



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

**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ**

ANTICHISPA / NON-SPARKING / ANTI-DÉFLAGRANT

Las herramientas Antichispa EGA Master son la mejor alternativa para las aplicaciones en entornos de potencial explosivo. Todas las herramientas están forjadas después de la fundición para conseguir la mayor calidad en el mercado de la herramienta, siendo de atractivo acabado. 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. All tools are forged after casting to achieve the best quality in the market, both in mechanical properties and attractive finishing. 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. Après coulage, tous les outils sont forgés pour obtenir la meilleure qualité du marché et une très bonne finition. Nous apportons notre longue expérience dans la conception et la fabrication d'outillage à main dans le domaine de l'ergonomie, de la facilité d'utilisation et du Design.

MATERIALES / MATERIALS / MATERIAUX

Aleación Cobre-Berilio / Copper-Beryllium Alloy / Alliage Cuivre-Béryllium		
Composición Composition Composition	Be	1.8%-2%
	Ni+Co	0.2%-1.2%
	otros / other / autres	<0.5%
	resto / rest / reste	Cu
Dureza / Hardness / Dureté	283-365 Brinell	
Resistencia a la tracción / Tensile Strength Resistance à 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%
	otros / other / autres	<0.5%
	resto / rest / reste	Cu
Dureza / Hardness / Dureté	229-291 Brinell	
Resistencia a la tracción / Tensile Strength Resistance à 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: 283-365 Brinell en el caso de las fabricadas en Cobre-Berilio y 229-291 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: 35-40 Hrc for those made in Copper-Beryllium and 25-30 Hrc 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: 35-40 HRC pour le Cuivre - Béryllium et 25-30 HRC pour l'Aluminium - Bronze.



PROPIEDADES Y CARACTERÍSTICAS / PROPERTIES AND FEATURES / PROPIETES ET CARACTERISTIQUES

PROPIEDAD / PROPERTY / PROPRIÉTÉ	APLICACIÓN O BENEFICIO / APPLICATION OR BENEFITS / APPLICATION OU BIENFAIT
Antichispa / Non-sparking Anti-déflagrant	Apropiado para entornos de potencial explosivo / <i>Appropriate for explosive potential environments / Approprié pour un environnement explosif</i>
Seguridad anti-magnética / non-magnetic safety / Sécurité anti-magnétique	Esencial para equipos que requieren una completa seguridad no magnética / <i>Essential for equipments that require complete non-magnetic safety / Essentiel pour des équipements qui nécessitent une complète sécurité, sauf magnétique</i>
Resistente a la corrosión / Corrosion resistant / Résistant à la corrosion	Especialmente concebidos para aplicaciones en entornos corrosivos como pueden ser en trabajos en la marina o de aplicaciones de bomberos / <i>Specially well suited for applications in corrosive environments like encountered in marine works or fire-fighting applications / Spécialement conçu pour des environnements corrosifs, comme des travaux en air salin ou pratiqués par les pompiers</i>
Forjado después de la fundición Forged after casting / Forgé après fonte	Proporcionan grandes propiedades mecánicas y gran acabado / <i>Provides higher mechanical properties and better finishing / Cet outillage forgé a une grande résistance mécanique et une meilleure finition</i>
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 / <i>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</i>

**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	283-365 Brinell	229-291 Brinell
Magnetismo Magnetism Magnetisme	La ausencia férrea en la composición, hace que sea más seguro cuando las aplicaciones no magnéticas son requeridas <i>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 sûr pour des utilisations non magnétiques</i>	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 <i>Minimum ferrous component makes them not 100% non-magnetic, although its low magnetism make it appropriate for non critical non-magnetic applications Le minimum de substance ferreuse fait qu'il n'est pas à 100% amagnétique, malgré tout, son faible magnétisme le rend approprié pour des travaux amagnétiques mais non critiques</i>
Durabilidad Durability Longévité	Muy grande debido a la gran dureza y la resistencia a tracción. Grandes esfuerzos pueden ser proporcionados <i>Much higher due to the higher hardness and tensile strength. Higher efforts can be made Grande longévité due à sa composition et à la dureté. Supporte des forces importantes</i>	No tanto como el Cu-Be <i>Not as much as Cu-Be Pas autant que le Cu-Be</i>
Precio Price Prix	Gran precio debido al material especial usado <i>Higher price due to the special raw material used Onérosité due aux matériaux spéciaux utilisés</i>	Sobre un 30% más bajo <i>Around 30% lower price Approx. 30% moins cher</i>

PRECAUCIÓN: Estas herramientas no están clasificadas como antiestáticas debido a que son conductoras de electricidad. No usar herramientas que contengan más de un 65% de cobre en contacto directo con acetileno debido a la posible formación de acetilida explosiva especialmente en presencia de humedad.

CAUTION: These tools are not classified as anti-static because they do conduct electricity. 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.

PRÉCAUTION: ces outils ne sont pas classifiés comme anti-statiques, car ils sont conducteurs d'électricité. 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.



ANTICHISPA / NON-SPARKING / ANTI-DÉFLAGRANT**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					
	T1 (450 °C)	T2 (300°C)	T3 (200 °C)	T4 (135 °C)	T5 (100 °C)	T6 (85 °C)
Temperatura de ignición Temperature of ignition Température d'ignition	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 à: 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'éthyle	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	Dieterter Diethyleter Diéthyl éther		
		1.4-dioxano 1.4-dioxane 1.4-dioxane	Etilglicol 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'éthylène					
IIC (Energía de ignición inferior a Energy of ignition less than Energie d'ignition inferieur á: 0,06 mJ)	Hidrógeno Hydrogen Hydrogène	Acetileno Acetylene Acétylène			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'éthyle	

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 acetilina 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 acetylide gases.

Le cuivre Béryllium peut être utilisé dans tous les cas d'une manière sûre, à condition que la température superficielle de l'outil ne dépasse pas le niveau de température pour chaque gaz. Ne pas utiliser en présence d'Acétylène, 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, Hydrogène, Acétylène, Bisulfure de carbone et Nitrate d'éthyle, encore que de tous ces gaz seul l'hydrogène est comùn), à 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 de los grupos de riesgo I y IIA. En estos ambientes pueden ser empleados con total seguridad.

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 sí, sino que hará que al corto-medio 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 (I y IIA), 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 of risk groups I and IIA. It is safe to work with them in these 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 for the wearing out suffered due to their low hardness.

For this reason, copper or brass tools should only be used in those jobs that have to be made in risky environments (I and IIA), 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 alloys 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 environnements explosifs de groupes de risques I et II A. Ils peuvent être utilisés en toute sécurité dans ces atmosphères.

EgaMaster a toute une gamme complète 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 substitutifs des outils en aluminium-bronze ou en cuivre-béryllium, ceci du à une dureté bien inférieure à 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 à remplacer à très 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 (I et IIA), si le même usage était requis en atmosphère sans risque d'explosion.

Pour un emploi d'outils en acier en atmosphère sans risque d'explosion, alors pour votre sécurité et une meilleure rentabilité, vous devez prendre des outils fabriqués en Aluminium - Bronze ou en Cuivre- Béryllium pour des applications en zone de risque, jamais un outil en cuivre ou en laiton.



ANTICHISPA / NON-SPARKING / ANTI-DÉFLAGRANT**ALEACIÓN ACETILEX, TRABAJO SEGURO INCLUSO EN AMBIENTES DE ACETILENO
ACETILEX ALLOY, SAFE WORK EVEN IN ACETYLENE ENVIRONMENTS
ALLIAGE ACETILEX, TRAVAIL SÛR MÊME EN PRÉSENCE D'ACÉTHYLÈNE**

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 acetilas altamente explosivas de por sí.

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 S.A., siempre buscando soluciones innovadoras que aporten mayor seguridad, hemos desarrollado la aleación ACETILEX, 100% segura en ambientes de acetileno. Una vez más, pioneros en seguridad.

Items with copper compositions higher than 65% should not be used in acetylene environments. Both aluminum bronze and copper-beryllium alloys do have higher copper compositions 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 can react with acetylene creating highly explosive acetylates.

For this reason, copper-beryllium or aluminum-bronze alloys should not be used in acetylene environments.

In Ega Master S.A., always committed to find new innovative solutions that will increase safety, we have developed the ACETILEX alloy, 100% safe to be used in acetylene environments. Once again, pioneers in safety.

Les atmosphères en présence d'acétylène font qu'on ne peut utiliser de compositions en cuivre supérieurs à 65%. Les deux alliages aluminium - bronze et cuivre - béryllium ont un pourcentage de cuivre supérieur à 65%. La raison ne repose pas sur le fait que l'étincelle du cuivre-béryllium ait l'énergie suffisante pour provoquer l'ignition de l'acétylène, mais que le cuivre peut avoir une réaction avec l'acétylène, ce qui peut provoquer des particules hautement explosives. Pour cette raison, il est déconseillé l'utilisation d'alliages de cuivre béryllium ou d'aluminium bronze en présence d'acétylène.

En permanence à la recherche de solutions novatrices ayant la meilleure sécurité, Ega Master S.A. a développé l'alliage ACETILEX, 100% sûre en présence d'acétylène. Une fois de plus, pionniers en sécurité

PRINCIPALES CAMPOS DE APLICACIÓN / MAIN APPLICATION FIELDS / PRINCIPAUX CHAMPS D'APPLICATION

Petroquímicas / Petrochemicals / Petrochimie	Industria Pirotécnica / Fireworks Industry Industrie pyrotechnique	Minas / Mines / Mines
Refinerías / Refineries / Raffineries	Industria química / Chemical Industry Industrie chimique	Defensa / Defence / Defense
Industria del Petróleo / Oil Companies Sociétés pétrolières	Industria papelera / Paper making Industries Industrie du papier	Fuerzas aéreas / Air Forces Forces aériennes
Conductos de tubo de Gas y Petróleo Gas & oil pipe lines Conduits de gaz et de pétrole	Silos de harina y molinos Flour silos and mills Silos et moulins	Marina / Navy / Marine
Estaciones de servicio y energía Power Stations Stations de service et energie	Fábrica cervecera / Breweries / Brasseries	Fabricación de munición y armas Weapon & ammunition fabrication Fabrication de poudres et explosifs
Fabricación de pintura Paint Manufacturing Fabrication de peinture	Industrias de procesamiento de Alcohol Alcohol processing industries Fabrication d'alcool	Industria aeroespacial / Aerospace industry Industrie aérospaciale
Fabricación de plástico Plastic manufacturing Fabrication de plastique	Destilerías / Distilleries / Distilleries	Industria del automóvil / Automobile Industry Industrie automobile
Industria Farmacéutica/ Pharmaceutical Industry / Industrie pharmaceutique	Bomberos / Fire-fighters / Pompiers	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 requiert une attention spéciale, en évitant la surcharge, la chaleur...

2. 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. / 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. / L'utilisation d'outillage anti-déflagrant 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.

29

**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ**

CERTIFICADO DE CONFORMIDAD

Certificamos que las herramientas fabricadas en Cobre Berilio poseen propiedades anti-chispa, anti-magnéticas y anti-corrosión.

Dureza
283-365 Brinell
Resistencia a la Tracción
1250 N/mm²
Temperatura de Fusión
857°C -982°C
Porcentaje Composición Química
Be: 1,8%-2%
Ni+Co: 0,2%-1,2%
Otros: <0,5%
Cu Resto

Certificamos que las herramientas fabricadas en aleación Aluminio - Bronce poseen propiedades antichispa.

Dureza
229-291 Brinell
Resistencia a la Tracción
800 N/mm²
Porcentaje Composición Química
Al: 10%-12%
Ni: 4%-6%
Fe+Mn: <5,8%
Otros max: <0,5%
Cu Resto

CERTIFICATE OF COMPLIANCE

We hereby certify that, the tools made from Beryllium Copper alloy provide non sparking, non magnetic and non corrosive properties.

Hardness
283-365 Brinell
Tensile Strength-Break
1250 N/mm²
Melting Range Temperature
857°C -982°C
Chemical Composition Percentage
Be: 1,8%-2%
Ni+Co: 0,2%-1,2%
Other max: <0,5%
Cu Balance

We hereby certify that, the tools made from Aluminium Bronze alloy provide non sparking properties.

Hardness
229-291 Brinell
Tensile Strength-Break
800 N/mm²
Chemical Composition Percentage
Al: 10%-12%
Ni: 4%-6%
Fe+Mn: <5,8%
Other max: <0,5%
Cu Balance

Ega Master S.A.
Aner Garmendia
Managing Director



29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****ALIGATES / PLIERS / PINCES / ZANGEN / PINZE / ALICATES / ПЛОСКОГУБЦЫ**

UNIVERSALES / COMBINATION / UNIVERSELLES / KOMBIZANGEN / UNIVERSALE / UNIVERSAIS / КОМБИНИРОВАННЫЕ

COD		L mm	gr.
Cu-Be	Al-Bron		
70100	70530	160	250
70101	70531	180	320
70102	70532	200	370

**BOCA PLANA / FLAT NOSE / PLATES / FLACHZANGEN / BECCHI PIATTI / PONTAS CHATAS / УТКОНОСЫ**

COD		L mm	gr.
Cu-Be	Al-Bron		
70103	70533	160	170

**BOCA REDONDA / ROUND NOSE / RONDES / RUNDZANGEN / BECCHI TONDI / PONTAS REDONDAS / КРУГЛОГУБЦЫ**

COD		L mm	gr.
Cu-Be	Al-Bron		
70104	70534	160	160

**TELEFONISTA / LONG NOSE / TELEPHONE / TELEFONZANGEN / TELEFONISTI / TELEFONISTA / С УДЛИННЕННЫМИ НОСАМИ**

COD		L mm	gr.
Cu-Be	Al-Bron		
70105	70535	160	250
76130	76131	180	270
70106	70536	200	370

**CORTE DIAGONAL / DIAGONAL CUTTING PLIERS / COUPANTES DIAGONALES / KRAFTSEITENSCHNEIDER
TAGLIO LATERALE / CORTE DIAGONAL / БОКОРЕЗЫ**

COD		L mm	gr.
Cu-Be	Al-Bron		
70107	70537	160	250

**CORTE DIAGONAL REFORZADO / HEAVY DUTY CUTTING NIPPERS / COUPANTES RENFORCEES / KRAFTSEITENSCHNEIDER
TAGLIO LATERALE RINFORZATO / CORTE DIAGONAL REFORÇADO / УСИЛЕННЫЕ БОКОРЕЗЫ**

COD		L mm	gr.
Cu-Be	Al-Bron		
72094	72095	160	260
70108	70538	180	320

**ALICATE GASISTA / GAS PIPE PLIERS / PINCE GAZIER / ROHRZANGE / PINZA PER GASISTA / ALICATE PARA TUBO DE
GAZ / КЛЕЩИ ГАЗОВЫЕ**

COD		L mm	gr.
Cu-Be	Al-Bron		
70109	70539	210	370



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

ALICATE TIPO FORD / SLIP JOINT PLIER / PINCE BIPRISE / MECHANIKERZANGE / PINZE PER GASISTI / ALICATE MOTORISTA
СКОЛЬЗЯЩИЕ КЛЕЩИ

Cu-Be	COD	Al-Bron	L	gr.
70114		70544	8"	250



PELACABLES / WIRESTRIPPER / PINCES À DÉNUDER / ABISOLIERZANGEN / PINZE SPELAFILI / DECAPADORES
КЛЕЩИ ДЛЯ ЗАЧИСТКИ КОНТАКТОВ

Cu-Be	COD	Al-Bron	L	gr.
73903		73904	170	220



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

Cu-Be	COD	Al-Bron	L	mm	gr.
72511		72510	140mm	10÷25	100
72513		72512	200mm	19÷60	250
72515		72514	250mm	40÷100	425



EXTERIOR RECTO / EXTERNAL STRAIGHT / EXTERIEUR DROIT / AUSSENSICHERUNGSRINGE, GERADE / DIRITTO PER ANELLI
EXTERIOR DIREITO / НАРУЖНЫЕ ПРЯМЫЕ

Cu-Be	COD	Al-Bron	L	mm	gr.
72517		72516	140mm	10÷25	120
72519		72518	200mm	19÷60	265
72521		72520	250mm	40÷100	465



TENAZAS / PLIERS / ZANGE / TENAILLES / TENAGLIE / ALICATES / КЛЕЩИ

PICO DE LORO / GROOVE JOINT / MULTIPRISE À CREMAILLERE / WASSERPUMPENZANGE / PINZE REGOLABILI / BICO DE PARAGAIO / С ЖЕЛОБКОВЫМ МЕХАНИЗМОМ

Cu-Be	COD	Al-Bron	L	gr.
70110		70540	10"	340
70111		70541	12"	700



TENAZA DE CANAL / BOX JOINT / MULTIPRISE ENTREPASSEE / WASSERPUMPENZANGE / PINZE REGOLABILI
BICO DE PARAGAIO / ШАРНИРНЫЕ

Cu-Be	COD	Al-Bron	L	gr.
73897		73898	10"	350



Cu-Be	COD	Al-Bron	L	gr.
72300		72302	10"	340



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****TENAZA DE CARPINTERO / CARPENTER PINDER / TENAILLE DE MENUISIER / KANTENZANGE / TENAGLIE PER CARPENTIERI
TURQUES DE CARPINTERO / КЛЕЩИ ДЛЯ ПЛИТКИ**

COD		← L →	gr.
Cu-Be	Al-Bron		
70112	70542	7"	310
70113	70543	8"	380

**ALICATE PARA TERMINALES / CRIMPING PLIER / PINCE POUR TERMINAUX / CRIMPZANGE / PINZE PER TERMINALI / ALICATE
PARA TERMINAIS / ОБЖИМНЫЕ КЛЕЩИ**

COD		← L →	gr.
Cu-Be	Al-Bron		
73900	73901	8"	220

**LLAVE AJUSTABLE / ADJUSTABLE WRENCH / CLÉ À MOLETTE / ROLLGABELSCHLÜSSEL /
CHIAVI REGOLABILI A RULLINO / CHAVE AJUSTAVEL / РАЗВОДНЫЕ КЛЮЧИ**

COD		← L →	mm	gr.
Cu-Be	Al-Bron			
71448	71451	6"	20	160
70117	71452	8"	25	330
70118	71453	10"	30	550
70119	71454	12"	35	850
70120	71455	15"	48	1250
71449	71456	18"	55	2000
71450	71457	24"	65	3100
75315	75316	36"	75	7800

**EXTRACTORES / GEAR PULLERS / EXTRACTEURS / ABZIEHERS / ESTRATTORI
EXTRACTORES / СЪЕМНИКИ****EXTRACTOR 3 BARRAS ARTICULADAS REVERSIBLES / 3 JAW REVERSIBLE GEAR PULLER / EXTRACTEUR 3 BRAS ARTICULES
REVERSIBLES / AUSSENABZIEHER 3 KLAUEN / ESTRATTORE A 3 BRACCI REVERSIBILI / ТРЕХЛАПНЫЕ РЕВЕРСИВНЫЕ СЪЕМНИКИ**

COD		L min - max	gr.
Cu-Be	Al-Bron		
72470	72471	50-100	3000
72472	72473	60-150	3800
72474	72475	70-200	5600
72476	72477	80-350	11500

**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		← L → mm	gr.
Cu-Be	Al-Bron		
70115	70547	155	40

**BOCA PLANA / FLAT NOSE / PLATES / FLACH ZANGE / PUNTA PIATTA / PONTAS PLANAS / УТКОНОСЫ**

COD		← L → mm	gr.
Cu-Be	Al-Bron		
70116	70548	100	30





29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ

LLAVES FIJAS / OPEN-END WRENCHES / CLÉS PLATES / GABELSCHLÜSSEL / CHIAVI FISSE / CHAVES DUAS BOCAS
РОЖКОВЫЕ КЛЮЧИ



MM.		COD		L	gr.
Cu-Be	Al-Bron			mm	
75240	75241		4-5mm	90	30
75242	75243		5-5,5mm		
70135	70549		6-7mm	95	40
70136	70550		6-8mm		
70137	70551		7-9mm	100	55
70138	70552		8-9mm		
70139	70553		8-10mm	105	60
70140	70554		9-10mm		
70141	70555		9-11mm	110	65
70142	70556		10-11mm		
70143	70557		10-12mm	115	70
70144	70558		10-14mm		
75244	75245		11-13mm	120	75
70145	70559		11-14mm		
70146	70560		12-13mm	125	85
70147	70561		12-14mm		
73648	73649		13-15mm	130	95
70148	70562		14-15mm		
70149	70563		14-17mm	135	100
70150	70564		16-17mm		
70151	70565		16-18mm	145	110
70152	70566		17-19mm		
70153	70567		17-22mm	150	115
70154	70568		18-19mm		
74625	74626		19-20mm	155	120
70155	70569		19-22mm		
70156	70570		19-24mm	165	125
70157	70571		20-22mm		
74627	74628		21-22mm	170	130
70158	70572		21-23mm		
75246	75247		22-23mm	175	135
70159	70573		22-24mm		
70160	70574		22-27mm	180	140
75248	75249		24-25mm		
70161	70575		24-26mm	185	145
70162	70576		24-27mm		
72923	72922		24-30mm	195	150
70163	70577		25-28mm		
74831	74832		26-29mm	200	155
70164	70578		27-29mm		
75250	71821		27-30mm	210	160
75251	75252		28-30mm		
72925	72924		27-32mm	220	165
75253	75254		30-31mm		
70165	70579		30-32mm	230	170
73007	73006		30-34mm		
72927	72926		30-36mm	240	175
75255	75256		32-34mm		
75257	75258		32-35mm	250	180
70166	70580		32-36mm		
75259	75260		33-35mm	260	185
70167	70581		34-36mm		
75261	75262		35-36mm	270	190
75263	75264		36-38mm		
73337	73336		36-41mm	280	195
75265	75266		38-42mm		
70168	70582		41-46mm	290	200
72921	72919		46-50mm		
73390	73389		50-52mm	300	205
70169	70583		50-62mm		
70588	70584		55-60mm	320	210
70589	70585		60-65mm		
70590	70586		65-70mm	330	215
70591	70587		70-80mm		

