy Based on People, 2009
Prix Human pour la Stratégie Basée sur les Personnes, 2009

Premio ICIL a la Excelencia Logística, 2009
ICIL Award to Excellence in Logistics, 2009
Prix ICIL à l'excellence en Logistique, 2009

ISO 9001:2008, 2009
ISO 9001:2008, 2009
ISO 9001-2008, 2009

Premio Finalista a la Mejor Web Corporativa, 2009
Finalist Award to the Best Company Website, March 2009
Prix Finaliste au Meilleur Site Web Corporatif, 2009

Premio Príncipe Felipe a la Excelencia en Competitividad Empresarial, 2008
Principe Felipe Award to Corporate Excellence in Competitiveness, 2008
Prix Príncipe Felipe à l 'Excellence en Compétitivité Entrepreunariale, 2008

Premio Finalista Príncipe Felipe a la Excelencia Empresarial en Internacionalización, 2008
Principe Felipe Finalist Award to Corporate Excellence in Internationalization, 2008
Prix Finaliste Principe Felipe a l'Excellence Entreprise en Internationalisation, 2008

Premio Toribio Echevarría de Internacionalización, 2008
Toribio Echevarría Export Award, 2008
Prix Toribio Echevarría de l'Internationalisation, 2008

Medalla de Oro al Diseño por la Oficina Nacional de la Normalización de Cuba, 2008
Gold Medal by the Cuban Office of Normalization, 2008
Médaille d'Or au Design par le Bureau National de la Normalisation de Cuba, 2008

Q de Plata EFQM, 2008
EFQM Silver Q Award, 2008
Q d'Argent EFQM, 2008

Premio Finalista Dato de Oro a la Empresa Solidaria de Álava, 2008
"Dato de Oro" Finalist Award on Corporate Social Responsibility, 2008
Finaliste Dato d'Or à l'Entreprise Solidaire d'Álava, 2008

La Llave Alavesa de EGA Master elegida para la Exposición "La Utilidad del Diseño" del Círculo de Bellas Artes, 2008
The Fine Arts Circle of Spain choses the Basque Wrench for its "Usefulness of Design" Exhibition 2008
La Clé Basque d'EGA Master élue pour l'exposition « l'Utilité du Dessin » du Cercle des Beaux Arts, 2008

Premio a la Integración Profesional de los Jóvenes de la Fundación Novia Salcedo, 2008
Excellence Award to the Professional Integration of Young People by Novia Salcedo Foundation, 2008
Prix à l'Intégration Professionnelle des Jeunes de la Fondation Novia Salcedo, 2008

Premio Mejor Producto del Año a la Mastergrip, 2007
Best Product Award for Mastergrip, 2007
Prix du Meilleur Produit de l'Année à la Mastergrip, 2007

Premio al Mejor Diseño de la Oficina Nacional de Diseño Industrial de Cuba, 2007
Best Design Award National Office of Industrial Design of Cuba, 2007
Prix au Meilleur Design du Bureau National du Design Industriel de Cuba, 2007

ISO 14001:2004, 2007
ISO 14001:2004, 2007
ISO 14001-2004, 2007

5 Medallas obtenidas en el Salón Internacional de la Invención de París, "Concours Lepine", París 2007
5 Medals received at the International Invention Competition in Paris, "Concours Lepine" April 2007
5 Médailles obtenues au Salon International de l'Invention de Paris, "ConcourS Lepine", Paris 2007

Premio a la Calidad, otorgado por el Ministerio de la Construcción de Cuba, 2007
Quality Award, Ministry of Construction of Cuba, 2007
Prix à la Qualité, attribué par le Ministère de la Construction de Cuba, 2007

Premio a la Mejor Idea en Herramientas del Club de Inventores Españoles, 2007
Best Tool Award by "Spanish Inventor's Club", 2007
Prix à la Meilleure Idée en Outillage du Club des Inventeurs Espagnols, 2007

Medalla de Oro a la Calidad de la Oficina Nacional de la Normalización de Cuba, 2006
Gold Medal, National Office of Standards and Normalization of Cuba 2006
Médaille d'Or à la Qualité du Bureau National de la Normalisation de Cuba, 2006

