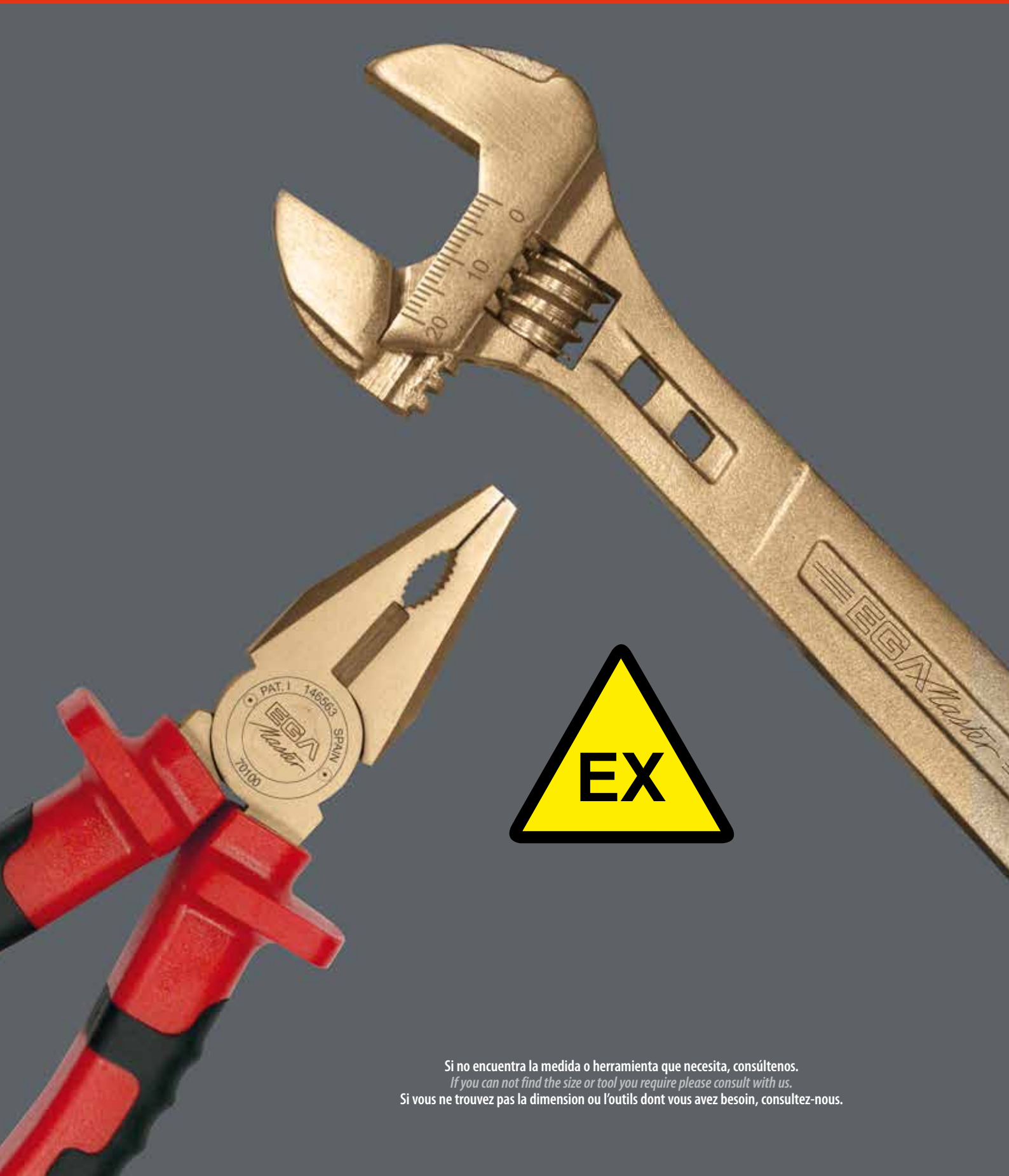
37

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



Si no encuentra la medida o herramienta que necesita, consúltenos.
If you can not find the size or tool you require please consult with us.
Si vous ne trouvez pas la dimension ou l'outils dont vous avez besoin, consultez-nous.

37 ANTICHISPA *NON-SPARKING* ANTI-DÉFLAGRANT

Las herramientas Antichispa EGA Master son la mejor alternativa para las aplicaciones en entornos de potencial explosivo. Incorporamos a nuestras herramientas antichispa todo nuestro conocimiento de décadas diseñando y fabricando herramientas de mano, ergonómicas, fáciles de usar y con el diseño más atractivo.

***EGA Master** Non-Sparking Tools are the best alternative for non-sparking application purposes in potentially explosive environments. We incorporate to our non-sparking tools all our knowledge of decades designing and manufacturing hand tools, making the most ergonomic and nicest design for them.*

L'outillage anti-déflagrant EGA Master est la meilleure alternative pour l'application en milieux explosifs. Nous apportons notre longue expérience dans la conception et la fabrication d'outillage á main dans le domaine de l'ergonomie, de la facilité d'utilisation et du Design.