INCH.		COD		L	gr.
Cu-Be	Al-Bron			mm	
70592	70637		7/32"-1/4"	90	35
70593	70638		1/4"-9/32"		
70594	70639		1/4"-5/16"	100	45
70595	70640		5/16"-3/8"		
70596	70641		3/8"-7/16"	110	60
75275	75276		3/8"-1/2"		
70597	70642		7/16"-1/2"	115	65
70598	70643		1/2"-9/16"		
70599	70644		1/2"-5/8"	120	85
70600	70645		1/2"-11/16"		
70601	70646		9/16"-5/8"	130	90
70602	70647		9/16"-3/4"		
70603	70648		19/32"-11/16"	150	100
70604	70649		19/32"-25/32"		
74835	74836		5/8"-11/16"	165	110
70605	70650		5/8"-3/4"		
75277	75278		11/16"-3/4"	170	120
70606	70651		11/16"-25/32"		
70607	70652		11/16"-7/8"	180	130
70608	70653		3/4"-13/16"		
70609	70654		3/4"-7/8"	185	140
70610	70655		25/32"-13/16"		
70611	70656		25/32"-7/8"	190	150
70612	70657		13/16"-7/8"		
70613	70658		7/8"-15/16"	200	160
70614	70659		7/8"-31/32"		
70615	70660		7/8"-1"	210	165
70616	70661		15/16"-1"		
70617	70662		7/8"-1.1/16"	220	170
70618	70663		15/16"-1.1/16"		
74837	74838		1"-1.1/16"	230	180
70619	70664		1"-1.1/8"		
70620	70665		1.1/16"-1.1/8"	240	185
70621	70666		1.1/16"-1.1/4"		
74839	74840		1.1/8"-1.3/16"	250	190
70622	70667		1.1/8"-1.5/16"		
75279	75280		1.1/16"-1.1/4"	260	200
75281	75282		1.3/16"-1.1/4"		
70623	70668		1.1/16"-1.7/16"	270	210
70624	70669		1.1/8"-1.1/2"		
75283	75284		1.1/4"-1.5/16"	280	215
70625	70670		1.1/4"-1.3/8"		
70626	70671		1.1/4"-1.7/16"	290	220
75285	75286		1.5/16"-1.3/8"		
70627	70672		1.5/16"-1.1/2"	300	225
75287	75288		1.3/8"-1.7/16"		
70628	70673		1.3/8"-1.1/2"	320	230
70629	70674		1.7/16"-1.5/8"		
75289	75290		1-1/2"-1.9/16"	330	235
70630	70675		1.1/2"-1.11/16"		
70631	70676		1.5/8"-1.13/16"	340	240
70632	70677		1.3/4"-1.5/8"		
70633	70678		1.11/16"-1.7/8"	350	245
70634	70679		1.13/16"-2"		
75291	75292		2"-2-3/16"	370	250
75293	75294		2"-2.3/8"		
70635	70680		2.1/16"-2.5/16"	380	255
75295	75296		2.3/16"-2.3/8"		
70636	70681		2.1/4"-2.3/8"	400	260
75297	75298		2.3/8"-2.9/16"		



29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ**LLAVES COMBINADAS / COMBINATION WRENCHES / CLÉS MIXTES / GABEL RINGSCHLÜSSEL / CHIAVI COMBinate
CHAVES BOCA E LUNETA / КОМБИНИРОВАННЫЕ КЛЮЧИ

MM



COD		mm	mm	gr.
Cu-Be	Al-Bron			
70170	70682	6mm	115	35
70171	70683	7mm	120	40
70172	70684	8mm	125	45
70173	70685	9mm	130	60
70174	70686	10mm	135	65
70175	70687	11mm	140	70
70176	70688	12mm	145	85
70177	70689	13mm	155	95
70178	70690	14mm	165	100
70179	70691	15mm	175	110
70180	70692	16mm	185	150
70181	70693	17mm	195	160
70182	70694	18mm	200	190
70183	70695	19mm	210	210
70184	70696	20mm	220	240
70185	70697	21mm	230	260
70186	70698	22mm	240	280
70187	70699	23mm	250	350
70188	70700	24mm	260	380
70189	70701	25mm	270	400
70190	70702	26mm	270	420
70191	70703	27mm	280	480
70192	70704	28mm	290	500
70193	70705	29mm	300	650
70194	70706	30mm	310	700
70195	70707	31mm	320	750
70196	70708	32mm	330	800
72700	71786	33mm	330	800
72701	71787	34mm	340	850
70197	70709	35mm	340	950
70198	70710	36mm	350	1100
70199	70711	38mm	350	1200
70200	70712	40mm	370	1550
70201	70713	41mm	420	1750
70202	70714	42mm	430	2100
70203	70715	46mm	430	2200
70204	70716	50mm	460	2600
73618	73619	52mm	470	3000
70205	70717	55mm	480	3550
70206	70718	60mm	490	4100
70207	70719	65mm	490	4550
70208	70720	70mm	500	5350
70209	70721	75mm	500	5800
70210	70722	80mm	500	5800
70211	70723	85mm	500	5800
70212	70724	90mm	500	5800

INCH.

COD		mm	mm	gr.
Cu-Be	Al-Bron			
70725	70751	1/4"	115	25
75305	75306	9/32"	120	30
70726	70752	5/16"	125	35
70727	70753	11/32"	130	40
70728	70754	3/8"	135	55
70729	70755	7/16"	140	70
70730	70756	1/2"	140	80
70731	70757	9/16"	165	95
75307	75308	19/32"	175	130
70732	70758	5/8"	175	140
70733	70759	11/16"	195	200
70734	70760	3/4"	210	280
70735	70761	13/16"	230	330
70736	70762	7/8"	260	360
70737	70763	15/16"	260	460
70738	70764	1"	280	500
70739	70765	1.1/16"	300	550
70740	70766	1.1/8"	320	700
72937	72936	1.3/16"	320	1000
70741	70767	1.1/4"	350	1150
70742	70768	1.5/16"	360	1200
70743	70769	1.3/8"	360	1350
70744	70770	1.7/16"	370	1500
70745	70771	1.1/2"	400	1600
75309	75310	1.9/16"	420	1700
70746	70772	1.5/8"	420	1700
70747	70773	1.11/16"	420	1700
75311	75312	1.3/4"	420	1700
70748	70774	1.13/16"	420	1700
70749	70775	1.7/8"	420	1700
70750	70776	2"	420	1700

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

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	Composición/Composition			
69342	61727	Cr-V Aeroespacial	8mm	300
	61627	Cr-V Espejo - Mirror		
	73062	Cr-V 1000V		
	70172	Cu-Be		
	70684	Al-Bron		
	71669	Titanium		



LLAVES ACODADAS / DOUBLE OFFSET RING WRENCHES / CLÉS POLYAGONALES / RINGSCHLÜSSEL / CHIAVI POLIGONALI
CHAVES LUNETA / ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА



MM

Cu-Be		COD	Al-Bron				Cu-Be		COD	Al-Bron			
75320	75321		5,5-7mm		115	20	70237	70801		22-27mm			
70213	70777		6-7mm			25	75338	75339		23-26mm		340	470
75322	75323		6-8mm		120	35	75340	75341		24-25mm			480
70214	70778		7-9mm			50	72822	72823		24-26mm			500
70215	70779		8-9mm		130	55	73339	73338		24-27mm			550
70216	70780		8-10mm			60	70238	70802		24-30mm		350	600
70217	70781		9-10mm		135	70	70239	70803		25-28mm			650
70218	70782		9-11mm			80	74833	74834		26-29mm			700
70219	70783		10-11mm			85	70240	70804		27-29mm		360	750
75324	75325		10-12mm		140	100	70241	70805		27-30mm			800
75326	75327		10-13mm			110	70242	70806		27-32mm		380	850
70220	70784		10-14mm			120	75342	75343		29-32mm			1050
75328	75329		11-13mm		160	150	70243	70807		30-32mm		390	1100
70221	70785		11-14mm			200	72956	72912		31-33mm			1150
70222	70786		12-13mm			200	70244	70808		30-36mm		400	1550
70223	70787		12-14mm			210	75344	75345		32-34mm		430	1600
70224	70788		13-14mm		180	220	72957	72913		32-35mm			1700
70225	70789		13-15mm			220	72135	72139		32-36mm		450	2050
70226	70790		14-15mm			260	72136	72140		32-36mm		470	2200
72133	72137		14-16mm			290	70245	70809		36-38mm		490	2400
72134	72138		14-17mm			300	75346	75347		35-41mm		500	2450
70227	70791		16-17mm		220	310	75348	75349		38-40mm			2500
70228	70792		16-18mm			350	70246	70810		36-41mm		550	3900
70229	70793		17-19mm			370	75350	75351		38-42mm		700	4000
75330	75331		17-21mm			400	70247	70811		41-46mm			5000
70230	70794		17-22mm			420	72251	72250		46-50mm			
70231	70795		18-19mm			420	73392	73391		50-52mm			
75332	75333		19-21mm			450	75352	75353		50-55mm			
70232	70796		19-22mm			450	75354	75355		50-60mm			
70233	70797		19-24mm		280	450	72253	72252		55-60mm			
70234	70798		20-22mm			450	75356	75357		60-70mm			
70235	70799		21-23mm			450	72255	72254		65-70mm			
75334	75335		21-26mm			450	72257	72256		75-80mm			
75336	75337		22-23mm		310	450							
70236	70800		22-24mm			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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****SETS****LLAVES FIJAS / OPEN-END WRENCHES / CLÉS PLATES / GABELSCHLÜSSEL / CHIAVI FISSE / CHAVES DUAS BOCAS
РОЖКОВЫЕ КЛЮЧИ**

COD	UN.	Cu-Be
76400	6	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76402	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76404	10	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76406	12	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	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32

NEW

COD	UN.	Al-Bron
76401	6	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76403	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76405	10	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76407	12	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	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32

**LLAVES COMBINADAS / COMBINATION WRENCHES / CLÉS MIXTES / RINGGABELSCHLÜSSEL / CHIAVI COMBinate
CHAVES BOCA E LUNETA / КОМБИНИРОВАННЫЕ КЛЮЧИ**

COD	UN.	Cu-Be
76418	6	8, 10, 12, 14, 17, 19
76420	8	8, 10, 12, 13, 14, 17, 19, 22
76422	10	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
76424	12	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
76426	14	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
76428	17	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
76430	17	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
76432	26	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

NEW

COD	UN.	Al-Bron
76419	6	8, 10, 12, 14, 17, 19
76421	8	8, 10, 12, 13, 14, 17, 19, 22
76423	10	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
76425	12	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
76427	14	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
76429	17	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
76431	17	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
76433	26	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

**LLAVES ACODADAS / DOUBLE OFFSET RING WRENCHES / CLÉS POLYGAONALES / RINGSCHLÜSSEL / CHIAVI POLIGONALI /
CHAVES LUNETA / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА**

COD	UN.	Cu-Be
76444	6	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76446	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76448	10	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76450	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32

NEW

COD	UN.	Al-Bron
76445	6	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76447	8	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76449	10	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76451	12	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

SETS

LLAVES FIJAS / OPEN-END WRENCHES / CLÉS PLATES / GABELSCHLÜSSEL / CHIAVI FISSE / CHAVES DUAS BOCAS
РОЖКОВЫЕ КЛЮЧИ

COD	UN.	Cu-Be
76410	6	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	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	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	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

NEW



COD	UN.	Al-Bron
76411	6	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	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	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	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 / КОМБИНИРОВАННЫЕ КЛЮЧИ

COD	UN.	Cu-Be
76434	6	3/8, 7/16, 1/2, 9/16, 5/8, 3/4
76436	8	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
76438	10	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
76440	12	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	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

NEW



COD	UN.	Al-Bron
76435	6	3/8, 7/16, 1/2, 9/16, 5/8, 3/4
76437	8	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
76439	10	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
76441	12	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	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 / RINGSCHLÜSSEL / CHIAVI POLIGONALI /
CHAVES LUNETA / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

COD	UN.	Cu-Be
76452	6	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	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	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	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

NEW






COD	UN.	Al-Bron
76453	6	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	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	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	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



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ**LLAVES ACODADAS / DOUBLE OFFSET RING WRENCHES / CLÉS POLYGAONALES / RINGSCHLÜSSEL / CHIAVI POLIGONALI
CHAVES LUNETA / ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

INCH.

COD				
Cu-Be	Al-Bron			
70812	70841	7/32"-1/4"	120	30
74841	74842	1/4"-5/16"		
70813	70842	5/16"-3/8"	125	45
70814	70843	3/8"-7/16"	140	60
70815	70844	7/16"-1/2"	155	90
70816	70845	1/2"-9/16"	175	115
70817	70846	9/16"-5/8"	210	190
74843	74844	5/8"-11/16"	240	230
70818	70847	5/8"-3/4"		
75365	75366	11/16"-3/4"	250	240
70819	70848	11/16"-25/32"		
70820	70849	3/4"-13/16"	290	
70821	70850	13/16"-7/8"	270	350
70822	70851	7/8"-15/16"	300	400
70823	70852	7/8"-31/32"	310	420
70824	70853	7/8"-1"		
70825	70854	7/8"-1.1/16"	320	480
70826	70855	15/16"-1"		
70827	70856	15/16"-1.1/16"	340	500
70828	70857	1"-1.1/16"		

COD				
Cu-Be	Al-Bron			
70829	70858	1"-1.1/8"	350	550
70830	70859	1.1/16"-1.1/8"		
70831	70860	1.1/16"-1.1/4"	370	600
74845	74846	1.1/8"-1.3/16"		
70832	70861	1.1/8"-1.5/16"		
75367	75368	1.3/16"-1.1/4"		
70833	70862	1.1/4"-1.5/16"	380	1000
70834	70863	1.1/4"-1.7/16"	410	1100
75369	75370	1.5/16"-1.3/8"		
75371	75372	1.3/8"-1.7/16"		
70835	70864	1.7/16"-1.5/8"	450	1600
75373	75374	1.1/2"-1.9/16"	460	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"	500	2800
70838	70867	2.1/16"-2.3/16"		
70839	70868	2"-2.3/8"		
75377	75378	2.3/16"-2.3/8"	550	3100
70840	70869	2.1/4"-2.3/8"		
75379	75380	2.3/8"-2.3/4"		

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVE ESTRELLA PLANA / DOUBLE ENDED FLAT RING SPANNER / POLYGONALE À DROITE / DOPPELRINGSCHLÜSSEL
POLIGONALE DIRITTA / LUNETA DIREITA / ДВОЙНАЯ ИЗОГНУТАЯ ПЛОСКАЯ ЗВЕЗДОЧКА



MM		COD			
Cu-Be	Al-Bron				
			mm	mm	gr.
73960	73961		7-9mm	115	40
73962	73963		10-11mm	140	60
75418	75419		10-12mm		
73964	73965		12-14mm	160	100
73966	73967		14-17mm	180	110
73968	73969		16-18mm	200	180
73970	73971		18-19mm	220	260
73972	73973		17-22mm	230	280
73974	73975		19-21mm	240	300
75420	75421		19-22mm		
73976	73977		20-22mm	250	350
73978	73979		21-23mm		
73980	73981		22-24mm	280	430
73982	73983		24-27mm	300	550
73984	73985		25-28mm		
73986	73987		27-30mm	310	700
73988	73989		27-32mm	320	
73990	73991		30-32mm	340	750
74771	74772		32-36mm	360	1000
74773	74774		36-41mm	460	1400

LLAVE DE CARRACA PARA RACORES / RATCHET SPANNER / CLÉ À TUYATEUR À CLIQUET / KNARRENRHORSCHLÜSSEL
CHIAVEN A CRICCO PER RACCORDI / CHAVE RAPIDA ABERTA COM ROQUETE / КЛЮЧ ЗВЕЗДОЧКА С ТРЕШЕТКОЙ



MM		COD			
Cu-Be	Al-Bron				
			mm	mm	gr.
70870	70887		9mm	150	160
70871	70888		11mm		180
70872	70889		13mm	155	190
70873	70890		14mm		
70874	70891		17mm	200	200
70875	70892		19mm		
70876	70893		22mm	220	220
70877	70894		24mm		
70878	70895		27mm	240	210
70879	70896		30mm		
70880	70897		32mm	280	230
70881	70898		36mm		
70882	70899		41mm	290	260
70883	70900		46mm		
70884	70901		50mm	360	450
70885	70902		55mm		
70886	70903		60mm	440	850

INCH.		COD			
Cu-Be	Al-Bron				
			mm	mm	gr.
70904	70920		3/8"	150	160
70905	70921		1/2"		
70906	70922		9/16"	155	190
70907	70923		11/16"		
70908	70924		3/4"	200	200
70909	70925		7/8"		
70910	70926		1"	220	220
70911	70927		1.1/16"		
70912	70928		1.3/16"	240	210
70913	70929		1.1/4"		
70914	70930		1.7/16"	280	230
70915	70931		1.5/8"		
70916	70932		1.13/16"	290	260
70917	70933		2"		
70918	70934		2.3/16"	360	450
70919	70935		2.3/8"		
				440	650
					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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ

LLAVE ESTRELLA ACCODADA PARA ESTRUCTURA / OFFSET RING STRUCTURAL WRENCH / CLÉ POLYAGONALE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE / RINGSCHLÜSSEL GEKRÖPFT MIT DORN / CHIAVE POLIGONALE PER PONTEGGI / CHAVE LUNETA INCLINADA PARA ESTRUTURA / КЛЮЧ НАКИДНОЙ ОДНОСТОРОННИЙ ВИЛКОБРАЗНЫЙ СТРОИТЕЛЬНЫЙ



MM

Cu-Be	COD		mm	L mm	gr.
	Cu-Be	Al-Bron			
75424	75425		10mm	200	90
75426	75427		11mm	210	100
75428	75429		12mm	220	110
75430	75431		13mm	230	120
75432	75433		14mm	240	140
75434	75435		15mm	250	170
75436	75437		16mm	260	190
75438	75439		17mm		200
75440	75441		19mm		330
75442	75443		21mm	270	360
70248	71732		22mm		500
70249	71733		24mm	290	
70250	71734		27mm	320	700
70251	71735		30mm	350	800
70252	71736		32mm	370	
70253	71737		36mm	390	
70254	71738		38mm	400	1000
70255	71739		41mm	410	
70256	71740		44mm		1100
70257	71741		46mm	420	
70258	71742		50mm	430	1300
75444	75445		55mm	550	2100
75446	75447		60mm	600	2500

INCH.

Cu-Be	COD		mm	L mm	gr.
	Cu-Be	Al-Bron			
74608	74609		1.1/4"	430	700
74612	74613		1.7/16"	460	900
74610	74611		1.1/2"		1150
74614	74615		1.5/8"	490	1200
74616	74617		1.13/16"	500	1500
74618	74619		2"	550	1900

LLAVE FIJA ACCODADA 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 ВИЛКОБРАЗНЫЙ СТРОИТЕЛЬНЫЙ



MM

Cu-Be	COD		mm	L mm	gr.
	Cu-Be	Al-Bron			
75450	75451		17mm	320	210
75452	75453		19mm		320
75454	75455		22mm	350	430
75456	75457		24mm		480
75458	75459		27mm	370	650
75460	75461		30mm	400	800

Cu-Be	COD		mm	L mm	gr.
	Cu-Be	Al-Bron			
73940	73941		32mm	400	850
73942	73943		36mm	430	1200
73944	73945		41mm	470	1900
73946	73947		46mm	500	2800
73948	73949		50mm	550	3700

LLAVE PARA RACORES / FLARE NUT / POLYAGONALE À TUYAUTEUR / OFFENER DOPPELRINGSCHÜSSEL / CHIAVE PER RACCORDI LUNETAS ABERTAS COM BATENTE / КЛЮЧ С ОТКРЫТОЙ ЗВЕЗДОЧКОЙ



INCH.