Premio al Mejor Diseño de la Oficina Nacional de Diseño Industrial de Cuba a la Llave Vasca, 2006
Best Design Award, National Office of Industrial Design of Cuba, 2006
Prix du Meilleur Dessin du Bureau National de Dessin Industriel de Cuba pour la Clé Basque, 2006

Premio Finalista Príncipe Felipe a la Excelencia Empresarial, 2005
Principe Felipe Finalist Award to Corporate Excellence, 2005
Prix Finaliste Principe Felipe à l'Excellence Industrielle, 2005

Q de Plata EFQM, 2005
EFQM Silver Q Award, 2005
Q d'Argent EFQM, 2005

Premio ARGILAN "Empresa y Empleo en Igualdad", 2005
ARGILAN Award for Gender Equality at the Work Place, 2005
Prix ARGILAN "Entreprise et Emploi en Egalité", 2005

5 Medallas en el Salón Internacional de la Invención de París, "Concours Lepine", París 2004
5 Medals received at the International Invention Competition in Paris, "Concours Lepine" 2004
5 Médailles au Salon International de l'Invention de Paris, "Concours Lepine", Paris 2004

Joven Empresario del Año, 2003
Young Businessman Award, 2003
Jeune Entrepreneur de l'Année, 2003

Premio Especial de la Unión Francesa de Inventores, 2003
Special Prize of French Inventor Association, 2003
Prix Spécial de l'Union Française des Inventeurs, 2003

Diploma de Ekoscan, 2003
Ekoskan Diploma 2003
Diplôme d'Ekoscan, 2003

Medalla de Plata del Mundial de la Invención e Innovación, París 2003
Silver Medal at the World Congress of Innovation and Invention, Paris 2003
Médaille d'argent au Mondial de l'invention et de l'innovation, Paris 2003

ISO 9001:2000, 2003
ISO 9001:2000, 2003
ISO 9001-2000, 2003

Premio a la Exportación, 2002
Export Award of Chamber of Commerce, 2002
Prix à l'Exportation, 2002

Diploma de Excelencia EFQM, 2002
EFQM Excellence Diploma, 2002
Diplôme d'Excellence EFQM, 2002

Premio a la Innovación Metalmaq, 2001
Innovation Award at Metalmaq, Lisbon 2001
Prix à l'innovation Metalmaq, 2001

Trofeo Internacional a la Calidad, París 1998
International Quality Award, Paris 1998
Trophée International à la Qualité, Paris 1998

Empresa Alavesa del Año, 1998
Company of the Year, 1998
Entreprise de l'Année 1998 en Alava



Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 98046**

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01015 Vitoria - Gasteiz (Alava)
Spain.

Scope: Conception, design, manufacturing, control, marketing and after-sales service of tools.

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2024-03-01 until 2027-02-28.
First certification 2000.

2024-02-20

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Spain.

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C/ Zorrolleta 11. Polígono Industrial Jundiz.
01015, Vitoria

For the following activities of:

Conception, design, manufacturing, control, marketing and after-sales service of tools.

is in accordance with the requirements of the standard UNE-ISO 37001:2017

INITIAL CERTIFICATION DATE: 28/05/2021
THIS CERTIFICATE IS VALID UNTIL: 27/05/2024

General Director
Applus+ Certification B.U.

Xavier Ruíz Peña

Technical Director
Applus+ Certification B.U.

Cristina Bachiller Martínez

This certificate will be regarded as valid provided that all the contract conditions for which it is part of were be fulfilled
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Applus

CERTIFICATE

No. PRL-0712/17

LGAI Technological Center, S.A. (Applus+)
certifies that the Occupational Health and Safety Management System of the organization:

EGA MASTER, S.L.

EGA MASTER, S.L.
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01015, Vitoria (Álava)

For the following activities of:

Conception, design, marketing and after-sales services of hand tools.

This organization was initially certified against the OHSAS 18001 standard.