Cu-Be	COD		gr.	
	Cu-Be	Al-Bron		
72723	72724		3/8"-7/16"	50
72725	72726		7/16"-1/2"	100
72727	72728		1/2"-9/16"	150
72729	72730		9/16"-5/8"	250
72731	72732		5/8"-3/4"	300
72733	72734		3/4"-7/8"	350
72735	72736		7/8"-1"	400
72737	72738		1"-1.1/8"	500

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ

FIJA DE GOLPE / SLOGGING OPEN WRENCH / À FOURCHE À FRAPPER / SCHLAG MAULSCHLÜSSEL / FISSE AD IMPULSO
ВОСА DE IMPACTO / УДАРНЫЙ РОЖКОВЫЙ КЛЮЧ



MM					INCH.				
Cu-Be	COD	Al-Bron	mm	Kg	Cu-Be	COD	Al-Bron	mm	Kg
70280		71013	14mm	120	71036		71055	9/16"	0,2
70281		71014	17mm	0,1	72105		72113	5/8"	0,3
70282		71015	19mm		125				
70283		71016	22mm	0,2	71037		71056	11/16"	0,4
70284		71017	24mm		135				
74875		74876	25mm	0,3	71038		71057	3/4"	0,6
70285		71018	27mm		150				
74877		74878	28mm	0,4	71039		71058	7/8"	1,6
70286		71019	30mm		165				
70287		71020	32mm	0,6	72106		72114	1"	1,8
74847		74848	34mm		180				
70288		71021	36mm	0,7	71041		71060	1.1/16"	2,1
74341		74342	38mm		190				
70289		71022	41mm	0,8	72107		72115	1.1/8"	2,6
70290		71023	46mm		200				
70291		71024	50mm	0,9	74851		74852	1.3/16"	3,0
70292		71025	55mm		210				
70293		71026	60mm	1,1	71042		71061	1.1/4"	4,0
70294		71027	65mm		220				
70295		71028	70mm	1,2	72108		72116	1.3/8"	4,5
70296		71029	75mm		230				
71007		71030	80mm	1,5	71043		71062	1.7/16"	7,0
71008		71031	85mm		240				
71009		71032	90mm	2,0	72109		72117	1.1/2"	8,5
71010		71033	95mm		250				
71011		71034	100mm	2,4	71044		71063	1.5/8"	10
71012		71035	105mm		270				
74849		74850	110mm	3,0	71045		71064	1.13/16"	12
74880		74881	115mm		290				
74761		74762	125mm	3,5	72110		72118	1.7/8"	13
					310				
				4,0	71046		71065	2"	10
					320				
				5,0	71047		71066	2.3/16"	12
					330				
				6,5	72111		72119	2.1/4"	12
					340				
				8,5	71048		71067	2.3/8"	13
					350				
				10	72112		72120	2.1/2"	10
					360				
				12	71049		71068	2.9/16"	12
					370				
				12	74853		74854	2.3/4"	12
					380				
				12	71050		71069	3"	12
					390				
				12	71051		71070	3.1/8"	12
					400				
				12	74855		74856	3.3/16"	12
					410				
				12	74857		74858	3.3/8"	12
					420				
				12	71052		71071	3.9/16"	12
					430				
				12	74859		74860	3.3/4"	12
					440				
				12	71053		71072	4"	12
					450				
				12	71054		71073	4.5/16"	12
					460				

LLAVE DINAMOMÉTRICA / TORQUE WRENCH / CLÉ DYNAMOMETRIQUE / DREHMOMENTSCHLÜSSEL / CHIAVE DINAMOMETRICA
CHAVE DINAMOMETRICA / ДИНАМОМЕТРИЧЕСКИЙ КЛЮЧ

Cu-Be	COD	Al-Bron	Nm	gr.
72171		72174	100	600
72172		72175	300	1250
72173		72176	500	1700

Cu-Be	Nm	gr.
74810	5-45	1,42



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ****ESTRELLA DE GOLPE / SLOGGING RING / POLYGONALE À FRAPPER / SCHLAG RINGSCHLÜSSEL / POLIGONALE AD IMPULSO
LUNETTA DE IMPACTO / УДАРНЫЙ КЛЮЧ ЗВЕЗДОЧКА**

MM

COD		mm	L mm	Kg.	COD		mm	L mm	Kg.
Cu-Be	Al-Bron				Cu-Be	Al-Bron			
70297	71080	17mm	165	0,2	72653	72699	64mm	300	1,5
70298	71081	19mm			70311	71094	65mm		1,8
72231	72230	20mm			72655	73340	66mm		2,2
70299	71082	22mm			72615	72625	67mm		
70300	71083	24mm			72656	72702	68mm		
72631	72677	25mm		72657	72703	69mm			
71906	72951	26mm		70312	71095	70mm	320		
70301	71084	27mm		72616	72626	71mm			
72633	72679	28mm		72658	72704	72mm			2,7
72634	72680	29mm		72659	72705	73mm			
70302	71085	30mm	72660	72706	74mm				
72635	72681	31mm	70313	71096	75mm	330	2,9		
70303	71086	32mm	72662	72708	76mm				
72609	72619	33mm	72617	72627	77mm		350	3,2	
73326	73331	34mm	72663	72709	78mm				
72610	72620	35mm	72664	72710	79mm				
70304	71087	36mm	70314	71097	80mm	3,5			
72611	72621	37mm	72665	72711	81mm				
71834	71835	38mm	72666	72712	82mm		3,9		
72636	72682	39mm	72667	72713	83mm				
73327	73332	40mm	72668	72714	84mm			360	4,0
70305	71088	41mm	70315	71098	85mm				
73328	73333	42mm	72670	72716	86mm				
72638	72684	43mm	72671	72717	87mm	390	5,0		
73329	73334	44mm	72672	73342	88mm				
72640	72686	45mm	72673	72719	89mm				
70306	71089	46mm	70316	71099	90mm			420	7,0
72229	72228	47mm	72675	72721	92mm				
73330	73335	48mm	72618	72628	94mm	450	8,5		
72642	72688	49mm	70317	71100	95mm				
70307	71090	50mm	73345	73344	98mm				
72643	72689	51mm	70318	71101	100mm				
70308	71091	52mm	71074	71102	105mm			480	12
72644	72690	53mm	71075	71103	110mm				
72613	72623	54mm	71076	71104	115mm	500	13		
70309	71092	55mm	71077	71105	120mm				
73470	73394	56mm	71078	71106	125mm				
72647	72693	57mm	71079	71107	130mm				
73471	73395	58mm	72084	72089	135mm				
72648	72694	59mm	72085	72090	140mm	270	1,5		
70310	71093	60mm	72086	72091	145mm				
72650	72696	61mm	72087	72092	150mm				
72651	72697	62mm	72088	72093	155mm				
72652	72698	63mm	72212	72210	160mm				

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ

ESTRELLA DE GOLPE / SLOGGING RING / POLYAGONALE À FRAPPER / SCHLAG RINGSCHLÜSSEL / POLIGONALE AD IMPULSO
LUNETTA DE IMPACTO / УДАРНЫЙ КЛЮЧ ЗВЕЗДОЧКА



INCH.

Cu-Be	COD		L mm	Kg.
	Cu-Be	Al-Bron		
72121	72127	5/8"	130	0,3
71108	71133	11/16"	165	
71109	71134	3/4"		
71110	71135	7/8"	175	0,4
75400	72303	15/16"		
71111	71136	1"	185	0,5
71112	71137	1.1/16"		
72122	72128	1.1/8"		
71113	71138	1.3/16"	200	0,6
71114	71139	1.1/4"		
75397	71789	1.5/16"	220	0,7
72123	72129	1.3/8"		
71115	71140	1.13/32"	230	0,8
72301	71791	1.7/16"		
72124	72130	1.1/2"	250	0,8
75398	71793	1.9/16"		
71116	71141	1.5/8"	230	0,8
71795	71794	1.11/16"		
72125	72131	1.3/4"	250	0,8
71117	71142	1.13/16"		
72126	72132	1.7/8"	250	0,8
75399	71797	1.15/16"		
71118	71143	2"	250	0,8

Cu-Be	COD		L mm	Kg.
	Cu-Be	Al-Bron		
75401	71798	2.1/16"	260	1,3
75402	71799	2.1/8"		
72954	71800	2.3/16"		
75403	75404	2.13/64"	270	1,3
71119	71144	2.1/4"		
71120	71145	2.5/16"	280	1,4
71121	71146	2.3/8"		
75405	71801	2.7/16"	300	1,5
71122	71147	2.1/2"		
71123	71148	2.9/16"	320	2,3
71124	71149	2.5/8"		
71125	71150	2.3/4"	330	2,3
71126	71151	2.15/16"		
71127	71152	3"	350	2,4
71128	71153	3.1/16"		
71129	71154	3.1/8"	390	2,8
71130	71155	3.3/8"		
71131	71156	3.9/16"	420	4,5
71132	71157	3.3/4"		
74335	75407	3.7/8"	450	5,0
75408	75409	3.15/16"		
75410	75411	4.1/8"	480	6,5
74331	74332	4.1/4"		
74333	74334	4.7/8"	480	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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА




29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ




ESTRELLA DE GOLPE ACODADA / OFFSET SLOGGING RING WRENCH / CLÉ POLYGONALE À FRAPPER CONTRE COUDEE
SCHLAG-RINGSCHLÜSSEL, GEKRÖPFT / POLIGONALE AD IMPULSO A GOMITO / CHAVE LUNETA INCLINADA DE PANCADA
УДАРНЫЙ ИЗОГНУТЫЙ РОЖКОВЫЙ КЛЮЧ



MM

Cu-Be	COD	Al-Bron			
			mm	mm	gr.
75465		75466	22mm	220	500
75467		75468	24mm		
74122		74123	27mm	240	650
74124		74125	30mm		
74126		74127	32mm	270	900
74128		74129	36mm		
74130		74131	41mm	300	1300
74132		74133	46mm		
74134		74135	50mm	320	2000
73593		73594	55mm		
73595		73596	60mm	350	2700
73597		73598	65mm		
73599		73600	70mm	400	3800
73601		73602	75mm		
73603		73604	80mm	430	5200
73605		73606	85mm		
73607		73608	90mm	440	6200
73609		73610	95mm		
73611		73612	100mm	440	7000
73613		73614	110mm		
73615		73616	120mm		8000

INCH.

Cu-Be	COD	Al-Bron			
				mm	gr.
73653		73654	1.1/16"	240	650
73655		73656	1.1/4"		
73657		73658	1.7/16"	270	900
73659		73660	1.1/2"		
73661		73662	1.5/8"	300	1300
73663		73664	1.3/4"		
73665		73666	1.7/8"	310	1700
73667		73668	2"		
73669		73670	2.1/4"	320	2000
73671		73672	2.3/8"		
73673		73674	2.1/2"	380	2700
73675		73676	2.5/8"		
73677		73678	2.3/4"	400	3200
73679		73680	2.7/8"		
73681		73682	3"	420	4200

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

Cu-Be	COD	Al-Bron			
			mm	mm	gr.
74137		74138	24mm	160	300
74139		74140	27mm	170	420
74141		74142	30mm	180	500
74143		74144	32mm	190	520
74145		74146	36mm	210	800
74147		74148	41mm	220	1000
74149		74150	46mm	240	1200
74151		74152	50mm	250	1500
74153		74154	55mm	270	1800
74155		74156	60mm	280	2200
74157		74158	65mm	300	2400
74159		74160	70mm	310	2800









29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ




ESTRELLA DE UNA BOCA / SINGLE END RING WRENCH / CLÉ POLYGAONALE / EINRINGSCHLÜSSEL / POLIGONALE UNA BOCCA
CHAVE LUNETEA DE UMA BOCA / КЛЮЧ ОДИНАРНАЯ ЗВЕЗДОЧКА



MM	COD				
	Cu-Be	Al-Bron			
73993	73994	8mm	100	25	
73995	73996	10mm	110	35	
73997	73998	12mm	120	50	
73999	74000	14mm	130	75	
74001	74002	16mm	145	120	
74003	74004	17mm	150	130	
74005	74006	18mm	160	135	
74007	74008	19mm	170	170	
74009	74010	20mm	175	180	
74011	74012	21mm	185	185	
74013	74014	22mm	190	195	
74015	74016	24mm	210	250	
74017	74018	27mm	230	340	
74019	74020	30mm	250	450	
74021	74022	32mm	270	500	
74023	74024	34mm	280	650	
74025	74026	36mm	290	750	
74027	74028	38mm	300	850	
74029	74030	41mm	310	950	
74031	74032	45mm	320	1200	
74033	74034	46mm	330	1250	
74035	74036	48mm	340	1400	
74037	74038	50mm	350	1500	
74039	74040	55mm	370	1700	
74041	74042	56mm		1750	
74043	74044	60mm	390	1900	
74045	74046	65mm	410	2200	
74047	74048	70mm	430	2600	
74049	74050	75mm	450	3200	
74051	74052	80mm	470	4000	
74053	74054	85mm	490	4400	

INCH.	COD				
	Cu-Be	Al-Bron			
74641	75471	1.1/4"	260	450	
74643	75472	1.7/16"	300	600	
74642	75473	1.1/2"	330	850	
74644	75474	1.5/8"			
74645	75475	1.13/16"	360	1100	
74646	75476	2"	400	1400	




ESTRELLA DE UNA BOCA ACODADA / OFFSET SINGLE END RING WRENCH / CLÉ POLYGAONALE CONTRE COUDEE
EINRINGSCHLÜSSEL, BEKRÖPFT / CHIAVE A GOMITO A STELLA UNA BOCCA / CHAVE LUNETEA BOCA INCLINADA
КЛЮЧ ИЗОГНУТАЯ ОДИНАРНАЯ ЗВЕЗДОЧКА

MM	COD				
	Cu-Be	Al-Bron			
74103	74104	17mm	150	130	
74105	74106	19mm	170	170	
74107	74108	21mm	185	210	
74109	74110	22mm	190	220	
74111	74112	24mm	210	280	
74113	74114	27mm	230	350	
74115	74116	30mm	250	480	
74117	74118	32mm	270	600	
74119	74120	36mm	290	750	



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА




29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ****ESTRELLA DE UNA BOCA CURVA / CURVED SINGLE END RING WRENCH / CLÉ POLYAGONALE COURBEE / EINRINGSCHLÜSSEL, GEBOGEN / POLIGONALE UNA BOCCA CURVA / CHAVE LUNETA UMA BOCA CURVA / КЛЮЧ ИЗОГНУТАЯ ОДИНАРНАЯ ЗВЕЗДОЧКА****MM**

COD				
Cu-Be	Al-Bron			
74056	74057	10mm	120	65
74058	74059	12mm	160	90
74060	74061	14mm	150	95
74062	74063	16mm	175	150
74064	74065	17mm		
74066	74067	19mm	200	220
74068	74069	22mm		
74070	74071	24mm		
74072	74073	27mm		
74074	74075	30mm	250	550
74076	74077	32mm		
74078	74079	34mm	290	600
74080	74081	36mm		
74082	74083	38mm	300	800
74084	74085	41mm		
74086	74087	46mm	340	1000
74088	74089	50mm		
74378	74379	51mm		
74090	74091	55mm	370	2000
74092	74093	60mm	400	2400
74094	74095	65mm	430	2500
74096	74097	70mm	450	3500
74098	74099	75mm	470	3900
74100	74101	80mm	490	4200

**DE VÁLVULA CUADRADA / VALVE SQUARE / CLÉ À VANNE CARREE / VENTILSCHLÜSSEL / VALVOLA QUADRATA / CHAVE DE VÁLVULA QUADRADA / КЛЮЧ С КВАДРАТОМ****MM**

COD				
Cu-Be	Al-Bron			
74162	74163	6mm	110	60
74164	74165	8mm	120	75
74166	74167	9mm	140	90
74168	74169	10mm		
74170	74171	11mm	160	120
74172	74173	12mm	190	170
74174	74175	13mm	200	180
74176	74177	14mm	250	270
74178	74179	16mm		
74180	74181	17mm	300	380
74182	74183	19mm	350	700
74184	74185	22mm	400	950
74186	74187	24mm	500	1200

**DE VASO CUADRADA / SQUARE SOCKET / DOUILLE CARREE / QUADRATISCHE EINSATZ / BUSSOLA QUADRATA / CHAVE DE CAIXA QUADRADA / ГОЛОВКА С ВНУТРЕННИМ КВАДРАТОМ****INCH.**

COD				
Cu-Be	Al-Bron			
74189	74190	3/8"	155	180



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

CABEZA FIJA / CROW FOOT OPEN END / TÊTE Á FOURCHE / HEBESTANGE / TESTA FISSA / CABEÇA FIXA / РОКОВАЯ НАСАДКА ПОД КВАДРАТ



MM

COD		■		L mm		
Cu-Be	Al-Bron					
72565	72566	1/2"		14mm	40	55
72567	72568			16mm	45	60
72569	72570			17mm	50	100
72571	72572			19mm		
72573	72574			20mm	60	135
72575	72576			22mm		
72577	72578			25mm	130	105
72579	72580			27mm		
72581	72582			28mm		

INCH.

COD		■		L mm			
Cu-Be	Al-Bron						
74814	74815	3/8"		7/16"	35	50	
74816	74817			1/2"			
72541	72542			9/16"			
72543	72544			5/8"	37		
72545	72546			11/16"	38		
72547	72548			7/8"	43		55
72549	72550			1.1/8"	50		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	

LLAVE ESTRELLA DE EXTENSIÓN / RING SPANNER FOR EXTENSION / CLÉ POLYAGONALE À EXTENSION / RINGSCHLÜSSEL MIT VERLÄNGERUNG / CHIAVE POLIGONALE PER ESTENSORI / CHAVE DE LUNETAS DE EXTENSÃO / ИЗОГНУТАЯ ЗВЕЗДОЧКА ПОД УДЛИНИТЕЛЬ

MM

COD			L mm	
Cu-Be	Al-Bron			
73688	73689	900	24mm	200
73472	73396		27mm	
70957	70982		30mm	220
70958	70983		32mm	
70959	70984		34mm	230
70960	70985		35mm	
70961	70986		36mm	
70962	70987		37mm	250
70963	70988		38mm	
70964	70989		41mm	270
70965	70990	42mm		
70966	70991	46mm	280	1600
70967	70992	47mm		
70968	70993	50mm	290	1700
70969	70994	52mm		
70970	70995	54mm	310	2000
70971	70996	55mm		
70972	70997	56mm	320	2200
70973	70998	58mm		
70974	70999	60mm	330	2700
70975	71000	63mm		
70976	71001	65mm	340	3300
70977	71002	67mm		
70978	71003	70mm		
70979	71004	71mm		
70980	71005	75mm		
70981	71006	77mm		



COD	L	Ø		
72605	600	22	24-41	900
72606	750	25	42-55	1600
72607	850	30	55-75	2500

latón / brass / laiton

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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА




29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****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 / РОЖКОВЫЙ КЛЮЧ

MM

COD					COD				
Cu-Be	Al-Bron				Cu-Be	Al-Bron			
75385	75386	5mm	75	30	72950	71818	29mm	240	270
70259	70936	6mm	85	40	70271	70948	30mm	250	300
70260	70937	7mm			702955	72911	31mm	260	
70261	70938	8mm	90	50	70272	70949	32mm	270	400
70262	70939	9mm	100		75387	75388	34mm	290	
70263	70940	10mm	105	70	70273	70950	36mm	300	900
70264	70941	11mm	105		74403	74404	37mm	310	
72939	71807	12mm	110	85	75389	75390	38mm	320	500
72940	71808	13mm	120		74344	74345	39mm		
70265	70942	14mm	125	100	73300	73305	40mm	340	550
72941	71809	15mm	130		70274	70951	41mm		
72942	71810	16mm	135	150	74346	73306	42mm	350	900
70266	70943	17mm	145		73302	73307	44mm		
72943	71811	18mm	150	170	75391	75392	45mm	370	1200
70267	70944	19mm	155		70275	70952	46mm		
72944	71812	20mm	165	200	73303	73308	48mm	400	2100
72945	71813	21mm	170		70276	70953	50mm		
70268	70945	22mm	180	220	73304	73309	52mm	420	3500
72946	71814	23mm	190		70277	70954	55mm		
70269	70946	24mm	195	230	70278	70955	60mm	450	3200
72947	71815	25mm	210		70279	70956	65mm		
72948	71816	26mm	220	250	75393	75394	70mm	550	3200
70270	70947	27mm			220	75395	75396	75mm	600
72949	71817	28mm	230						

FIJA DE UNA BOCA CURVA / BEND SINGLE OPEN END / À UNE FOURCHE COURBÉE / GEBOGEN MAUL / FISSA AD UNA BOCCA
CURVA / FIXA DE UMA BOCA CURVA / ИЗОГНУТЫЙ РОЖКОВЫЙ

MM

COD				
Cu-Be	Al-Bron			
73909	73910	12mm	120	50
73911	73912	14mm	130	80
73913	73914	17mm	150	120
73915	73916	19mm	170	170
75479	75480	21mm		
73917	73918	22mm	190	240
73919	73920	24mm	210	250
75481	75482	26mm	230	350
73921	73922	27mm		
75483	75484	28mm	250	470
75485	75486	29mm		
73923	73924	30mm	270	550
73925	73926	32mm		
73927	73928	34mm	280	700
73929	73930	36mm	290	800
73931	73932	41mm	310	1000
73933	73934	46mm	330	1300
73935	73936	50mm	350	1500
73937	73938	55mm	370	2000

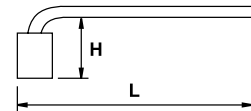


29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ

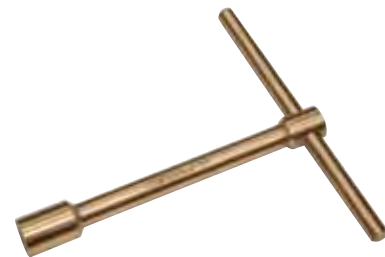
DE PIPA / ANGLED SOCKET / CLÉS À PIPE / PFEIFENSCHLÜSSEL / CHIAVI A PIPA / DE CACHIMBO / ГОЛОВКА С ИЗОГНУТОЙ РУКОЯТКОЙ

MM	COD					
	Cu-Be	Al-Bron				
75489	75490	6mm	120	29	100	
75491	75492	7mm	130	30	120	
70417	71361	8mm	145	33	140	
70418	71362	9mm	155		180	
73312	73319	10mm	170	37	190	
70419	71363	11mm	190	39	210	
73313	73320	12mm	210	42		
73314	73321	13mm			240	
70420	71364	14mm	240	45	290	
73315	73322	15mm			330	
73316	73323	16mm	250	48	450	
70421	71365	17mm		50		
75493	75494	18mm	260		500	
70422	71366	19mm				
75495	75496	20mm	270	55	550	
75497	75498	21mm			700	
70423	71367	22mm	280	60	750	
75499	75500	23mm				
70424	71368	24mm		65	800	
75501	75502	25mm				
75503	75504	26mm	290			
70425	71369	27mm		70	850	
75505	75506	28mm				
75507	75508	29mm	300	75	950	
73317	73324	30mm				
73318	73325	32mm	310	80		
75509	75510	33mm	320		1100	
75511	75512	34mm				
75513	75514	35mm		85		
72916	72914	36mm	330		1200	
75515	75516	37mm				
75517	75518	38mm				
72917	72915	41mm	350	90	1300	
75519	75520	42mm				
75521	75522	46mm	360		1700	
75523	75524	47mm				
75525	75526	50mm	370	95	2000	
75527	75528	55mm			2300	
75529	75530	60mm	380	100	2600	
75531	75532	65mm			2700	
75533	75534	70mm	390	105	3000	



LLAVE 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				
	Cu-Be	Al-Bron			
71370	71381	9mm			
71371	71382	11mm	170		250
71372	71383	14mm			
71373	71384	17mm		230	400
71374	71385	19mm			
71375	71386	22mm			700
71376	71387	24mm	260		750
71377	71388	27mm			
71378	71389	30mm	300		900
71379	71390	32mm			
72096	72097	36mm	350		950
71380	71391	38mm	400		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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

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

Cu-Be	Al-Bron	COD			
73951	73952		8mm	210	130
73953	73954		10mm		140
73955	73956		12mm		145
73957	73958		14mm		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

Cu-Be	Al-Bron	COD			
74192	74193		10mm	150	250
74194	74195		12mm	170	280
74196	74197		14mm		380
74198	74199		17mm	190	450
74200	74201		19mm	220	600
74202	74203		22mm	240	650
74204	74205		24mm	260	900
74206	74207		27mm		950
74208	74209		30mm	280	1200
74210	74211		32mm		1400
74212	74213		36mm	300	1700
74214	74215		41mm		1900

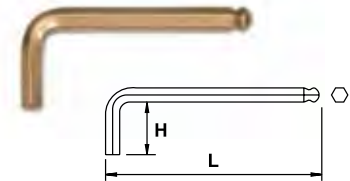


LLAVES HEXAGONALES DE BOLA / BALLPOINT HEXAGONAL KEYS / CLÉS MÂLES À TÊTE SPHÉRIQUE / KUGELKOPF INBUSSCHLÜSSEL / CHIAVI ESAGONALI CON TESTA SFERICA / CHAVES HEXAGONAIS ESFERICAS / ШЕСТИГРАННЫЕ КЛЮЧИ С ШАРОВОЙ ГОЛОВКОЙ

STANDARD

MM

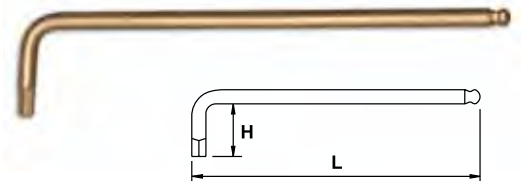
Cu-Be	Al-Bron	COD				
75553	75554		2mm	50	16	5
72177	72184		3mm	63	20	
72178	72185		4mm	70	25	10
72179	72186		5mm	80	28	20
72180	72187		6mm	90	32	30
75555	75556		7mm	95	34	50
72181	72188		8mm	100	36	55
75557	75558		9mm	106	38	85
72182	72189		10mm	112	40	100
75559	75560		11mm	118	42	140
72183	72190		12mm	125	45	160



SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SCHNKL / SERIE LUNGA / SERIE LONGA / ДЛИННЫЕ

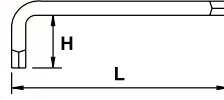
MM

Cu-Be	Al-Bron	COD				
70410	71354		3mm	128	26	8
70411	71355		4mm	144	30	17
70412	71356		5mm	163	34	31
70413	71357		6mm	184	41	50
70414	71358		8mm	190	47	100
70415	71359		10mm	220	54	150
70416	71360		12mm	270	60	350



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES HEXAGONALES / HEXAGONAL KEYS / CLÉS MÂLES / INBUSSCHLÜSSEL / CHIAVI ESAGONALI / CHAVES HEXAGONAIS
ШЕСТИГРАННЫЕ КЛЮЧИ



MM		COD		L mm	H mm	gr.	INCH.		COD		L mm	H mm	gr.	
Cu-Be	Al-Bron	Cu-Be	Al-Bron				Cu-Be	Al-Bron						
72239	72238	1,5mm		38	13	5	1/16"				38	13	5	
70391	71287	2mm					5/64"							
72929	72928	2,5mm					3/32"							
70392	71288	3mm		59	25	10	7/64"			58	24	10		
70393	71289	4mm					1/8"							
70394	71290	5mm		65	30	15	9/64"			64	29	15		
70395	71291	6mm		79	32	20	71307	71331	5/32"	65	30	20		
70396	71292	7mm		85	43	30	71308	71332	3/16"	79	31	15		
70397	71293	8mm		88	44	45	71309	71333	7/32"	85	37	20		
70398	71294	9mm		92	44	55	71310	71334	1/4"	85	37	30		
70399	71295	10mm		97	45	70	71311	71335	9/32"	88	43	40		
72241	72240	11mm		110	48	90	75541	75542	5/16"	92	44	45		
70400	71296	12mm		119	52	130	71312	71336	11/32"	97	44	50		
72243	72242	13mm		130	54	160	75543	75544	3/8"	110	45	80		
70401	71297	14mm		140	58	190	71313	71337	7/16"	119	48	100		
74629	74634	15mm		150	60	240	71314	71338	1/2"	140	55	170		
72931	72930	16mm		156	63	280	71315	71339	9/16"	150	58	190		
70402	71298	17mm		162	65	350	71316	71340	5/8"	162	63	260		
72245	72244	18mm		168	65	350	71317	71341	11/16"	168	65	350		
70403	71299	19mm		173	69	420	71318	71342	3/4"	178	73	450		
74630	74631	20mm		177	72	450	71319	71343	13/16"	184	77	550		
74632	74633	21mm		184	74	600	71320	71344	7/8"	187	79	650		
70404	71300	22mm					186	77	650	75547	75548	15/16"	192	82
75228	75229	23mm		192	82	800	71321	71345	1"	200	85	900		
70405	71301	24mm					192	82	800	71322	71346	1.1/16"	213	93
75230	75231	25mm		200	90	1000	71323	71347	1.1/8"	222	95	1400		
75232	75233	26mm		206	93	1200	75549	75550	1.3/16"	240	105	1400		
70406	71302	27mm		213	95	1300	71324	71348	1.1/4"	266	116	1900		
75234	75235	28mm		222	95	1300	71325	71349	1.5/16"	280	122	2300		
75236	75237	29mm		230	100	1400	71326	71350	1.3/8"	294	128	2700		
75238	75239	30mm		240	105	1500	71327	71351	1.7/16"					
70407	71303	32mm		266	116	2000	71328	71352	1.1/2"	304	133	3500		
70408	71304	36mm		294	128	2700	71329	71353	1.5/8"	320	140	4000		
70409	71305	41mm		320	140	4000								

SET

COD		L	gr.
Cu-Be	Al-Bron		
74352	74353	1,5-2-2,5-3-4-5-5,5-6-8-10	370



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА




29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES DE VASO / SOCKET WRENCHES / DOUILLES / STECKSCHLÜSSEL / BUSSOLE
CHAVES DE CAIXA / ГОЛОВКИ




1/4"



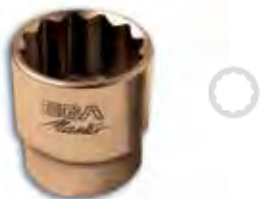
MM

COD				
Cu-Be	Al-Bron			
71909	71930	4mm	25	10
75562	75563	4,5mm		
71910	71931	5mm		
75551	75552	5,5mm		
71911	71932	6mm		
71912	71933	7mm		
71913	71934	8mm		
71914	71935	9mm		
71915	71936	10mm		
71916	71937	11mm		
71917	71938	12mm		
71918	71939	13mm		
71919	71940	14mm		
75564	75565	15mm		
75566	75567	16mm		
75568	75569	17mm		
75570	75571	18mm		
75572	75573	19mm		




INCH.

COD				
Cu-Be	Al-Bron			
75574	75575	5/32"	25	10
71920	71941	3/16"		
71921	71942	7/32"		
71922	71943	1/4"		
71923	71944	9/32"		
71924	71945	5/16"		
71925	71946	11/32"		
71926	71947	3/8"		
71927	71948	7/16"		
71928	71949	1/2"		
71929	71950	9/16"		




NEW



MM

COD				
Cu-Be	Al-Bron			
74406	74427	4mm	25	10
75576	75577	4,5mm		
74407	74428	5mm		
75578	75579	5,5mm		
74408	74429	6mm		
74409	74430	7mm		
74410	74431	8mm		
74411	74432	9mm		
74412	74433	10mm		
74413	74434	11mm		
74414	74435	12mm		
74415	74436	13mm		
74416	74437	14mm		
75580	75581	15mm		
75582	75583	16mm		
75584	75585	17mm		
75586	75587	18mm		
75588	75589	19mm		

INCH.

COD				
Cu-Be	Al-Bron			
75590	75591	5/32"	25	10
74417	74438	3/16"		
74418	74439	7/32"		
74419	74440	1/4"		
74420	74441	9/32"		
74421	74442	5/16"		
74422	74443	11/32"		
74423	74444	3/8"		
74424	74445	7/16"		
74425	74446	1/2"		
74426	74447	9/16"		

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVE DE CARRACA REVERSIBLE / REVERSIBLE RATCHET HANDLE / CLÉ À CLIQUET / UMSCHALTKNARRE
CHIAVE A CRICCO REVERSIBILE / ROQUETE REVERSIVEL / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD				
Cu-Be	Al-Bron			
71955	71956	1/4"	130	400






ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENÇÃO / УДЛИНИТЕЛЬ

COD				
Cu-Be	Al-Bron			
71959	71961	1/4"	4"	200
71960	71962		8"	400





CARRACA MACHO-HEMERA / MALE-FEMALE RATCHET / CLIQUET MALE-FEMELLE / RATSCHKE DOPPELT FUNKTION
CRICCO MASCHIO-FEMMINA / ROQUETE MACHO-FÊMEA / ТРЕЩЕТКА ПАПА-МАМА

COD				
Cu-Be	Al-Bron			
73722	73723	1/4"	200	350



MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / T-GLEITGRIFF / ASTA CON QUADRO
SCORREVOLO "T" / CABO "T" CORREDIÇO / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD				
Cu-Be	Al-Bron			
71957	71958	1/4"	10"	250





ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELENK / SNODO CARDANICO
CARDAN UNIVERSAL / КАРДАННОЕ СОЕДИНЕНИЕ

COD				
Cu-Be	Al-Bron			
71953	71954	1/4"	55	150







ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEILE / ADATTATORE / PEÇA DE CONEXÃO / АДАПТЕР

COD			
Cu-Be	Al-Bron		
75718	75719	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					
Cu-Be	Al-Bron				
73692	73693	3mm	1/4"	55	20
73694	73695	4mm			
73696	73697	5mm			
73698	73699	6mm			
73700	73701	7mm			
73702	73703	8mm	65	55	
73704	73705	9mm			
73706	73707	10mm			65



DESTORNILLADOR PORTAVASOS / SOCKET HOLDER / TOURNEVIS PORTE DOUILLE / SCHRAUBENDREHERHALTER / CACCIAVITI
PORTABUSSOLE / CHAVE PORTA CHAVES DE CAIXA / ДЕРЖАТЕЛЬ ГОЛОВОК

COD					
Cu-Be	Al-Bron				
73731	73732	1/4"	55	195	60



29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****LLAVES DE VASO / SOCKET WRENCHES / DOUILLES / STECKSCHLÜSSEL / BUSSOLE
CHAVES DE CAIXA / ГОЛОВКИ****3/8"****NEW**

MM					INCH.					
Cu-Be	COD		L mm	gr.	Cu-Be	COD		L mm	gr.	
	Al-Bron					Al-Bron				
75592	75593		5mm	28	20	75624	75625	5/16"	32	20
75594	75595		5,5mm			75626	75627	3/8"		
75596	75597		6mm			75628	75629	7/16"		
75598	75599		7mm			75630	75631	1/2"		
75600	75601		8mm			75632	75633	9/16"		
75602	75603		9mm			75634	75635	5/8"		
75604	75605		10mm			75636	75637	11/16"		
75606	75607		11mm			75638	75639	3/4"		
75608	75609		12mm			75640	75641	13/16"		
75610	75611		13mm			75642	75643	7/8"		
75612	75613		14mm	75644	75645	15/16"				
75614	75615		15mm	35	40	35	80			
75616	75617		16mm					45		
75618	75619		17mm						55	
75620	75621		19mm							60
75622	75623		20mm							

NEW

MM					INCH.					
Cu-Be	COD		L mm	gr.	Cu-Be	COD		L mm	gr.	
	Al-Bron					Al-Bron				
75646	75647		5mm	28	20	75678	75679	5/16"	32	20
75648	75649		5,5mm			75680	75681	3/8"		
75650	75651		6mm			75682	75683	7/16"		
75652	75653		7mm			75684	75685	1/2"		
75654	75655		8mm			75686	75687	9/16"		
75656	75657		9mm			75688	75689	5/8"		
75658	75659		10mm			75690	75691	11/16"		
75660	75661		11mm			75692	75693	3/4"		
75662	75663		12mm			75694	75695	13/16"		
75664	75665		13mm			75696	75697	7/8"		
75666	75667		14mm	75698	75699	15/16"				
75668	75669		15mm	35	40	35	80			
75670	75671		16mm					45		
75672	75673		17mm						55	
75674	75675		19mm							60
75676	75677		20mm							

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVE DE CARRACA REVERSIBLE / REVERSIBLE RATCHET HANDLE / CLÉ À CLIQUET / UMSCHALTKNARRE
CHIAVE A CRICCO REVERSIBILE / ROQUETE REVERSIVEL / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD				
Cu-Be	Al-Bron			
75700	75701	3/8"	200	400



ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENÇÃO / УДЛИНИТЕЛЬ

COD				
Cu-Be	Al-Bron			
75702	75703	3/8"	8"	400
75704	75705		10"	500



CARRACA MACHO-HEMBRA / MALE-FEMALE RATCHET / CLIQUET MALE-FEMELLE / RATSCHÉ DOPPELT FUNKTION
CRICCO MASCHIO-FEMMINA / ROQUETE MACHO-FÊMEA / ТРЕЩЕТКА ПАПА-МАМА

COD				
Cu-Be	Al-Bron			
75706	75707	3/8"	200	350



MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / T-GLEITGRIFF / ASTA CON QUADRO
SCORREVOLO "T" / CABO "T" CORREDIÇO / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD				
Cu-Be	Al-Bron			
75708	75709	3/8"	10"	250



MANGO ARTICULADO / HINGED HANDLE / MANCHE ARTICULÉ / GELENKGRIFF / MANICO ARTICOLATO / CABO ARTICULADO /
ГИБКАЯ РУКОЯТКА

COD				
Cu-Be	Al-Bron			
75710	75711	3/8"	175	220



MANGO ACODADO / OFFSET HANDLE / MANCHE CONTRE COUDÉ / BEKRÖPFTE HANDGRIFF / DOPPIO MANICO / CABO
DESALINHADO / ИЗОГНУТАЯ РУКОЯТКА

COD				
Cu-Be	Al-Bron			
75712	75713	3/8"	200	300



ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELENK / SNODO CARDANICO
CARDAN UNIVERSAL / КАРДАННОЕ СОЕДИНЕНИЕ

COD				
Cu-Be	Al-Bron			
75714	75715	3/8"	70	150



ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEILE / ADATTATORE / PEÇA DE CONEXÃO / АДАПТЕР

COD			
Cu-Be	Al-Bron		
75716	75717	3/8"-1/4"	20
75722	75723	3/8"-1/2"	50



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES DE VASO / SOCKET WRENCHES / DOUILLES / STECKSCHLÜSSEL / BUSSOLE
CHAVES DE CAIXA / ГОЛОВКИ

1/2"



MM		COD		L	gr.
Cu-Be	Al-Bron			mm	
70319	71158	6mm	40		60
70320	71159	7mm			
70321	71160	8mm			
70322	71161	9mm			
70323	71162	10mm			
70324	71163	11mm			
70325	71164	12mm	80		70
70326	71165	13mm			
70327	71166	14mm			
70328	71167	15mm			
70329	71168	16mm	90		80
70330	71169	17mm			
70331	71170	18mm			
70332	71171	19mm	42		100
70333	71172	20mm			
70334	71173	21mm	43		120
70335	71174	22mm			
70336	71175	23mm			
70337	71176	24mm			
70338	71177	25mm			
70339	71178	26mm			
70340	71179	27mm	46		200
70341	71180	28mm			
70342	71181	29mm			
70343	71182	30mm			
70344	71183	32mm	50		350
74693	74692	34mm			
74325	74326	36mm			

INCH.		COD		L	gr.
Cu-Be	Al-Bron			mm	
71184	71202	1/4"	40		60
71185	71203	5/16"			
71186	71204	3/8"			
71187	71205	7/16"			
71188	71206	1/2"			
71189	71207	9/16"			
71190	71208	19/32"	80		70
71191	71209	5/8"			
71192	71210	11/16"			
71193	71211	3/4"			
71194	71212	25/32"	42		90
71195	71213	13/16"			
71196	71214	7/8"			
71197	71215	15/16"	43		100
71198	71216	1"			
71199	71217	1.1/16"	46		120
71200	71218	1.1/8"			
71201	71219	1.1/4"			
74882	74883	1.7/16"	47		140
					150
					200
					250
					300

NEW



MM		COD		L	gr.
Cu-Be	Al-Bron			mm	
74448	74475	6mm	40		60
74449	74476	7mm			
74450	74477	8mm			
74451	74478	9mm			
74452	74479	10mm			
74453	74480	11mm			
74454	74481	12mm	80		70
74455	74482	13mm			
74456	74483	14mm			
74457	74484	15mm			
74458	74485	16mm	90		80
74459	74486	17mm			
74460	74487	18mm			
74461	74488	19mm	42		100
74462	74489	20mm			
74463	74490	21mm	43		120
74464	74491	22mm			
74465	74492	23mm			
74466	74493	24mm			
74467	74494	25mm			
74468	74495	26mm			
74469	74496	27mm	46		200
74470	74497	28mm			
74471	74498	29mm			
74472	74499	30mm			
74473	74500	32mm	50		350
75300	75301	34mm			
74474	74501	36mm			

INCH.		COD		L	gr.
Cu-Be	Al-Bron			mm	
74502	74520	1/4"	40		60
74503	74521	5/16"			
74504	74522	3/8"			
74505	74523	7/16"			
74506	74524	1/2"			
74507	74525	9/16"			
74508	74526	19/32"	80		70
74509	74527	5/8"			
74510	74528	11/16"			
74511	74529	3/4"			
74512	74530	25/32"	42		90
74513	74531	13/16"			
74514	74532	7/8"			
74515	74533	15/16"	43		100
74516	74534	1"			
74517	74535	1.1/16"	46		120
74518	74536	1.1/8"			
74519	74537	1.1/4"			
75302	75304	1.7/16"	47		140
					150
					200
					250
					300

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVE DE CARRACA REVERSIBLE / REVERSIBLE RATCHET HANDLE / CLÉ À CLIQUET / UMSCHALTKNARRE
CHIAVE A CRICCO REVERSIBILE / ROQUETE REVERSIVEL / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD				
Cu-Be	Al-Bron			
70375	71272	1/2"	250	600



CARRACA MACHO-HEMBRA / MALE-FEMALE RATCHET / CLIQUET MALE-FEMELLE / RATSCHKE DOPPELT FUNKTION
CRICCO MASCHIO-FEMMINA / ROQUETE MACHO-FÊMEA / ТРЕЩЕТКА ПАПА-МАМА

COD				
Cu-Be	Al-Bron			
73724	73725	1/2"	250	450



MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / T-GLEITGRIFF / ASTA CON QUADRO
SCORREVOLO "T" / CABO "T" CORREDIÇO / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD				
Cu-Be	Al-Bron			
70378	71274	1/2"	10"	400
70379	71275		12"	500



MANGO ARTICULADO / HINGED HANDLE / MANCHE ARTICULÉ / BELENKGRIF / MANICO ARTICOLATO / CABO ARTICULADO
ГИБКАЯ РУКОЯТКА

COD				
Cu-Be	Al-Bron			
72400	72401	1/2"	230	330
72402	72403		330	400
72404	72405		410	550



MANGO ACODADO / OFFSET HANDLE / MANCHE CONTRE COUDÉ / BEKRÖPFTE HANDGRIFF / DOPPIO MANICO / CABO
DESALINHADO / ИЗОГНУТАЯ РУКОЯТКА

COD				
Cu-Be	Al-Bron			
72410	72411	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				
Cu-Be	Al-Bron			
73709	73710	13x2mm	1/2"	50
				100



BERBIQUÍ / SPEEDER HANDLE / VILLEBREQUIN / WINDE / LEVA GIROVECCHINO / MANIVELA / КОЛЕНЧАТАЯ РУЧКА

COD				
Cu-Be	Al-Bron			
72416	72417	1/2"	390	750



ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENÇÃO / УДЛИНИТЕЛЬ

COD				
Cu-Be	Al-Bron			
70383	71279	1/2"	4"	200
70384	71280		8"	400
70385	71281		10"	500



ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELENK / SNODO CARDANICO / CARDAN
UNIVERSAL / КАРДАННОЕ СОЕДИНЕНИЕ

COD				
Cu-Be	Al-Bron			
70372	71269	1/2"	80	200



ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEILE / ADATTATORE / PEÇA DE CONEXÃO / АДАПТЕР

COD				
Cu-Be	Al-Bron			
75720	75721	1/2"-3/8"	1/2"-3/4"	70
70369	71266			200



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES DE VASO / SOCKET WRENCHES / DOUILLES / STECKSCHLÜSSEL / BUSSOLE
CHAVES DE CAIXA / ГОЛОВКИ

3/4"



COD		mm	L mm	gr
Cu-Be	Al-Bron			
74649	74653	17mm	50	200
75724	75725	18mm		
74650	74654	19mm		
74651	74655	21mm	55	250
74652	74656	22mm		
70345	71220	24mm		
71908	72953	26mm	60	280
70346	71221	27mm		
75726	75727	28mm		
75728	75729	29mm	65	310
70347	71222	30mm		
75730	75731	31mm		
70348	71223	32mm	70	320
74863	74864	34mm		
70349	71224	36mm		
74865	74866	38mm	75	370
70350	71225	41mm		
70351	71226	46mm		
70352	71227	50mm	80	850

COD		INCH.	L mm	gr
Cu-Be	Al-Bron			
74786	74787	3/4"	50	220
75732	75733	13/16"		
74788	74789	7/8"		
74790	74791	15/16"	55	240
74792	74793	1"		
74802	74803	1.1/16"		
74804	74805	1.1/8"	60	280
74867	74868	1.3/16"		
74869	74870	1.1/4"		
71228	71239	1.5/16"	65	310
71229	71240	1.3/8"		
71230	71241	1.7/16"		
71231	71242	1.1/2"	70	360
71232	71243	1.9/16"		
71233	71244	1.5/8"		
71234	71245	1.11/16"	75	400
71235	71246	1.3/4"		
71236	71247	1.13/16"		
71237	71248	1.7/8"	80	430
71238	71249	2"		

NEW



COD		mm	L mm	gr
Cu-Be	Al-Bron			
75734	75735	17mm	50	200
75736	75737	18mm		
75738	75739	19mm		
75740	75741	21mm	55	250
75742	75743	22mm		
74538	74547	24mm		
74539	74548	26mm	60	280
74540	74549	27mm		
75744	75745	28mm		
75746	75747	29mm	65	310
74541	74550	30mm		
75748	75749	31mm		
74542	74551	32mm	70	320
75750	75751	34mm		
74543	74552	36mm		
75752	75753	38mm	75	370
74544	74553	41mm		
74545	74554	46mm		
74546	74555	50mm	80	850

COD		INCH.	L mm	gr
Cu-Be	Al-Bron			
75754	75755	3/4"	50	220
75756	75757	13/16"		
75758	75759	7/8"		
75760	75761	15/16"	55	240
75762	75763	1"		
75764	75765	1.1/16"		
75766	75767	1.1/8"	60	280
75768	75769	1.3/16"		
75770	75771	1.1/4"		
74556	74567	1.5/16"	65	310
74557	74568	1.3/8"		
74558	74569	1.7/16"		
74559	74570	1.1/2"	70	360
74560	74571	1.9/16"		
74561	74572	1.5/8"		
74562	74573	1.11/16"	75	400
74563	74574	1.3/4"		
74564	74575	1.13/16"		
74565	74576	1.7/8"	80	430
74566	74577	2"		