ENAC CERTIFICACIÓN Nº 2/C-SG042

is in accordance with the requirements of the standard ISO 45001:2018

INITIAL CERTIFICATION DATE: 15/12/2017
EFFECTIVE FROM: 15/12/2020
THIS CERTIFICATE IS VALID UNTIL: 14/12/2023

General Director
Applus+ Certification, B.U.

Juan Sendín Caballero

Technical Director
Applus+ Certification, B.U.

Cristina Bachiller Martínez

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Miembro de / Member of / Membre de :

Fastening Excellence Center
www.fasteningexcellencecenter.com

Asociación Española del Hidrógeno
Spanish Hydrogen Association
Association Espagnole de l'Hydrogène
www.aeh2.org

HEGAN - Basque Aerospace Cluster
www.hegan.com

Asociación Española de Equipos, Soluciones y Tecnologías de Proceso en la Manipulación de Fluidos
Spanish Association of Equipment, Solutions and Process Technologies in Fluid Handling
Association Espagnole des Équipements, Solutions et Technologies de Traitement des Fluides
www. fluidexspain.com

Federación de Fabricantes Exportadores de Artículos de Ferretería
Spanish Hardware Manufacturers Federation
Fédération Espagnole de Fabricants Exportateurs d'Articles de Quincaillerie
www.cofearfe.com

Foro de Marcas Líderes Renombradas Españolas
Leading Brands of Spain Forum
Forum des Marques de Renom Espagnoles
www.brandsofspain.com

Fundación Vasca para la Calidad
Basque Foundation for Quality
Fondation Basque pour la Qualité
www.euskalit.net

Red Vasca de Ciencia Tecnología e Innovación
Agency of Innovation
Agence Basque de L'innovation
www.innobasque.com

Club de Exportadores e Inversores Españoles
Spanish Exporters and Investors Club
Club des Exportateurs et Investisseurs Espagnols
www.clubexportadores.org

Iniciativa Global Drops para la prevencion de caída de objetos
The dropped objects prevention scheme global resource centre
Initiative globale Drops de la prévention de chute d'objets
www.dropsonline.org

Agrupación de Industrias Marítimas de Euskadi
Association of Maritime Industries of the Basque Country
Association des Industries Maritimes Basques
www.adimde.es

Sindicato Empresarial Alavés
Employer Federation of Alava
Syndicat des Employés d'Alava
sie.sea.es

Miembro del Foro Club de la Cámara de Comercio e Industria de Álava
Chamber of Commerce of Alava
Chambre de Commerce d' Alava
www.camaradealava.com

Asociación para el Progreso de la Dirección
Association for Progress in Management
Association pour le Progrès dans le Management
www.apd.es

Fundación Iberoamericana para la Calidad
Foundation for Quality
Fondation Ibero-Américaine pour la Gestion de la Qualité
www.fundibeq.org

Asociación de Centros de Excelencia a Nivel Nacional
Association of Centers of Excellence
Association de Centres d'Excellence à Niveau National
www.centrosdeexcelencia.com

Asociación Española del Pacto Mundial Un Global Compact
Un Global Compact
Association Espagnole du Pacte Mondial Un Global Compact
www.pactomundial.org

Asociación Sectorial de Equipos, Componentes y Servicios de Energías Renovables
Energy Supply Chain
Association Sectorielle des Équipements, Composants et Services des Énergies Renouvelables
www.eschain.com

Presentado como ejemplo por:

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- Diputación Foral de Bizkaia
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- Congreso Internacional de Managing
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- Fundación ICIL
- Universidad de Deusto
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- Gobierno Vasco (SPRI)
- Ministerio de Industria (Círculo Bellas Artes)
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- Universidad de Navarra
- CFL (Dinamarca)
- Asociación para el Progreso de la Dirección (APD)
- Universidad Adolfo Ibañez (Chile)

Presented as an example by:

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- Provincial Government of Alava
- Provincial Government of Bizkaia
- University of the Basque Country
- International Management Congress
- 5th Meeting of Innovation in Management (Bilbao)
- University of Strathclyde (Scotland)
- Forum of Companies Advanced in Management of the Cluster of Knowledge
- Autonomous University of Madrid
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Présenté comme exemple pour:

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