CARRACA MACHO-HEMBRA / MALE-FEMALE RATCHET / CLIQUET MALE-FEMELLE / RATSCH E DOPPELT FUNKTION
CRICCO MASCHIO-FEMMINA / ROQUETE MACHO-FÊMEA / ТРЕЩЕТКА ПАПА-МАМА

COD		INCH.	L mm	gr
Cu-Be	Al-Bron			
73726	73727	3/4"	300	1000






29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

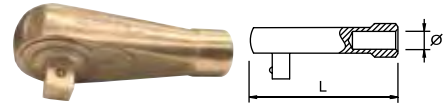
LLAVE DE CARRACA REVERSIBLE / REVERSIBLE RATCHET HANDLE / CLÉ À CLIQUET / UMSCHALTKNARRE
CHIAVE A CRICCO REVERSIBILE / ROQUETE REVERSIVEL / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD				
Cu-Be	Al-Bron			
70376	71273	3/4"	390	1400






CABEZA DE CARRACA / RATCHET HEAD / TÊTE DE CLIQUET / RATSCHEN KOPF / TESTA A CRICCO / CABEÇA DE ROQUETE
ГОЛОВКА ТРЕЩЕТКИ

COD			Ø (mm)		
Cu-Be	Al-Bron				
73712	73713	3/4"	21	160	1500







MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / T-GLEITGRIFF / ASTA CON QUADRO SCORREVOLO
"T" / CABO "T" CORREDIÇO / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD					
Cu-Be	Al-Bron				
70380	71276	3/4"	10"	250	900
70381	71277	3/4"	18"	460	1700






MANGO CORREDIZO EN "T" LARGO / LONG SLIDING "T" HANDLE / POIGNÉE COULISSANTE LONGUE / LANGE T-GRIFF MIT
GLEITSTÜCK / MANICO LUNGO SCORREVOLE A T / CABO T CORREDIÇO LONGO / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ ДЛИННАЯ

COD					
Cu-Be	Al-Bron				
73717	73718	3/4"	350	190	1500



MANGO ARTICULADO / HINGED HANDLE / MANCHE ARTICULÉ / GELENKGRIFF / MANICO ARTICOLATO / CABO ARTICULADO
ГИБКАЯ РУКОЯТКА

COD				
Cu-Be	Al-Bron			
72406	72407	3/4"	300	600



MANGO ACODADO / OFFSET HANDLE / MANCHE CONTRE COUDÉ / BEKRÖPFTE HANDGRIFF / DOPPIO MANICO / CABO
DESALINHADO / ИЗОГНУТАЯ РУКОЯТКА

COD				
Cu-Be	Al-Bron			
72412	72413	3/4"	280	700






ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENÇÃO / УДЛИНИТЕЛЬ

COD				
Cu-Be	Al-Bron			
70386	71282	3/4"	4"	200
70387	71283		8"	400
70388	71284		10"	500



ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELENK / SNODO CARDANICO / CARDAN
UNIVERSAL / КАРДАННОЕ СОЕДИНЕНИЕ

COD				
Cu-Be	Al-Bron			
70373	71270	3/4"	135	600





ARTICULACIÓN FLEXIBLE / FLEXIBLE JOINT / ARTICULATION FLEXIBLE / FLEXIBLE VERBINDUNG / ARTICOLAZIONE
FLESSIBILE / ARTICULAÇÃO FLEXÍVEL / ГИБКОЕ СОЕДИНЕНИЕ

COD					
Cu-Be	Al-Bron				
72396	72397	3/4"	120	21	800



ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEILE / ADATTATORE / PEÇA DE CONEXÃO / АДАПТЕР




COD			
Cu-Be	Al-Bron		
70368	71265	3/4"-1/2"	200
70371	71268	3/4"-1"	410



29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****LLAVES DE VASO / SOCKET WRENCHES / DOUILLES / STECKSCHLÜSSEL / BUSSOLE
CHAVES DE CAIXA / ГОЛОВКИ****1"****MM**

Cu-Be	COD				
	Cu-Be	Al-Bron			
75772	75773		22mm	55	330
75774	75775		24mm		340
75776	75777		25mm		350
75778	75779		26mm		360
75780	75781		27mm		370
75782	75783		28mm	60	400
75784	75785		29mm		410
75786	75787		30mm		440
75788	75789		31mm		450
75790	75791		32mm		460
75792	75793		34mm	65	500
75794	75795		36mm		600
75796	75797		38mm		700
70353	71250		41mm		800
70354	71251		42mm		1000
70355	71252		46mm	70	1100
70356	71253		50mm		1400
70357	71254		55mm		1500
70358	71255		60mm		2000
70359	71256		65mm		2200
70360	71257		70mm	75	2000
70361	71258		75mm		2200
70362	71259		80mm		4600
70363	71260		85mm		4800
70364	71261		90mm		4900
70365	71262		95mm	80	4900
70366	71263		100mm		5000
70367	71264		105mm		5200

INCH.

Cu-Be	COD				
	Cu-Be	Al-Bron			
75798	75799		1.1/16"	55	360
75800	75801		1.1/8"		400
75802	75803		1.3/16"	60	430
75804	75805		1.1/4"		440
75806	75807		1.5/16"		460
75808	75809		1.3/8"		500
75810	75811		1.7/16"		550
75812	75813		1.1/2"	65	700
75814	75815		1.5/8"		800
75816	75817		1.7/8"	70	1000
75818	75819		2"		1250
75820	75821		2.1/4"		1400
75822	75823		2.1/2"	75	1500
75824	75825		2.3/4"		1500
75826	75827		3"		1500

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ




1”





NEW



MM

Cu-Be	COD Al-Bron			
75828	75829	22mm	55	330
75830	75831	24mm		340
75832	75833	25mm		350
75834	75835	26mm		360
75836	75837	27mm		370
75838	75839	28mm		400
75840	75841	29mm		410
75842	75843	30mm	60	440
75844	75845	31mm		450
75846	75847	32mm		460
75848	75849	34mm		500
75850	75851	36mm	65	600
75852	75853	38mm		700
74578	74593	41mm	70	800
74579	74594	42mm		1000
74580	74595	46mm		1100
74581	74596	50mm	75	1400
74582	74597	55mm		1500
74583	74598	60mm	80	2000
74584	74599	65mm		2200
74585	74600	70mm		4600
74586	74601	75mm	85	4800
74587	74602	80mm		4900
74588	74603	85mm	90	5000
74589	74604	90mm		5200
74590	74605	95mm		
74591	74606	100mm		
74592	74607	105mm	95	

INCH.

Cu-Be	COD Al-Bron			
75854	75855	1.1/16"	55	360
75856	75857	1.1/8"		400
75858	75859	1.3/16"	60	430
75860	75861	1.1/4"		440
75862	75863	1.5/16"		460
75864	75865	1.3/8"		500
75866	75867	1.7/16"	65	550
75868	75869	1.1/2"		700
75870	75871	1.5/8"	70	800
75872	75873	1.7/8"		1000
75874	75875	2"		1250
75876	75877	2.1/4"	75	1400
75878	75879	2.1/2"		1500
75880	75881	2.3/4"	80	
75882	75883	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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА




29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

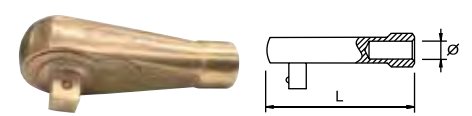
LLAVE DE CARRACA REVERSIBLE / REVERSIBLE RATCHET HANDLE / CLÉ À CLIQUET / UMSCHALTKNARRE
CHIAVE A CRICCO REVERSIBILE / ROQUETE REVERSIVEL / РЕВЕРСИВНАЯ ТРЕЩЕТКА

COD				
Cu-Be	Al-Bron			
72630	72629	1"	550	1600






CABEZA DE CARRACA / RATCHET HEAD / TÊTE DE CLIQUET / RATSCHEN KOPF / TESTA A CRICCO / CABEÇA DE ROQUETE
ГОЛОВКА ТРЕЩЕТКИ

COD			Ø (mm)		
Cu-Be	Al-Bron				
73714	73715	1"	23	180	3000






CARRACA MACHO-HEMBRA / MALE-FEMALE RATCHET / CLIQUET MALE-FEMELLE / RATSCHEN DOPPELT FUNKTION
CRICCO MASCHIO-FEMMINA / ROQUETE MACHO-FÊMEA / ТРЕЩЕТКА ПАПА-МАМА

COD				
Cu-Be	Al-Bron			
73728	73729	1"	300	1000







MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / T-GLEITGRIFF / ASTA CON QUADRO
SCORREVOLO "T" / CABO "T" CORREDIÇO / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD				
Cu-Be	Al-Bron			
70382	71278	1"	12"	2300






MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / T-GLEITGRIFF / ASTA CON QUADRO
SCORREVOLO "T" / CABO "T" CORREDIÇO / Т-ОБРАЗНАЯ С ПЛАВАЮЩЕЙ РУЧКОЙ

COD					
Cu-Be	Al-Bron				
73719	73720	1"	400	190	2400



ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENÇÃO / УДЛИНИТЕЛЬ

COD				
Cu-Be	Al-Bron			
70389	71285	1"	4"	400
70390	71286		10"	800






29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEILE / ADATTATORE / PEÇA DE CONEXÃO / АДАПТЕР

COD			
Cu-Be	Al-Bron		
70370	71267	1"-3/4"	600







ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELENK / SNODO CARDANICO / CARDAN UNIVERSAL / КАРДАННОЕ СОЕДИНЕНИЕ

COD				
Cu-Be	Al-Bron			
70374	71271	1"	145	1300






ARTICULACIÓN FLEXIBLE / FLEXIBLE JOINT / ARTICULATION FLEXIBLE / FLEXIBLE VERBINDUNG / ARTICOLAZIONE FLESSIBILE / ARTICULAÇÃO FLEXÍVEL / ГИБКОЕ СОЕДИНЕНИЕ

COD					
Cu-Be	Al-Bron				
72398	72399	1"	120	21	1100



MANGO ARTICULADO / HINGED HANDLE / MANCHE ARTICULÉ / BELENKGRIF / MANICO ARTICOLATO / CABO ARTICULADO / ГИБКАЯ РУКОЯТКА

COD				
Cu-Be	Al-Bron			
72408	72409	1"	315	850



MANGO ACODADO / OFFSET HANDLE / MANCHE CONTRE COUDÉ / BEKRÖPFTE HANDGRIF / DOPPIO MANICO / CABO DESALINHADO / ИЗОГНУТАЯ РУКОЯТКА

COD				
Cu-Be	Al-Bron			
72414	72415	1"	300	1100



EGA Master S.A.
ART IN INNOVATION

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

SET

COD		PCS.	1/2"	10-11-12-14-17-19-22-24mm	Kg.
Cu-Be	Al-Bron				
74263	74264	9	1/2"	10-11-12-14-17-19-22-24mm	1,4

Especificaciones técnicas / Technical specification / Détails techniques	
Mango acodado / Offset handle / Manche contre coudé	230mm



COD		PCS.	1/2"	8-10-11-12-14-17-19-22-24-27mm	Kg.
Cu-Be	Al-Bron				
74265	74266	12	1/2"	8-10-11-12-14-17-19-22-24-27mm	2,3

Especificaciones técnicas / Technical specification / Détails techniques	
Carraca / Ratchet / Cliquet	250mm
Mango articulado / Hinged handle / Manche articulé	230mm



COD		PCS.	1/2"	10-11-12-14-17-19-22-24-27-30-32mm	Kg.
Cu-Be	Al-Bron				
74267	74268	16	1/2"	10-11-12-14-17-19-22-24-27-30-32mm	4,5

Especificaciones técnicas / Technical specification / Détails techniques	
Carraca / Ratchet / Cliquet	250mm
Mango corredizo en T / Sliding T handle / Poignée coulissante	
Berbiquí / Speeder handle / Vilebrequin	390mm
Alargadera / Extension / Rallonge	125-250mm



COD		PCS.	1/2"	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32mm	Kg.
Cu-Be	Al-Bron				
74269	74270	24	1/2"	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32mm	5,5

Especificaciones técnicas / Technical specification / Détails techniques	
Carraca / Ratchet / Cliquet	250mm
Mango corredizo en T / Sliding T handle / Poignée coulissante	
Berbiquí / Speeder handle / Vilebrequin	390mm
Alargadera / Extension / Rallonge	125-250mm
Articulación universal / Universal Joint / Cardan Universel	75mm



COD		PCS.	1/2"	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32mm	Kg.
Cu-Be	Al-Bron				
74271	74272	27	1/2"	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32mm	6,0




Especificaciones técnicas / Technical specification / Détails techniques	
Carraca / Ratchet / Cliquet	250mm
Mango corredizo en T / Sliding T handle / Poignée coulissante	
Berbiquí / Speeder handle / Vilebrequin	390mm
Alargadera / Extension / Rallonge	125-250mm
Articulación universal / Universal Joint / Cardan Universel	75mm
Punta plana con vaso / Flat bit socket / Embout fente á douille	13x2mm



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 / Aluminium Bronze / aluminium brons / aluminio bronz / СПЛАВ АЛЮМИНИЙ БРОНЗА




29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

SET

COD		PCS.			
Cu-Be	Al-Bron				
74273	74274	31	1/2"	8-9-10-11-12-13-14-15-16-17 18-19-20-21-22-23-24-26 27-28-30-32mm	6,5




Especificaciones técnicas / Technical specification / Détails techniques	
Carraca / Ratchet / Cliquet	250mm
Mango corredizo en T / Sliding T handle / Poignée coulissante	390mm
Berbiquí / Speeder handle / Vilebrequin	125-250mm
Alargadera / Extension / Rallonge	75mm
Articulación universal / Universal Joint / Cardan Universel	230mm
Mango acodado / Offset handle / Manche contre coudé	13x2mm
Punta plana con vaso / Flat bit socket / Embout fente á douille	13/16"
Vaso para bujías / Spark plug socket / Douille á bougie	



COD		PCS.			
Cu-Be	Al-Bron				
74275	74276	14	3/4"	21-24-27-30-32-34-36-38 41-46-50mm	8,5




Especificaciones técnicas / Technical specification / Détails techniques	
Carraca / Ratchet / Cliquet	320mm
Mango corredizo en T / Sliding T handle / Poignée coulissante	400mm
Alargadera / Extension / Rallonge	200mm



COD		PCS.			
Cu-Be	Al-Bron				
74277	74278	20	3/4"	21-22-23-24-26-27-28-29-30-31- 32-34-36-38-41-46-50mm	8,5

Especificaciones técnicas / Technical specification / Détails techniques	
Carraca / Ratchet / Cliquet	320mm
Mango corredizo en T / Sliding T handle / Poignée coulissante	400mm
Alargadera / Extension / Rallonge	200mm



COD		PCS.			
Cu-Be	Al-Bron				
74279	74280	18	1"	30-31-32-34-36-38-41-46-50-55- 60-65-70-75-80mm	18

Especificaciones técnicas / Technical specification / Détails techniques	
Mango corredizo en T / Sliding T handle / Poignée coulissante	400mm
Alargadera / Extension / Rallonge	200mm
Articulación flexible / Flexible joint / Articulation universelle	120mm



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LLAVES DE VASO DE IMPACTO / IMPACT SOCKET WRENCHES / DOUILLES À CHOC / IMPACT STECKSCHLÜSSEL EINSÄTZE / BUSSOLA AD IMPULSI / CHAVES DE CAIXA DE IMPACTO / УДАРНАЯ ГОЛОВКА

3/4"

NEW



MM

COD		mm	L mm	gr.
Cu-Be	Al-Bron			
75884	75885	24mm	55	350
75886	75887	27mm		380
75888	75889	30mm	60	500
75890	75891	32mm		550
75892	75893	36mm	65	800
75894	75895	41mm		900
75896	75897	46mm	70	1100
75898	75899	50mm		1100

MM



COD		mm	L mm	gr.
Cu-Be	Al-Bron			
72314	72315	24mm	55	350
72316	72317	27mm		380
72318	72319	30mm	60	500
72320	72321	32mm		550
72322	72323	36mm	65	800
72324	72325	41mm		900
72326	72327	46mm	70	1100
72328	72329	50mm		1100

1"

MM



COD		mm	L mm	gr.
Cu-Be	Al-Bron			
72330	72331	19mm	60	700
72332	72333	21mm		
72334	72335	22mm		
72336	72337	24mm		
72338	72339	26mm	70	850
72340	72341	27mm		
72342	72343	29mm		
72344	72345	30mm		
72346	72347	32mm	80	1200
72348	72349	34mm		
72350	72351	35mm		
72352	72353	36mm		
72354	72355	38mm	90	2000
72356	72357	41mm		
72358	72359	46mm		
72360	72361	50mm		
72362	72363	52mm	1700	1800
72364	72365	55mm		
72366	72367	58mm		
72368	72369	60mm		
72370	72371	65mm	2300	2700
72372	72373	70mm		
72374	72375	75mm		
72376	72377	80mm		

MM

NEW



COD		mm	L mm	gr.
Cu-Be	Al-Bron			
75900	75901	19mm	60	700
75902	75903	21mm		
75904	75905	22mm		
75906	75907	24mm		
75908	75909	26mm	70	850
75910	75911	27mm		
75912	75913	29mm		
75914	75915	30mm		
75916	75917	32mm	80	1200
75918	75919	34mm		
75920	75921	35mm		
75922	75923	36mm		
75924	75925	38mm	90	2000
75926	75927	41mm		
75928	75929	46mm		
75930	75931	50mm		
75932	75933	52mm	1700	1800
75934	75935	55mm		
75936	75937	58mm		
75938	75939	60mm		
75940	75941	65mm	2300	2700
75942	75943	70mm		
75944	75945	75mm		
75946	75947	80mm		

1.3/16"

MM



COD		mm	L mm	gr.
Cu-Be	Al-Bron			
72378	72379	50mm	90	2100
72380	72381	52mm		
72382	72383	55mm		
72384	72385	58mm		
72386	72387	60mm	2400	2600
72388	72389	65mm		
72390	72391	70mm		
72392	72393	75mm		
72394	72395	80mm	3400	3400

MM




NEW



COD		mm	L mm	gr.
Cu-Be	Al-Bron			
75948	75949	50mm	90	2100
75950	75951	52mm		
75952	75953	55mm		
75954	75955	58mm		
75956	75957	60mm	2400	2600
75958	75959	65mm		
75960	75961	70mm		
75962	75963	75mm		
75964	75965	80mm	3400	3400

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ



PASADOR DE SEGURIDAD / SAFETY PIN / GOUPILLE DE SECURITE / SICHERUNGSSTIFT / COPPIGLIA / PINO DE SEGURANÇA
ФИКСИРУЮЩИЙ ПАЛЕЦ

COD				Ø x L(mm)	
Cu-Be	Al-Bron				
73621	73622	3-4"		24-30mm	10
73623	73624			32-50mm	
73625	73626	1"		19-41mm	15
73627	73628			46-80mm	
73629	73630	1.3/16"		50-80mm	25






LLAVES ESPECIALES / SPECIAL WRENCHES / CLÉS SPÉCIALES / SPEZIELL ZANGEN
CHIAVE SPECIALE / CHAVES ESPECIAIS / СПЕЦИАЛЬНЫЕ КЛЮЧИ

LLAVE EN "C" / C WRENCH / CLÉ EN C / C SCHLÜSSEL / CHIAVE A C / CHAVE EM C / С-ОБРАЗНЫЙ КЛЮЧ

COD				
Cu-Be	Al-Bron			
72418	72419	450	40	1100


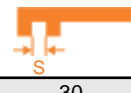



LLAVE EN "C" DOBLE / DOUBLE C WRENCH / CLÉ EN DOUBLE C / DOPPEL C SCHLÜSSEL / CHIAVE DOPPIA A C / CHAVE EM C
DUPLA / ДВОЙНОЙ С-ОБРАЗНЫЙ КЛЮЧ

COD				
Cu-Be	Al-Bron			
72420	72421	200	20 15	380





BANCHO GIRADOR DE VÁLVULAS / VALVE WHEEL HOOK / FIXATION GIRATOIRE DE VALVE / VENTILHAKEN
GANCIO GIREVOLE PER VALVOLE / BANCHIO DE RODA VÁLVULAS / КЛЮЧ ДЛЯ ОТКРЫТИЯ КЛАПАНОВ

COD				
Cu-Be	Al-Bron			
72422	72423	200	30	250
72424	72425	300	32	500
72426	72427	250	35	350
72428	72429	300	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 SPANNER / CLÉ POUR LONGUES VALVES / LANGER VENTIL-SCHLÜSSEL / CHAVE
LARGA PER VALVOLE / CHAVE DE VALVULA LONGA / КЛЮЧ ДЛЯ ОТКРЫТИЯ КЛАПАНОВ ДЛИННЫЙ

COD		Øx	Øy		
Cu-Be	Al-Bron				
71432	71435	3-7"	18mm	210	400
71433	71436	8-15"	24mm	400	900
71434	71437	16-20"	30mm	490	1400
71441	71445			800	6400



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ**LLAVE TAPONADORA / BUNG WRENCH / CLÉ OUVRE-BIDONS / PFROPFEN-SCHLÜSSEL / CHIAVE APRIFUSTI
CHAVE ABRE VIDÕES / ОТКРЫВАТЕЛЬ ПРОБОК

COD		L mm	gr.
Cu-Be	Al-Bron		
71446	71447	300	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 МУТН

COD		L mm	gr.
Cu-Be	Al-Bron		
72452	72453	385	1200



ABREBIDONES / DRUM OPENER / OUVRES BIDONS / FASSÖFFNER / APRITIOIO A TAMBURO / ABRE VIDONS / ОТКРЫВАТЕЛЬ БОЧЕК

COD		L mm	Kg.	1
Cu-Be	Al-Bron			
74282	-	485	3,2	1

ABRIDOR DE TONELES DE CARBURO / CARBIDE DRUM OPENER / OUVREUR DE BIDON DE CARBURE / KARBID FASSÖFFNER
APRITIOIO A TAMBURO DEL CARBURO / CHAVE DE CARBURO PARA ABRIR TAMBORES / ОТКРЫВАТЕЛЬ БОЧЕК С КАРБИДОМ

COD		L mm	gr.
Cu-Be	Al-Bron		
72169	72170	280	650

LLAVE DE GANCHO / HOOK SPANNER / CLÉ D'ACCROCHE / ECKZANGE / CHIAVE A SETTORE / CHAVE DE GANCHO
КЛЮЧ КРЮК

COD		CAP	L mm	gr.
Cu-Be	Al-Bron			
71392	71409	12 - 14	105	40
71393	71410	16 - 20	110	50
71394	71411	25 - 28	130	80
71395	71412	30 - 32	170	100
71396	71413	34 - 36		150
71397	71414	40 - 42		200
71398	71415	45 - 50	200	200
71399	71416	52 - 55	230	700
71400	71417	58 - 62		
71401	71418	68 - 75	250	500
71402	71419	80 - 90	280	600
71403	71420	90 - 100	300	800
71404	71421	95 - 100	310	
71405	71422	100 - 110	330	900
71406	71423	110 - 115		
71407	71424	120 - 130	340	
71408	71425	135 - 145	350	

LLAVE DE GANCHO ARTICULADA / ADJUSTABLE HOOK SPANNER / CLÉ D'ACCROCHE ARTICULEE / ZANGE MIT VERSTELLBARE
BACKE / CHIAVE A SETTORE REGOLABILE / CHAVE DE GANCHO ARTICULADA / РЕГУЛИРУЕМЫЙ КЛЮЧ КРЮК

COD		CAP	L mm	gr.
Cu-Be	Al-Bron			
71426	71429	32-75	210	200
71427	71430	50-120	280	500
71428	71431	115-170	310	



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 / Aluminium Bronze / aluminium brons / aluminio bronz / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

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

Cu-Be	COD		← L →		Kg.
	Al-Bron				
70121	71458		8"	1"	0,3
70122	71459		10"	1.1/2"	0,8
70123	71460		12"	2"	1,3
70124	71461		14"	2"	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 SUECA 45° / SWEDISH PIPE WRENCH 45° / SERRE-TUBES SUEDOISE 45° / EKROHRZANGE 45°
GIRATUBI MOD. SUEDESE 45° / CHAVE SUECA 45° / ШВЕДСКИЙ КЛЮЧ S 45°

Cu-Be	COD			← L →	Kg.
	Al-Bron				
70129	71466		1.1/2"	420	1,4
70130	71467		2"	550	2,5



LLAVE SPUD / SPUD PIPE WRENCH / CLÉ SPUD / VERSTELLBARE ROHRZANGE / GIRATUBI MODELLO SPUD
CHAVE PARA TUBO SPUD / ТРУБНЫЙ КЛЮЧ С ПАРАЛЛЕЛЬНЫМИ ГУБКАМИ

Cu-Be	COD		← L →		Kg.
	Al-Bron				
71822	71823		12"	58mm	1,2



LLAVE DE CORREA / STRAP WRENCH / CLÉ À SANGLE / GURTRÖHRZANGE / GIRATUBI A NASTRO / CHAVE DE CORREIA
РЕМШКОВЫЙ КЛЮЧ

Cu-Be	COD		← L → mm		Kg.
	Al-Bron				
73906	73907		300	3"	800



LLAVE DE CADENA / CHAIN PIPE WRENCH / CLÉ À CHAÎNE / KETTEN-ROHRZANGE / CHIAVE DE CATENA / CHAVE CORRENTE
ЦЕПНОЙ КЛЮЧ

Cu-Be	COD			← L →	Kg.
	Al-Bron				
72976	72977		4"	600	3,8
72978	72979		6"	600	4,2
72980	72981		8"	900	8,5
72982	72983		12"	900	9,5



Cu-Be	COD			← L →	Kg.
	Al-Bron				
70131	71468		2"	600	2,2
70132	71469		4"	600	2,8
70133	71470		6"	600	3,5



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА




29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

CORTATUBOS DE ACERO / STEEL PIPE CUTTER / COUPE-TUBES ACIER / ROHRABSCHNEIDER / TAGLIATUBI PER FERRO
CORTA TUBOS AÇO / ТРУБОРЕЗ ДЛЯ СТАЛИ

COD					
Cu-Be	Al-Bron		L mm	H mm	Kg.
70134	71471	2"	380	60	2,4





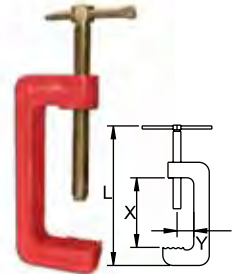
TORNILLO DE BANCO PARALELO / PARALLEL BENCH VICE / ETAU À MORS PARALLELES / PARALLELSCHRAUBSTÖCKE
MORSA DA BANCO PARALLELA / TORNO DE BANCADA PARALELO / СЛЕСАРНЫЕ ТИСКИ

COD				
Cu-Be	Al-Bron			Kg.
70482	71636	4"	100	15
70483	71637	5"	140	18
70486	72191	6"	200	20
70487	72192	7"		25




PRENSA / CLAMP / PRESSE / KNEBEL / MORSETTO / PRENSA / СТРУБЦИНА

COD			X	Y	
Cu-Be	Al-Bron	L mm			gr.
72478	72479	210	60	36	1200
72480	72481	250	80		1400
72482	72483	290	100	50	1600
72484	72485	340	150		2000
73418	73425	400	250		4900







SARGENTOS / CLAMPS / SERRE-JOINTS / ZWINGEN / MORSETTI SERRAGIUNTI / GRAMPDS / СТРУБЦИНЫ
MOD. F

COD		CAP (mm)	
Cu-Be	Al-Bron		gr.
74250	74251	400	2200



DESTORNILLADORES / SCREWDRIVERS / TOURNEVIS / SCHRAUBENDREHER
CACCIAVITI / CHAVES DE FENDA / ОТВЕРТКИ





MECÁNICO / SLOTTED / MECANICIEN / WERSTATT / PER MECCANICI / MECÁNICO / ПЛОСКАЯ

COD						
Cu-Be	Al-Bron				gr.	
72258	72279	50	3	80	35	
72259	72280		4,5		43	
72260	72281		3		35	
72261	72282	75	4	103	45	
72262	72283		5		70	
72263	72284		4		45	
72264	72285	100	5	103	75	
72265	72286				85	
72266	72287		6		100	
72267	72288	125	7	112	110	
72268	72289				125	125
72269	72290				140	140
72270	72291	200	8	112	165	
72271	72292	250			185	
72272	72293	200			260	
72273	72294	300	10	112	230	
72274	72295	250			240	
72275	72296	300			290	
72276	72297	350	11	150	320	
72277	72298	400	12		400	
72278	72299	450	13		480	







29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ





ELECTRICISTA / ELECTRICIAN / ELEKTRIKER / PER ELETTRICISTI / ELECTRICISTA / ЭЛЕКТРИЧЕСКАЯ

COD					
Cu-Be	Al-Bron				
71581	71588	50	3		50
71582	71589	100	4	75	70
71583	71590	150			80
72306	72308	100	5		100
72307	72309	200			200
71584	71591	100	6	95	100
71585	71592	150	8	105	200
71586	71593	200	10		300
71587	71594	300			







COD					
Cu-Be	Al-Bron				
72909	72910	PH-0	60	75	40
71595	71599	PH-1	80	95	50
71596	71600	PH-2	100		70
71597	71601	PH-3	150	105	80
71598	71602	PH-4	200		100







COD					
Cu-Be	Al-Bron				
74336	74337	PZ-0	50	82	35
74347	74348	PZ-1	75	112	40
72247	72246	PZ-2	100		80
72249	72248	PZ-3	150	105	135
74365	74366	PZ-4	200		210






COD					
Cu-Be	Al-Bron				
74367	74368	T 25	100	95	100



COD					
Cu-Be	Al-Bron				
74349	74350	TT 25	100	95	100



DE VASO HEXAGONAL / HEXAGONAL SOCKET / DOUILLE HEXAGONALE / SCHRAUBENDREHER EINSATZ HEX
BUSSOLE ESAGONALI / CHAVE DE CAIXA HEXAGONAL / ШЕСТИГРАННАЯ ГОЛОВКА

COD					
Cu-Be	Al-Bron	HEX			
73879	73880	6	90	100	85
73881	73882	8	100	110	100
73883	73884	10	110		140
73885	73886	13	120	120	180
73887	73888	16			220
73889	73890	17			230



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

SETS



NEW

COD Cu.Be: 76465
COD Al.Bron: 76466

6 PCS.

PCS.	Cu-Be	Al-Bron		
1	72258	72279	3x50	⓪
	72263	72284	4x100	
	72264	72285	5x100	
	72269	72290	8x150	⊕
	71595	71599	PH-1	
	71596	71600	PH-2	

COD Cu.Be: 76467
COD Al.Bron: 76468

6 PCS.

PCS.	Cu-Be	Al-Bron		
1	71581	71588	3x50	⓪
	71582	71589	4x100	
	72306	72308	5x100	
	71585	71592	8x150	⊕
	71595	71599	PH-1	
	71596	71600	PH-2	

COD Cu.Be: 76469
COD Al.Bron: 76470

8 PCS.


PCS.	Cu-Be	Al-Bron		
1	72258	72279	3x50	⓪
	72263	72284	4x100	
	72264	72285	5x100	
	72265	72286	6x100	⊕
	71595	71599	PH-1	
	71596	71600	PH-2	
	74347	74348	PZ-1	⊕
	72247	72246	PZ-2	

COD Cu.Be: 76471
COD Al.Bron: 76472

8 PCS.

PCS.	Cu-Be	Al-Bron		
1	71581	71588	3x50	⓪
	71582	71589	4x100	
	72306	72308	5x100	
	71584	71591	6x100	⊕
	71595	71599	PH-1	
	71596	71600	PH-2	
	74347	74348	PZ-1	⊕
	72247	72246	PZ-2	

DESTORNILLADOR ACODADO / OFFSET SCREWDRIVER / TOURNEVIS CONTRE COUDÉ / BEKRÖPFTE SCHRAUBENDREHER
CACCIAVITE DOPPIO / CHAVE DE FENDAS EM ÂNGULO / ИЗОГНУТАЯ ОТВЕРТКА

COD		L mm		gr.
Cu-Be	Al-Bron			
72462	72463	72	6	25
72464	72465	125	8	50
72466	72467	195	10	125



1000V

COD			gr.
Cu-Be	Al-Bron		
72225	72224	⊕ PH-0	50
72227	72226	⓪ 4X100	60

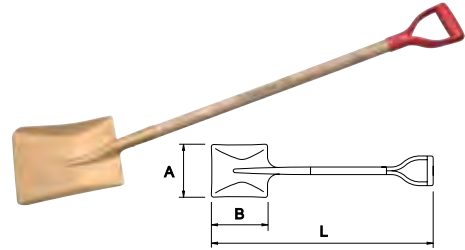
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29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

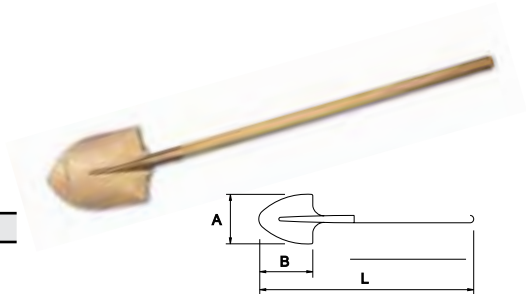
PALAS Y RASTRILLOS / SHOVELS AND RAKES / PELLES ET RACLETTES / SCHAUFEL UND RECHEN / PALE E RASTRELLI / PÁS E ANSINHOS / ЛОПАТЫ И ГРАБЛИ

COD		L mm	A mm	B mm	gr.
Cu-Be	Al-Bron				
71615	71616	1350	240	290	1500



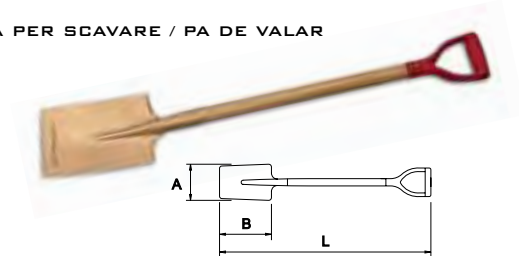
PALA PUNTA / ROUND POINT SHOVEL / PELLE EN POINTE / SCHWANENHALSSCHAUFEL / PALA A PUNTA TONDA / PA DE VICO / САДОВАЯ ЛОПАТА

COD		L mm	A mm	B mm	gr.
Cu-Be	Al-Bron				
71617	71618	1350	240	290	1500



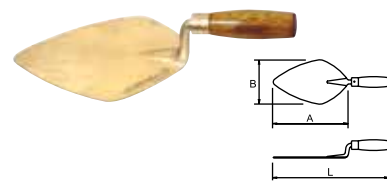
PALA DE CAVAR / EDING SPADE / PELLE BÊCHE / SCHAUFEL VIERECKING / PALA PER SCAVARE / PA DE VALAR / СОВКОВАЯ ЛОПАТА

COD		L mm	A mm	B mm	gr.
Cu-Be	Al-Bron				
71619	71620	1120	180	280	1500



PALETA / BRICKLAYER / SPATULE / MAUERKELLE / PALETTA / COLHER / МАСТЕРОК

COD		L mm	A mm	B mm	gr.
Cu-Be	Al-Bron				
73772	73773	335	210	130	650



AZADA / HOE / PELLE / HAUE / ZAPPA / ENXADA / МОТЫГА

COD		L mm	gr.
Cu-Be	Al-Bron		
74253	74254	130x130	1000
74255	74256	200x200	1600



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		L mm	gr.
Cu-Be	Al-Bron		
74231	74232	200	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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****HORQUILLA 4 PUNTAS / 4 PRONG FORK / FOURCHE À QUATRE POINTES / SPATENGABEL MIT 4 ZINKEN / FORÇA A 4 PUNTE
FORQUILHA 4 PONTAS / 4-ЗУБЬЕВЫЕ ВИЛЫ**

COD		L mm	gr.
Cu-Be	Al-Bron		
74234	74235	320	2000

**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		L mm	gr.
Cu-Be	Al-Bron		
74237	74238	100x350	900

**RASTRILLO / RAKE / RACLETTE / RECHEN / RASTRELLO / ANSINHO / СКРЕБОК**

COD		L mm	gr.
Cu-Be	Al-Bron		
74258	74259	350x100	1300
74260	74261	450x120	1500

**CORTE / CUTTING / OUTILS COUPANTS / SCHNEIDWERKZEUG / ARCHETTI / CORTE / РЕЗКА****CORTAVARILLAS / BOLT CUTTERS / COUPE-BOULONS / BOLZENSCHNEIDER / TAGLIABULLONI / CORTA VARAO / АРМАТУРНЫЕ
НОЖНИЦЫ**

COD		L	gr.
Cu-Be	Al-Bron		
73415	73423	24"	3000

**CIZALLA DE PASO LIBRE A LA DERECHA / RIGTH CUT NIPPER SHEAR / CISAILLE À PASSAGE DROIT LIBRE
SCHNEIDSCHERE RECHTS / CESCOIA TAGLIO DESTRO / TESOURA DE PASSAGEM LIVRE A DIREITA / НОЖНИЦЫ ПРАВОЙ РЕЗКИ**

COD		L mm	gr.
Cu-Be	Al-Bron		
70528	70545	275	600

**TIJERAS / SCISSORS / CISEAUX / SCHERE / CESCOIE / TESORA / НОЖНИЦЫ**

COD		L mm	gr.
Cu-Be	Al-Bron		
70529	70546	225	300



COD		L mm	gr.
Cu-Be	Al-Bron		
72460	72461	150	90



COD		L mm	gr.
Cu-Be	Al-Bron		
73892	73893	290	220
73894	73895	360	850



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

TIJERAS DE HOJALATERO / TIN SNIPS / CISEAUX DE TOLIER / BLECHSCHEREN / CESCOIA PER LATTONIERI / TESOURAS DE CHAPA / НОЖИЦЫ ПО ЖЕСТИ

COD		L mm	gr.
Cu-Be	Al-Bron		
72458	72459	300	450



ARCO DE SIERRA / HACK SAW / MONTURE DE SCIE À METAUX / METALLSÄGEN GEBOGEN / ARCHETTI / ARCO DE SERRA
НОЖОВКА

COD		L mm	gr.
Cu-Be	Al-Bron		
72220	72221	500	600



HOJAS PARA ARCO DE SIERRA / HACKSAW BLADES / LAMES DE SCIES / METALLSÄGEBLÄTTER / LAME PER ARCHETTI
FOLHA DE SERRA / ПОЛОТНА ДЛЯ НОЖОВКИ

COD		L mm	gr.
Cu-Be			
72223		300	600



SIERRA MANUAL / HANDSAW / SCIE À MAIN / HANDSÄGE / ARCO MANUALE / SERROTE MANUAL / НОЖОВКА

COD		L mm	gr.
Cu-Be	Al-Bron		
72468	72469	370	125



SERRUCHO / HANDSAW / SCIE ÉGOÏNE / HANDSÄGE / SEGNETTO / SERROTE / НОЖОВКА

COD		L mm	gr.
Cu-Be	Al-Bron		
74228	74229	700	550



CUCHILLOS / KNIVES / COUTEAUX / MESSER / COLTELLI / FACAS / НОЖИ

COD		L mm	gr.
Cu-Be	Al-Bron		
71611	71612	30x200	70



COD		L mm	gr.
Cu-Be	Al-Bron		
71613	71614	250	90



NAVAJA DE ELECTRICISTA / ELECTRICIAN KNIFE / COUTEAU ELECTRICIEN / ELEKTRIKER MESSER / COLTELLO PER
ELETTRICISTI / NAVALHA DE ELECTRICISTA / НОЖИ ДЛЯ ЭЛЕКТРИКА

COD		L mm	gr.
Cu-Be	Al-Bron		
73741	73742	70x180	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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

LIMAS / FILES / LIMES / FEILEN / LIMA / LIMAS / НАПИЛЬНИКИ

LIMA PLANA / HAND FILE / LIME PLATE / HANDFEILE / LIMA PIATTA / LIMA PARALELA / РУЧНОЙ НАПИЛЬНИК



COD	L mm	A	B	gr.
71607	200	20	6	350
71608	300	31	8	750
72237	500	41	12	1800

LIMAS MEDIA CAÑA / HALF ROUND FILES / LIMES DEMI-RONDES / HALBRUND FEILEN / LIMA MEZZATONDA / LIMAS MEIA CANA / ПОЛУКОУГОЛЬНЫЙ НАПИЛЬНИК



COD	L mm	A	B	gr.
71603	200	19	10	450

LIMA REDONDA / ROUND FILE / LIME RONDE / RUND FEILE / LIME TONDE / LIMATÃO REDONDO / КРУГЛЫЙ НАПИЛЬНИК



COD	L mm	ØA	gr.
71605	200	9	450

La más galardonada
The most awarded
La plus primeé



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

MISCELÁNEA / MISCELLANEOUS / MELANGEE / VERSCHIEDENE / MISCELLANEA / MISTURA / РАЗНОЕ

CINCEL / FLAT CHISEL / CISEAU / MAURERMEISSEL / SCALPELLI / ESCOPRO / ПЛОСКОЕ ЗУБИЛО

COD			
Cu-Be	Al-Bron		
70447	71509	150x22	300
70448	71510	200x22	400
70449	71511	250x24	600
70450	71512	300x25	800
70451	71513	400x27	1000



CINCEL EN PUNTA / CROSS CUTTING CHISEL / BROCHE / DURCHSCHLAGMEISSEL / SCALPELLI A PUNTA / PONTEIRO / ВЫРУБНОЕ ЗУБИЛО

COD			
Cu-Be	Al-Bron		
73778	73779	140	270
73780	73781	200	450
73782	73783	300	800



CORTAFRÍOS CILÍNDRICO / CYLINDRICAL CHISEL / BÉDANE CYLINDRIQUE / ZYLINDRISCHE MEISSEL / SCALPELLO CILINDRICO
TAGLIO A FREDDO / ESCOPRO CILINDRICO / ЦИЛИНДРИЧЕСКОЕ ЗУБИЛО

COD			Ø (mm)	
Cu-Be	Al-Bron			
73788	73789	14x160	14	175
73790	73791	16x160	16	230
73792	73793	18x160	18	280
73794	73795	18x200	18	370
73796	73797	20x200	20	470
73798	73799	24x250	24	800
73800	73801	24x300	24	1000
73802	73803	25x300	25	1250
73804	73805	25x400	25	1400
73806	73807	25x500	25	1800
73808	73809	30x500	30	2650



CORTAFRÍOS HEXAGONAL / HEXAGONAL CHISEL / BÉDANE HÉXAGONALE / HEX MEISSEL / SCALPELLO ESAGONALE
TAGLIO A FREDDO / ESCOPRO HEXAGONAL / ШЕСТИГРАННОЕ ЗУБИЛО

COD				
Cu-Be	Al-Bron			
73811	73812	12x150	10	100
73813	73814	16x200	14	250
73815	73816	18x160	16	260
73817	73818	16x250	14	320
73819	73820	19x300	17	700
73821	73822	19x350	17	900
73823	73824	24x600	22	1800
73825	73826	28x300	25	1100
73827	73828	35x500	30	2700





GRANETE / CENTRE PUNCH / CHASSE-CLOUS / KÖRNER / PUNTE DA CENTRO / PUNÇÃO DE BICO / МЕТЧИК

COD			
Cu-Be	Al-Bron		
71514	71516	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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****BOTADOR / DRIFT PIN BARREL & STRAIGHT / CHASSE RIVETS / DURCHSCHLÄGER / PUNZONE / PUNÇAO / ВЫКОЛОТКИ ПРЯМЫЕ И БОЧКООБРАЗНЫЕ**

COD		mm		
Cu-Be	Al-Bron			
70426	71472	2mm	150x10	60
70427	71473	3mm		
70428	71474	4mm		
70429	71475	5mm		
70430	71476	6mm		
70431	71477	7mm	150x12	70
70432	71478	8mm		
70433	71479	9mm		
70434	71480	10mm	150x14	200
70435	71481	11mm		
70436	71482	12mm	150x16	300
70437	71483	13mm		
70438	71484	14mm	200x20	400
70439	71485	15mm		
70440	71486	16mm	200x22	500
70441	71487	17mm		
70442	71488	18mm	250x24	800
70443	71489	19mm		
70444	71490	20mm	250x26	900
70445	71491	21mm		
70446	71492	22mm		
inch.				
73583	73572	7/8"	250x26	950
73584	73573	1"		
73585	73574	1.1/8"		
73586	73575	1.1/4"		
73587	73576	1.3/8"		
73588	73577	1.1/2"		
73589	73578	1.5/8"		1000
73590	73579	1.3/4"		
73591	73580	1.7/8"		

**BOTADOR / PIN PUNCH / CHASSE-GOUPILLES / DURCHSCHLÄGER / PUNTE / PUNÇAO / ЦИЛИНДРИЧЕСКИЙ ПРОБОЙНИК**

COD		mm		
Cu-Be	Al-Bron			
71518	71527	1,4mm	110	50
71519	71528	1,8mm		
71520	71529	2,4mm		
71521	71530	2,8mm		
71522	71531	3mm		
71523	71532	4mm	120	60
71524	71533	5mm	130	
71525	71534	6mm	140	
71526	71535	8mm	150	

**PUNTERO / DIAMOND POINT CHISEL / BURIN / KÖRNER / PUNTE / PUNÇAO / ПРОБОЙНИК С АЛМАЗНЫМ НАКОНЕЧНИКОМ**

COD		mm		
Cu-Be	Al-Bron			
71544	71548	200mm	16	300
71545	71549	250mm	17	500
71546	71550	300mm	19	600
71547	71551	400mm	20	1000

**PUNTERO ESPECIAL / CAULKING TOOL / BURIN SPECIAL / KÖRNER LANG / PUNTE SPECIALI / PUNÇAO ESPECIAL
МОНТИРОВКА**

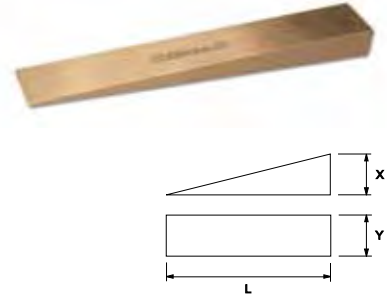
COD		mm	
Cu-Be	Al-Bron		
71552	71557	1000-32mm	6,5
71553	71558	1200-36mm	9,5
71554	71559	1500-36mm	13
71555	71560	1000-50mm	16
71556	71561	1200-50mm	18



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

CUÑA / WEDGE / COIN / KEIL / CUNEO / CUNHA / КЛИН

COD		L mm	y mm	x mm	gr.
Cu-Be	Al-Bron				
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	180	40	8-0	200
70457	71498		50	13-0	400
70458	71499	200	13	6-0	300
70459	71500		32	13-0	700
70460	71501	230	50	19-0	500
70461	71502		20	30-0	800
70462	71503	250	30	40-0	1300
70463	71504		40	12-0	500
70464	71505	250	50	20-0	800
70465	71506		40	30-0	1300
70466	71507	300	50	40-0	2500
70467	71508				



PALANCA / PINCHBAR / PINCE À TALON / BRECHSTANGE / LEVA / AVALANCA / МОНИТРОВКА

COD		L mm	Kg.
Cu-Be	Al-Bron		
70468	71570	19x500	1,3
70469	71571	23x800	2,9
70470	71572	28x1000	4,5



BARRA DE DESENCOFRAR / WRECKING BAR / PINCE MONSIEUR / BRECHEISEN / APRICASSE CON LEVA CHIODI
PE DE CABRA / КРИОК

COD		L mm	Kg.
Cu-Be	Al-Bron		
71573	71577	16x460	1,3
71574	71578	19x600	2,4
71575	71579	19x750	3,0
71576	71580	19x900	3,3

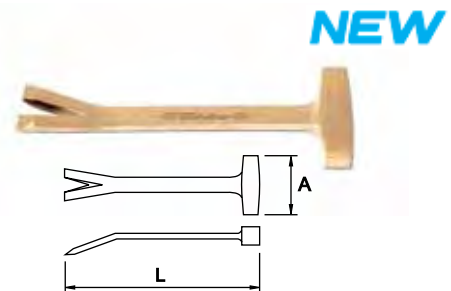


PALANCA / PINCHBAR / PINCE À TALON / BRECHSTANGE / LEVA / AVALANCA / МОНИТРОВКА

COD		L mm	Ø (mm)	Kg.
Cu-Be	Al-Bron			
73833	73834	500	15	0,7
73835	73836		19	1,0
73837	73838		20	1,2
73839	73840		25	1,8
73841	73842	600	30	2,7
73843	73844		25	2,2
73845	73846		30	3,3
73847	73848	800	23	2,1
73849	73850		25	3,0
73851	73852	850	30	4,5
73853	73854		25	3,8
73855	73856	1000	28	4,5
73857	73858		30	5,5
73861	73862	1200	25	4,5
73863	73864		30	6,5
73865	73866	1500	30	8,5



COD		L mm	A(mm)	Kg.
Cu-Be	Al-Bron			
76545	76546	230	70	0,45

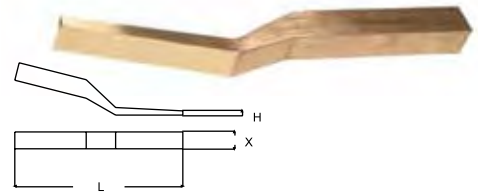


Cu-Be cobre berilio / beryllium copper / cuivre beryllium / Kupfer Beryllium / koper beryllium / rame-berillio / СПЛАВ МЕДЬ БЕРИЛЛИЙ
Al-Bron aluminio bronce / aluminium bronze / alliage aluminium-bronze / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

HERRAMIENTA DE REMATAR / CAULKING TOOL / CLÉ DE FINITION / ABDICHTEN-WERKZEUG / UTENSILI DA SVENDERE /
FERRAMENTA DE CALAFETAR / МОНТИРОВКА

COD		L mm	X	H	gr.
Cu-Be	Al-Bron				
72601	72602	200	20	5	450
72603	72604	250		8	600



BARRA DE REMATAR / CAULKING TOOL / PINCE DE MONTEUR / STEMMWERKZEUG / BARRA SENZAFINE / PE DE CALAFETAR
МОНТИРОВКА

COD		L mm	Kg.
Cu-Be	Al-Bron		
73830	73831	1200	16

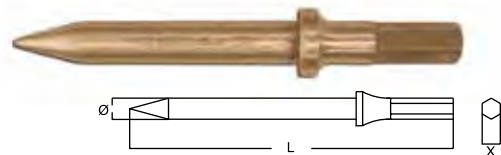


CINCELES NEUMÁTICOS / PNEUMATIC CHISELS / BURINS PNEUMATIQUES / PNEUMATISCHE MEISSEL
SCALPELLO PNEUMATICO / ESCOPROS PNEUMÁTICOS / ПНЕВМО ДОЛОТА

COD		X	Y	Z	gr.
Cu-Be	Al-Bron				
72583	72584	28	150	350	3200



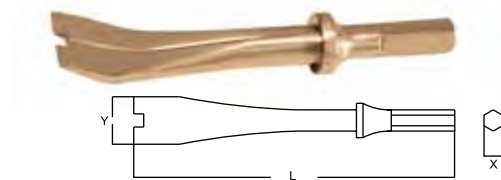
COD		X	L mm	Ø	gr.
Cu-Be	Al-Bron				
72585	72586	10	125	12	120
72587	72588		175		170



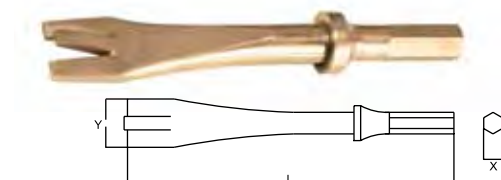
COD		X	L mm	Y	gr.
Cu-Be	Al-Bron				
72589	72590	10	125	20	150
72591	72592		175		190



COD		X	L mm	Y	gr.
Cu-Be	Al-Bron				
72593	72594	10	125	20	150
72595	72596		175		190



COD		X	L mm	Y	gr.
Cu-Be	Al-Bron				
72597	72598	10	125	20	150
72599	72600		175		190



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

TRAZADOR / MARKING TOOL / TRACEUR / MARKIERUNGSWERKZEUG / TRACCIATORE / TRAÇADOR / МАРКИРОВЩИКИ

COD		L mm	Ø (mm)	gr.
Cu-Be	Al-Bron			
74217	74218	400	12	500
74219	74220	600	16	1000



COD		L mm	Ø (mm)	gr.
Cu-Be	Al-Bron			
72216	72217	190	4	15
74222	74223	250	4	20



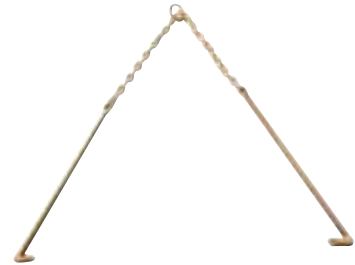
PUNZÓN / AWL / POINTEAU / AHLE / PUNZONI / PUNÇÃO / ШИЛО

COD		L mm	Ø (mm)	gr.
Cu-Be	Al-Bron			
74225	74226	100x200	3	50



GANCHOS AJUSTABLES PARA BIDONES / ADJUSTABLE BARREL HOOKS / CROCHETS AJUSTABLES POUR BIDONS
VERSTELBARE FASSHAKEN / GANCIO REGOLABILE PER BIDONI / GANCHOS AJUSTÁVEIS PARA BIDONS /
КРЮК ДЛЯ БОЧЕК РЕГУЛИРУЕМЫЙ

COD		Ø MAX (mm)	CAP (Kg)	gr.
Cu-Be	Al-Bron			
74247	74248	1060	700	3200



RASQUETA / LONG BLADE SCRAPER / LONGUE LAME / FLACHSCHABER / RASCHIETTO / RASCADOR / ШИРОКАЯ ЛОПАТКА

COD		mm	Kg.
Cu-Be	Al-Bron		
71562	71566	60x185	1,2
71563	71567	100x225	1,5
71564	71568	150x180	2,6
71565	71569	125x225	



ESPÁTULA / SCRAPER / SPATULE / SPACHTEL / SPATOLA / ESPATULA / СКРЕБОК



COD		L mm	gr.
Cu-Be	Al-Bron		
70471	71621	25x200	50
70472	71622	30x200	60
70473	71623	40x200	
70474	71624	50x200	80
70475	71625	60x200	90
70476	71626	75x200	100
70477	71627	80x200	
70478	71628	100x200	130





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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ


RASPADOR / SCRAPER / RACLOIR / SCHABER / RASCHIETTO / RASPADOR / СКРЕБОК

COD			
Cu-Be	Al-Bron		
73759	73760	95x480	650





COD			
Cu-Be	Al-Bron		
72155	72156	50x900	650





COD			
Cu-Be	Al-Bron		
73744	73745	50x900	650





COD			
Cu-Be	Al-Bron		
73750	73751	50x695	900
73752	73753	75x710	1100
73754	73755	100x710	1200
73756	73757	150x750	2000





COD			
Cu-Be	Al-Bron		
72167	72168	40x270	350





COD			
Cu-Be	Al-Bron		
73747	73749	48x300	400



COD			
Cu-Be	Al-Bron		
73762	73763	75x600	650





RASPADOR CURVO / ARCHED SCRAPER / GRATTOIR COURBÉ / SPACHTEL FÜR GEBOGEN FLÄCHEN / RASPE CURVE
RASPADOR CURVO / ИЗОГНУТЫЙ СКРЕБОК

COD			
Cu-Be	Al-Bron		
73765	73766	50x190	400
73767	73768	100x210	650
73769	73770	150x220	800






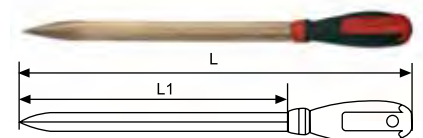
RASPADOR PLANO / FLAT SCRAPER / RACLOIR PLATTE / FLACHSCHABER / RASCHIETTO PIATTO / RASPADOR PLANO
ПЛОСКИЙ СКРЕБОК



COD			
Cu-Be	Al-Bron		
72157	72162	30x200	300
72158	72163	30x300	425
72159	72164	35x350	550
72160	72165	50x350	900
72161	72166	60x400	1400



RASQUETA TRIANGULAR / TRIANGULAR SCRAPER / RACLOIR TRIANGULAIRE / DREIECKIGER SPACHTEL / RASCHIETTO TRIANGOLARE / RASCADOR TRIANGULAR / ТРЕУГОЛЬНЫЙ СКРЕБОК

COD				
Cu-Be	Al-Bron			
73422	73399	360	255	250



COD			
Cu-Be	Al-Bron		
73775	73776	150x470	1000



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

PICO Y RASQUETA / SCRAPER PICK AND SCALER / PIQUE ET RACLETTE / REINIGUNGSWERKZEUG / PICCONE E RASCHIETTI
ВІСО Е РА́ / СКАЛЫВАЮЩИЙ СКРЕБОК

COD		L mm	gr.
Cu-Be	Al-Bron		
73785	73786	75x450	1200



CUBO / BUCKET / CUBE / EIMER / SECCHIO / BALDE / ВЕДРО

COD	Cu-Be	Ø	L mm	gr.
72486		270	250	1500



CUCHARA RECOGEDORA DE AZÚCAR / SUGAR SCOOP / CUILLÈRE À SUCRE / SCHÖPFSCHAUFEL /
RACCOGLITORE DI ZUCCHERI / COLHER PARA AÇUCAR / КОВИШ

COD	Cu-Be	L mm	Ø1(mm)	Ø2(mm)	gr.
72487		150	45	70	100
72488		200	75	120	250
72489		270	80	140	350
74620		350	90	160	600



RECOGEDOR / DUSTPAN / PELLE / HANDSCHAUFEL / RACCOGLITORE / RECIPIENTE / COBOK

COD	Cu-Be	L mm	B mm	H mm	gr.
74621		150	130	20	130
74622		200	200	50	335
74623		270	250	60	650
72490		350	320	60	1000



AGUJA / NEEDLE / AIGUILLE / NADEL / AGO / AGULHA / ИГЛА

COD		L mm	Ø (mm)	gr.
Cu-Be	Al-Bron			
73868	73869	250	6	80
73870	73871	300	8	150
73872	73873	400	7	160
73874	73875	500	10	320



COD	Cu-Be	Al-Bron	L mm	Ø (mm)	gr.
73877		-	180	3	12



EMBUDO / FUNNEL / ENTONNOIR / TRICHTER / IMBUTO / FUNIL / ВОРОНКА

COD		Ø MAX (mm)	L mm	gr.
Cu-Be	Al-Bron			
74240	-	130	230	230
74241	-	160	150	250



BOMBA MANUAL DE ADEITE / PORTABLE OIL PUMP / BURETTE À HUILE / TRAGBARE ÖLPUMPE / POMPA DELL'OLIO MANULE
BOMBA MANUAL PARA ÓLEO / ПЕРЕНОСНОЙ МАСЛЯНЫЙ НАСОС

COD		Ø (mm)	L mm	gr.
Cu-Be	Al-Bron			
74243	-	165	1100	2300



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

CAZO / DIPPER / LOUCHE / TRICHTER KANNE / RECIPIENTE / CONCHA / КОШИ

COD		Ø (mm)	L (mm)	gr.
Cu-Be	Al-Bron			
74245	-	85	350	2300



PLOMADA / LINER / CORDEAU RECHARGEABLE / SCHLAGSCHNURROLLER / GESSO TRACCIATORE / LINHAS DE TRAÇAR OTBEC

COD		Ø MAX (mm)	L (mm)	gr.
Cu-Be	Al-Bron			
72454	72455	50	60	250



POLEA / CHAIN HOIST / PALAN / KETTENZUG / PARANCHI A MANO CON CATENA / DIFERENCIAL MANUAL / ЦЕПНАЯ ТАЛЬ

COD		Kg.	CAP	Kg.
Cu-Be	Al-Bron			
71638	71642	500	3 m	14
71639	71643	1000		
71640	71644	2000		30
71641	71645	3000		
72141	72142	5000		



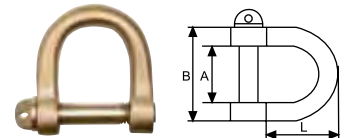
CARRO PARA POLEA / TROLLEY FOR CHAIN HOIST / CHARIOT POUR PALAN / WAREN FÜR KETTENHUB / CARRELLO PER PULEGIA / CARRO PARA DIFERENCIAL / ТЕЛЕЖКА ДЛЯ ЦЕПНЫХ ТАЛЕЙ

COD		CAP (Kg)	I	Kg.
Cu-Be	Al-Bron			
76693	76694	500	68-94	13
76695	76696	1000	68-100	16
76697	76698	2000	94-124	22
76699	76700	3000	116-140	24



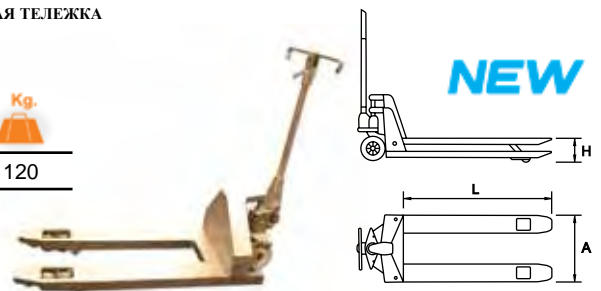
GRILLETE / SHACKLE / MANILLE / SCHÄKEL / GRILLI / MANILHA / РЫМ

COD		max.	A	B	L	gr.
Cu-Be	Al-Bron					
73429	73424	1200 kg	30	50	55	170



TRASPALETA HIDRÁULICA / HYDRAULIC PALLET TRUCK / TRANSPALLETTE HYDRAULIQUE / HYDRAULISCHER HUBWAGEN / TRASPALLET IDRAULICO / PORTA-PALETES HIDRÁULICO / ГИДРАВЛИЧЕСКАЯ ТЕЛЕЖКА

COD		CAP (Kg)	L (mm)	A (mm)	H (mm)	Kg.
Cu-Be	Al-Bron					
76547	76548	2000 kg	1070	555	80-195	120



GATO / SCREW JACK / CRIQUE HYDRAULIQUE / HEBEBOCK / MARTINETTO IDRAULICO / MACACO HIDRÁULICO DE GARRAFA / ВИНТОВОЙ ДОМКРАТ

COD		CAP (Kg)	H (mm)	Kg.
Al-Bron				
76703		3200	220-330	6,5
76705		5000	250-380	7
76707		10000	280-430	11
76709		16000	320-500	14



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

CEPILLOS / BRUSHES / BROSSES / STAHLBÜRSTEN / SPAZZOLE / ESCOVAS / ЩЕТКИ

COD	L	Gr.
70479	3X350	170
70480	4X350	200
70481	5X350	220

LATÓN / BRASS / LAITON

COD	L	Gr.
71632	5X180	200

LATÓN / BRASS / LAITON

COD	L	Gr.
72739	3x350	150

LATÓN / BRASS / LAITON

COD	L	Gr.
73419	6x215	60
72526	4x290	170

LATÓN / BRASS / LAITON

COD	Nº Filas Rows	L	Gr.
61581	4	240	150

LATÓN / BRASS / LAITON

COD	L	Gr.
71634	22.2x150	700
73426	32x200	1000

LATÓN / BRASS / LAITON



PICOS / PICKS / DECINTROIRES / MAURER HAMMERS / PICCONI / PICADEIRA / КИРКИ

COD		L	H	B	Kg.
Cu-Be	Al-Bron	mm	mm	mm	
72143	72147	1050	360	53	1,1
72144	72148		385	55	1,7
72145	72149		410	56	2,0
72146	72150		470	56	2,5

HACHA / AXE / HACHE / AXTE / ASCIA / MACHADO / ТОПОР

COD		L	H	B	Gr.
Cu-Be	Al-Bron	mm	mm	mm	
72153	72154	340	200	98	950

HACHA BOMBERO / FIREMAN TYPE AXE / HACHE POUR POMPIERS / FEUERWEHRAXT / ASCIA TIPO PER POMPIERI
MACHADO DE BOMBEIRO / ТОПОР ПОЖАРНОГО ТИПА

COD		L	H	B	Kg.
Cu-Be	Al-Bron	mm	mm	mm	
72151	72152	340	145	82	1,3



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

MARTILLOS / HAMMERS / MARTEAUX / HÄMMER / MARTELLI / MARTELOS / МОЛОТКИ

MARTILLO DE BOLA / BALL PEIN HAMMER / MARTEAU À BOULE / SCHLOSSER HAMMER / MARTELO A PALLA
MARTELO DE BOLA / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD		L mm	gr.
Cu-Be	Al-Bron		
70488	71743	280	200
70489	71744	310	500
70490	71745	340	700
70491	71746	350	900



MARTILLO MECÁNICO DE PEÑA / ENGINEER'S CROSS PEIN HAMMER / MARTEAU À GARNIR / MECCANICO CON PENNA /
SCHLOSSER HAMMER / MECÂNICO DE PENNA / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD		L mm	gr.
Cu-Be	Al-Bron		
70492	71747	310	500
70493	71748	350	900



MARTILLO ALEMÁN / GERMAN TYPE MACHINIST'S HAMMER / MARTEAU DE MECANICIEN / SCHLOSSER HAMMER
MARTELO TEDESCO / MARTELO TIPO ALEMÃO / СЛЕСАРНЫЙ МОЛОТОК НЕМЕЦКОГО ТИПА

COD		L mm	gr.
Cu-Be	Al-Bron		
70494	71749		100
70495	71750	300	200
70496	71751		300
70497	71752		500
70498	71753	310	800
70499	71754	340	1000
70500	71755	400	1500
70501	71756	450	2000



MARRETA OCTOGONAL / SLEDGE HAMMER / MASSETTE OCTOGONALE / SCHLAGHAMMER / MAZZETTA OTTOGONALE / MARRETA
OCTOGONAL / КУВАЛДА

COD		L mm	Kg.
Cu-Be	Al-Bron		
70502	71757		1
70503	71758	370	1,5
70504	71759		2,0
70505	71760		2,5
70506	71761		3,0
70507	71762		4,5
70508	71763	850	5,0
70509	71764		6,8
70510	71765		8,0
72213	72211	900	10
72975	72974		12



MARRETA CUADRADA TIPO ALEMÁN / GERMAN TYPE STONING HAMMER / MASSETTE TYPE ALLEMAND / FÄUSTEL / MAZZETTA
MARRETA / КУВАЛДА КАМЕНЩИКА НЕМЕЦКОГО ТИПА

COD		L mm	Kg.
Cu-Be	Al-Bron		
70511	71766		1
70512	71767	400	1,5
70513	71768		2
70514	71769		2,5
70515	71770	860	3
72098	72099		3,5



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

MARTILLO DE CORTE / CUT-OFF HAMMER / MARTEAU DE COUPE / SCHNEIDHAMMER / MARTELLO DE TAGLIO / MARTELO DE CORTE / ОТРУБНОЙ МОЛОТОК

COD		L mm	Kg.
Cu-Be	Al-Bron		
70516	71771	400	1,3
70517	71772		2,1



PICO DE CALDERERO / CHIPPING HAMMER / PIC DE CHAUDRONNIER / KESSELSTEINHAMMER / PICCONE DA BATTIRAME / PADEIRA DE CALDEIREIRO / МОЛОТОК КОЛУН

COD		L mm	gr.
Cu-Be	Al-Bron		
70518	71773	280	200
70519	71774	355	400
70520	71775	400	600
70521	71776	400	900



MARTILLO PARA PIEDRA / STONE WEDGE / MARTEAU DE TAILLEUR DE PIERRE / MAURERHAMMER / MARTELLO PER PIETRE / MARTELO PARA PEDRA / МОЛОТОК КАМЕНЩИКА

COD		L mm	Kg.
Cu-Be	Al-Bron		
70522	71777	400	1



PALA MARTILLO / BRICKLAYER'S HAMMER / PELLE-MARTEAU / MAURERHAMMER / MARTELLO PICCONE / PA-MARTELO / МОЛОТОК КИРПИЧНИКА

COD		L mm	gr.
Cu-Be	Al-Bron		
70523	71778	340	600
70524	71779		800



MARTILLO DE UÑA / CLAW HAMMER / MARTEAU D'EMBALLER / KLAUEN HAMMER / MARTELLO CARPENTIERE / MARTELO DE UNHA / МОЛОТОК С ГВОЗДОДЕРОМ

COD		L mm	gr.
Cu-Be	Al-Bron		
70525	71780	275	500
70526	71781	338	700



MARTILLO DE NYLON / NYLON HAMMER / MARTEAU NYLON / PLASTIK HAMMER / MARTELLO DI NYLON / MARTELO DE NYLON / НЕЙЛОНОВЫЙ МОЛОТОК

COD		mm	L mm	gr.
Cu-Be	Al-Bron			
70527	71782	50	340	800
73473	73393	55	400	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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЮМИНИЙ БРОНЗА

29**ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI
ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ****MARTILLO DE TESTEO / TESTING HAMMER / MARTEAU DE TEST / PRÜFHAMMER / MARTELLO DA TEST / MARTELO DE TESTES / ПРОВЕРОЧНЫЙ МОЛОТОК**

COD		L mm	gr.
Cu-Be	Al-Bron		
75211	75212	390	125
75214	75213	420	250

**MARTELO OTTOGONAL / SLEDGE HAMMER / MASSE OTTOGONALE / SCHLAGHAMMER / MAZZETTA OTTOGONALE / MARRETA OTTOGONAL / КУВАЛДА**

COD	L mm	gr.
Lat/Brass		
72740	280	300
72741	310	500
72742		1000
72743	400	1500
72744		2000
72745		3000
72746		4000
72747	900	5000
72748		7000
72749		10000



COD	L mm	gr.
Cu		
72750	350	450
72751	400	1000
72752	800	2500
72753		3600
72754		4500
72755	900	5400
72756		6400
72757		10000

**MAZA TIPO TAMBOR / DRUM TYPE STONING HAMMER / MASSETTE CONIQUE / LEICHTMETALLHAMMER / MAZZA TIPO A TAMBORO MAÇO DE COBRE COM CABO DE FIBRA DE VIDRO / БОЧКОБРАЗНЫЙ МОЛОТОК**

COD	L mm	gr.
Cu		
72758	280	300
72759	310	570
72760	340	810
72761	350	1100
72762		1600
72763	400	2300

**MAZA CUADRADA TIPO ALEMÁN / GERMAN TYPE STONING HAMMER / MASE CARREE TYPE ALLEMAND / STEINSCHLAGHAMMER / MAZZA / MARRETA QUADRADA / МОЛОТОК КАМЕНЩИКА НЕМЕЦКОГО ТИПА**

COD	Cu	L mm	gr.
Lat/Brass			
72764	72773	350	500
72765	72774		1000
72766	72775		1500
72767	72776	400	1800
72768	72777		2000
72769	72778		2700
72770	72779		3600
72771	72780	900	4000
72772	72781		5000



29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

MARTILLO DE BOLA / BALL PEIN HAMMER / MARTEAU À BOULE / SCHLOSSERHAMMER / MARTELLO A PALLA / MARTELO DE BOLA / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD		L mm	gr.
Lat/Brass	Cu		
72782	72788	280	230
72783	72789		340
72784	72790	310	450
72785	72791	340	680
72786	72792	350	910
72787	72793	400	1130



MARTILLO DE PICAR / SCALING HAMMER / MASSETTE À PIQUER / SCHWEISSERHAMMER / MARTELLO PER SCANALARE / PICADEIRA COM CABO DE FIBRA DE VIDRO / СКАЛЫВАЮЩИЙ МОЛОТОК

COD	L mm	gr.
72794	330	205
72795	350	370



MACETA DE LATÓN / BRASS MALLET / MASSETTE LAITON / MESSINGHAMMER / MAZZETTA DI OTTONE / MAÇO DE LATAO COM CABO DE FIBRA DE VIDRO / БРОНЗОВАЯ КУВАЛДА

COD	L mm	gr.
72796	900	4500
72797		5400
72798		7650



MACETA DE COBRE / COPPER MALLET / MASSETTE CUIVRE / KUPFERHAMMER / MAZZETTA DI RAME / MARRETA DE COBRE COM CABO DE FIBRA DE VIDRO / МЕДНАЯ КУВАЛДА

COD	L mm	gr.
72799	350	1350



YUNQUE / ANVIL BLOCK / ENCCLUME / AMBOSSBLOCK / INCUDINE / BIGORNA / БЛОК НАОВАЛЬНИ

COD		AxBxC (mm)	Kg.
Cu-Be	Al-Bron		
73734	73735	92x92x63	3
73736	73737	111x111x75	5
73738	73739	160x160x114	16



Lat/Brass latón / brass / laiton / messing / ottone / latao / БРОНЗА

Cu cobre / copper / cuivre / Kupfer / rame / cobre / МЕДНАЯ

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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

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

COD	LxWxH	Kg
51055	134,6x35,6x11,4	7,5

Con cierres en zamak / zinc alloy lockers / Casiers en alliage de zinc
Cerradura con llave / key lock / serrure à clef



COD	LxWxH	Kg
51056	52x33x15,2	3,6

Con cierres en zamak / zinc alloy lockers / Casiers en alliage de zinc
Cerradura con llave / key lock / Serrure à clef



KIT SEGURIDAD ATEX / ATEX SAFETY SETS / KIT DE SÉCURITÉ POUR ZONE ATEX / ATEX SAFETY KIT / KIT SICUREZZA ATEX / JOGO DE SEGURANÇA ATEX / ВЗРЫВОБЕЗОПАСНЫЙ НАБОР



18 PCS.

COD	Cu - Be	Composición / Composition	Kg	Al - Bron	COD
74388	70104	Alicate boca redonda 160 Round nose plier	5,0	70534	74389
	70103	Alicate boca plana 160 Flat nose plier		70533	
	70107	Alicate corte diagonal 160 Diagonal cutting plier		70537	
	70100	Alicate universal 160 Combination plier		70530	
	70115	Pinza boca fina / Neat tip tweezer		70547	
	73903	Pelacables 170mm Wirestripper		73904	
	71448	Llave ajustable 6" Adjustable wrench		71451	
	72260	Destornillador mecánico 3x75 Slotted screwdriver		72281	
	72263	Destornillador mecánico 4x100 Slotted screwdriver		72284	
	72267	Destornillador mecánico 6x150 Slotted screwdriver		72288	
	72909	Destornillador philips ph0 Screwdriver		72910	
	71595	Destornillador philips ph1 Screwdriver		71599	
	70410	Llave hexagonal de bola 3 Ballpoint hexagonal key		71354	
	70411	Llave hexagonal de bola 4 Ballpoint hexagonal key		71355	
	70412	Llave hexagonal de bola 5 Ballpoint hexagonal key		71356	
	71613	Cuchillos 250mm Knives		71614	
	70529	Tijeras 225 Scissors		70546	
	51056	Maleta de aluminio portaherramientas / Aluminium tool case		51056	

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ



21 PCS.

COD	Cu - Be	Composición / Composition	Kg.	Al - Bron	COD
74380	70124	Llave Heavy duty 14" Heavy duty pipe wench	9,5	71461	74381
	70174	Llave combinada 10mm Combination wrench		70686	
	70175	Llave combinada 11mm Combination wrench		70687	
	70176	Llave combinada 12mm Combination wrench		70688	
	70177	Llave combinada 13mm Combination wrench		70689	
	70178	Llave combinada 14mm Combination wrench		70690	
	70181	Llave combinada 17mm Combination wrench		70693	
	70183	Llave combinada 19mm Combination wrench		70695	
	70186	Llave combinada 22mm Combination wrench		70698	
	71596	Destornillador philips ph2 Screwdriver		71600	
	71585	Destornillador electricista 8x150 Screwdriver		71592	
	70118	Llave ajustable 10" Adjustable wrench		71453	
	70102	Alicate universal 200mm Universal plier		70532	
	70106	Alicate telefonista 200mm Long nose plier		70536	
	70526	Martillo de uña 338mm Claw hammer		71781	
	61581	Cepillo 4x16x240mm Brush		61581	
	73747	Raspador 48x300mm Scraper		73749	
	70472	Espatula 30mmx200mm Scrapper		71622	
	71613	Cuchillos 250mm Knives		71614	
	70110	Tenazas pico loro 10" Groove joint		70540	
51056	Maleta de aluminio portaherramientas / Aluminium tool case	51056			



16 PCS.

COD	Cu - Be	Composición / Composition	Kg.	Al - Bron	COD
74382	70474	Espatula 50mm Scrapper	11	71624	74383
	70111	Tenazas pico loro 12" Groove joint		70541	
	72458	Tijeras de hojalatero 300mm Tin snips		72459	
	70117	Llave Ajustable 8" Adjustable wrench		71452	
	70119	Llave Ajustable 12" Adjustable wrench		71454	
	72452	Llave taponadora universal / Multi-head bung wrench		72453	
	70102	Alicate universal 200mm Universal plier		70532	
	70106	Alicate telefonista 200mm Long nose plier		70536	
	70526	Martillo de uña 338mm Claw hammer		71781	
	61581	Cepillo 4x16x240mm Brush		61581	
	71613	Cuchillos 250mm Knives		71614	
	73747	Raspador 48x300mm Scraper		73749	
	71597	Destornillador Philips ph3 Screwdriver		71601	
	71585	Destornillador electricista 8x150 Screwdriver		71592	
	70124	Llave Heavy duty 14" Heavy duty pipe wench		71461	
	51056	Maleta de aluminio portaherramientas / Aluminium tool case		51056	

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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ



38 PCS.

COD	Cu - Be	Composición / Composition	Kg.	Al - Bron	COD
	70174	Llave combinada 10mm Combination wrench		70686	
	70175	Llave combinada 11mm Combination wrench		70687	
	70176	Llave combinada 12mm Combination wrench		70688	
	70177	Llave combinada 13mm Combination wrench		70689	
	70178	Llave combinada 14mm Combination wrench		70690	
	70179	Llave combinada 15mm Combination wrench		70691	
	70181	Llave combinada 17mm Combination wrench		70693	
	70183	Llave combinada 19mm Combination wrench		70695	
	70186	Llave combinada 22mm Combination wrench		70698	
	70188	Llave combinada 24mm Combination wrench		70700	
	70110	Tenazas pico loro 10" Groove joint		70540	
	71613	Cuchillos 250mm Knives		71614	
	70474	Espatula 50mm Scrapper		71624	
	61581	Cepillo 4x16x240mm Brush		61581	
	70391	Llave hexagonal 2mm Hexagonal Key		71287	
	70392	Llave hexagonal 3mm Hexagonal Key		71288	
	70393	Llave hexagonal 4mm Hexagonal Key		71289	
	70394	Llave hexagonal 5mm Hexagonal Key		71290	
74384	70395	Llave hexagonal 6mm Hexagonal Key	14	71291	74385
	70397	Llave hexagonal 8mm Hexagonal Key		71293	
	70399	Llave hexagonal 10mm Hexagonal Key		71295	
	70102	Alicate universal 200mm Universal plier		70532	
	70107	Alicate de corte diagonal 160mm Diagonal cutting plier		70537	
	70129	Llave sueca 45° 1.1/2" Swedish pipe wrench		71466	
	70118	Llave ajustable 10" Adjustable wrench		71453	
	70119	Llave Ajustable 12" Adjustable wrench		71454	
	70497	Martillo alemán 310mm German type machinist's hammer		71752	
	70513	Maceta cuadrada 2Kg (400mm) Stoning hammer		71768	
	72306	Destornillador electricista 5x100 Screwdriver		72308	
	71585	Destornillador electricista 8x150 Screwdriver		71592	
	71595	Destornillador Philips ph1 Screwdriver		71599	
	71597	Destornillador Philips ph3 Screwdriver		71601	
	73796	Cortafrio cilíndrico 20x200 Cylindrical chisel		73797	
	73780	Cinzel en punta 200mm Cross cutting chisel		73781	
	70429	Botador 5, 150x10 Pin punch		71475	
	70434	Botador 10, 150x14 Pin punch		71480	
	70529	Tijeras 225mm Scissors		70546	
	51056	Maleta de aluminio portaherramientas / Aluminium tool case		51056	

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ



9 PCS.

COD	Cu - Be	Composición / Composition	Kg.	Al - Bron	COD
74386	70474	Espátula 50x200 Scrapper	7,5	71624	74387
	70478	Espátula 100x200 Scrapper		71628	
	72157	Raspador Plano 30x200 Flat scraper		72162	
	73422	Rasqueta triangular 360 Triangular scraper		73399	
	73785	Pico y rasqueta 75x450 Scrapper pick and scaler		73786	
	71562	Rasqueta 60x185 Scraper		71566	
	73767	Raspador curvo 100x210 Arched Scraper		73768	
	61581	Cepillo 4x16x240mm Brush		61581	
	51056	Maleta de aluminio portaherramientas / Aluminium tool case		51056	



18 PCS.

COD	Cu - Be	Composición / Composition	Kg.	Al - Bron	COD
74390	71576	Barra de desencofrar 19x900 Wrecking bar	23	71577	74391
	70118	Llave ajustable 10" Adjustable wrench		71453	
	70119	Llave ajustable 12" Adjustable wrench		71454	
	70120	Llave ajustable 15" Adjustable wrench		71455	
	70489	Martillo de bola 310 Ball pein hammer		71744	
	70491	Martillo de bola 350 Ball pein hammer		71746	
	70519	Pico de calderero 355mm Chipping hammer		71774	
	70505	Maceta octogonal 850mm Sledge hammer		71760	
	73747	Raspador 48x300mm Scraper		73749	
	73767	Raspador curvo 100x210 Arched Scraper		73768	
	72272	Destornillador 10x200 Screwdriver		72293	
	72273	Destornillador 10x300 Screwdriver		72294	
	73815	Cortafíos hexagonal 18x160 Hexagonal chisel		73816	
	73798	Cortafíos cilíndrico 24x250 Cylindrical chisel		73799	
	70121	Llave Heavy duty 8" Heavy duty pipe wench		71458	
	70122	Llave Heavy duty 10" Heavy duty pipe wench		71459	
	70124	Llave Heavy duty 14" Heavy duty pipe wench		71461	
	51055	Maleta de aluminio portaherramientas / Aluminium tool case		51055	

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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

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'ACÉTHYLÈNE
SICHERE ARBEIT SOGAR BEI ACETYLEN-ATMOSPHÄREN
LIGA ACETILEX, TRABALHO SEGURO INCLUSIVÉ EM AMBIENTES ACETILENO
СПЛАВ АЦТИЛЕКС, БЕЗОПАСНАЯ РАБОТА ДАЖЕ В СРЕДЕ АЦТИЛЕНА

LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ

LLAVES COMBINADAS / COMBINATION WRENCHES / CLÉS MIXTES / RINGSCHLÜSSEL / CHIAVI COMBinate
CHAVES BOCA E LUNETA / КОМБИНИРОВАННЫЕ КЛЮЧИ

MM

COD			
72867	6mm	115	36
72868	7mm	120	43
72869	8mm	125	50
72870	9mm	130	65
72871	10mm	135	70
72872	11mm	140	75
72873	12mm	145	95
72874	13mm	155	105
72875	14mm	165	110
72876	15mm	175	120
72877	16mm	185	165
72878	17mm	195	175
72879	18mm	200	210
72880	19mm	210	220
72881	20mm	220	250
72882	21mm	230	270
72883	22mm	240	290
72884	23mm	250	370
72885	24mm	260	400
72886	25mm		420
72887	26mm	270	440
72888	27mm	280	500
72889	28mm	295	550
72890	29mm	300	650
72891	30mm	310	700
72892	32mm	330	800



FIJA DE GOLPE / SLOGGING OPEN WRENCH / À FOURCHE À FRAPPER / SCHLAG MAULSCHLÜSSEL / FISSE AD IMPULSO
BOCA DE IMPACTO / УДАРНЫЙ РОЖКОВЫЙ КЛЮЧ




MM

COD			
72901	30mm	185	450
72902	32mm	195	550
72903	36mm	210	750
72904	41mm	220	1000
72905	46mm	240	1300
72906	50mm	250	1400
72907	55mm	270	1750
72908	60mm	280	2000



ESTRELLA DE GOLPE / SLOGGING RING / POLYGONALE À FRAPPER / SCHLAG RINGSCHLÜSSEL / POLIGONALE AD IMPULSO
LUNETA DE IMPACTO / УДАРНЫЙ КЛЮЧ ЗВЕЗДОЧКА

MM

COD			
72893	30mm	165	420
72894	32mm	175	490
72895	36mm	210	600
72896	41mm	220	850
72897	46mm	240	1050
72898	50mm	250	1200
72899	55mm	260	1400
72900	60mm	270	1700







29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

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'ACÉTHYLÈNE
SICHERE ARBEIT SOGAR BEI ACETYLEN-ATMOSPHÄREN
LIGA ACETILEX, TRABALHO SEGURO INCLUSIVÉ EM AMBIENTES ACETILENO
СПЛАВ АЦИТИЛЕКС, БЕЗОПАСНАЯ РАБОТА ДАЖЕ В СРЕДЕ АЦИТИЛЕНА




LLAVES HEXAGONALES / HEXAGONAL KEYS / CLÉS MALES / INBUSSCHLÜSSEL / CHIAVI ESAGONALI / CHAVES HEXAGONAIS
ШЕСТИГРАННИК

MM

COD				
72856	2mm	38	13	7,0
72857	3mm	59	25	9,0
72858	4mm	65	30	11
72859	5mm	79	32	18
72860	6mm	85	37	28
72861	7mm	88	43	37
72862	8mm	92	44	55
72863	9mm	97	44	65
72864	10mm	110	45	90
72865	11mm	119	48	125
72866	12mm	130	52	160







CUÑA / WEDGE / COIN / KEIL / CUNEO / CUNHA / КЛИН

COD			
72851	100x50	10-0	210
72852	150x50	13-0	420
72853	180x50	19-0	750
72854	200x50	12-0	500
72855	230x40	20-0	800







DESTORNILLADORES / SREWDRIERS / TOURNEVIS / SCHRAUBENDREHER / CACCIAVITI
CHAVES DE VENDA / ОТВЕРТКИ

ELECTRICISTA / ELECTRICIEN / ELEKTRIKER / PER ELETTRICISTI / SCHROEVENDRAAIER VOOR SLEUFSCHROEVEN
ELECTRECISTA / ЭЛЕКТРИЧЕСКАЯ

COD				
72825	50	3	83	41
72826		4		50
72827	100	5	103	105
72828		6		115
72829	150	8	112	160







PHILIPS

COD				
72830	60	PH-0	83	44
72831	80	PH-1	103	75
72832	100	PH-2	112	85
72833	150	PH-3	112	180



POZIDRIV

COD				
72834	50	PZ-0	83	39
72835	75	PZ-1	103	50
72836	100	PZ-2	112	95
72837	150	PZ-3	112	160



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 / Aluminium Bronze / aluminium brons / aluminio bronzo / СПЛАВ АЛЛЮМИНИЙ БРОНЗА

29 ANTICHISPA / NON-SPARKING / ANTI-DEFLAGRANT / FUNKENFREI ANTISCINTILLA / ANTI-DEFLAGRANTE / ИСКРОБЕЗОПАСНЫЙ

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'ACÉTHYLÈNE
SICHERE ARBEIT SOGAR BEI ACETYLEN-ATMOSPHÄREN
LIGA ACETILEX, TRABALHO SEGURO INCLUSIVÉ EM AMBIENTES ACETILENO
СПЛАВ АЦИТИЛЕКС, БЕЗОПАСНАЯ РАБОТА ДАЖЕ В СРЕДЕ АЦИТИЛЕНА

MARTILLOS / HAMMERS / MARTEAUX / HÄMMER / MARTELLI / MARTELOS / МОЛОТКИ И КУВАЛДЫ

MARTILLO DE BOLA / BALL PEIN HAMMER / MARTEAU À BOULE / SCHLOSSER HAMMER / MARTELO A PALLA
MARTELO DE BOLA / МОЛОТОК С ШАРОВОЙ ГОЛОВКОЙ

COD	L mm	gr.
72838	310	500
72839	340	700
72840	350	900



MARTILLO ALEMÁN / GERMAN TYPE MACHINIST'S HAMMER / MARTEAU DE MECANICIEN / SCHLOSSER HAMMER
MARTELO TEDESCO / MARTELO TIPO ALEMÃO / СЛЕСАРНЫЙ МОЛОТОК НЕМЕЦКИЙ ТИП

COD	L mm	gr.
72841	310	500
72842	340	800
72843	340	1000



MACETA OCTOGONAL / SLEDGE HAMMER / MASSE OCTOGONALE / SCHLAGHAMMER / MAZZETTA OTTOGONALE
MARRETA OCTOGONAL / КУВАЛДА КУЗНЕЧНАЯ

COD	L mm	gr.
72844	400	1000
72845	400	1500
72846	400	2000
72847	400	3000
72848	900	4000
72849	900	5000



PICO DE CALDERERO / CHIPPING HAMMER / PIC DE CHAUDRONNIER / KESSELSTEINHAMMER / PICCONE DA BATTIRAME
PICADEIRA DE CALDEIREIRO / МОЛОТОК ВЫРУБНОЙ

COD	L mm	gr.
72850	280	400