MATERIALES
MATERIALS
MATERIAUX

Aleación Cobre-Berilio / *Copper-Berylium Alloy* / Alliage Cuivre-Béryllium		
Composición / *Composition* / Composition	Be	1,8 % - 2,3 %
	Ni+Co	> 0,2 %
	Co+Ni+Fe	< 1,2 %
	Cu+Be+Co+Ni+Fe	≥ 99,0 %
Dureza / *Hardness* / Dureté	311- 408 Brinell	
Resistencia a la tracción / *Tensile Strength* / Resistence á la traction	1250 N/mm²	

Aleación Aluminio-Bronce / *Aluminium-Bronze Alloy* / Alliage aluminium-bronze		
Composición / *Composition* / Composition	Al	10 % - 12 %
	Ni	4 % - 6 %
	Fe+Mn	5,8 % - 7 %
	Cu+Al+Ni+Fe+Mn	≥ 99,0 %
Dureza / *Hardness* / Dureté	241-311 Brinell	
Resistencia a la tracción / *Tensile Strength* / Resistence á la traction	800 N/mm²	

NOTA IMPORTANTE / *IMPORTANT NOTE* / AVIS IMPORTANT

Por sus características especiales de dureza y resistencia (sensiblemente inferiores a los que se pueden obtener en herramientas de acero), las herramientas antichispa no pueden ser garantizadas contra ninguna deformación ni rotura. Sólo se repondrán en concepto de garantía aquellas herramientas antichispa cuya dureza Brinell sea inferior (o exceda) a la indicada en nuestro catálogo: 311-408 Brinell en el caso de las fabricadas en Cobre-Berilio y 241-311 Brinell en las fabricadas en Aluminio Bronce.

The hardness and resistance that can be achieved with the materials used to manufacture non-sparking tools is significantly lower than that which can be obtained in tools made of steel. Due to these special characteristics of the material employed, non-sparking tools can not be guaranteed against any deformation or breakage. Non-sparking tools will be replaced under guarantee only when the hardness of the damaged tool does not reach (or exceeds) the one indicated in our catalogue: 311-408 Brinell for those made in Copper-Beryllium and 241-311 Brinell for those made in Aluminum Bronze.

Du fait de sa dureté et sa résistance spécifiques (sensiblement inférieures à celles d'outils en acier), les outils anti-déflagrants ne peuvent être garantis contre toute déformation ou rupture. Seulement seront pris en garantie, les outils anti-déflagrants dont la dureté est inférieure (ou excède) à celle indiquée dans notre catalogue: 311-408 Brinell pour le Cuivre - Béryllium et 241-311 Brinell pour l'Aluminium - Bronze.

PROPIEDADES Y CARACTERÍSTICAS
PROPERTIES AND FEATURES
PROPRIÉTÉS ET CARACTERÍSTIQUES

Propiedad / *Property* / Propriété	Aplicación o beneficio / *Aplication or benefits* / Application ou bienfait
Antichispa / *Non-sparking* / Anti-déflagrant	Apropiado para entornos de potencial explosivo / *Appropriate for explosive potential environments* / Approprié pour un environnement explosif
Seguridad anti-magnética / *Non-magnetic safety* / Sécurité anti-magnétique	Esencial para equipos que requieren una completa seguridad no magnética / *Essential for equipments that require complete non-magnetic safety* / Essentiel pour des équipements qui nécessitent une compléte sécurité, sauf magnétique
Resistente a la corrosión / *Corrosion resistant* / Resistant á la corrosion	Especialmente concebidos para aplicaciones en entornos corrosivos como pueden ser en trabajos en la marina o de aplicaciones de bomberos / *Specially well suited for applications in corrosive environments like encountered in marine works or fire-fighting applications* / Spécialement concu pour des environnements corrosifs, comme des travaux en air salin ou pratiqués par les pompiers
Forjado después de la fundición / *Forged after casting* / Forgé aprés fonte	Proporcionan grandes propiedades mecánicas y gran acabado / *Provides higher mechanical properties and better finishing* / Cet outillage forgé a une grande résistance mécanique et une meilleure finition
Diseños Ergonómicos / *Ergonomic designs* / Formes ergonomiques	La utilización de dos materiales antideslizantes para los mangos, diseño totalmente ergonómico para hacer las operaciones más fácilmente, más rápido y confortable / *The use of bi-material anti-slippery handles, dipping anti-slippery handles, totally ergonomic designs make operations easier, more comfortable and master* / L'utilisation de deux matériaux anti-dérapants pour le manche, le design totalement ergonomique pour un travail plus aisé, plus rapide et confortable

DIFERENCIAS Y ELECCIÓN DE LA OPCIÓN CORRECTA
DIFFERENCES AND HOW TO MAKE THE CORRECT CHOICE
DIFFÉRENCES ET SÉLECTION DE L'OPTION CORRECTE

Concepto / *Concept* / Concept	Cu-Be	Al-Bron
Dureza / *Hardness* / Dureté	311- 408 Brinell	241-311 Brinell
Magnetismo / *Magnetism* / Magnetisme	La ausencia férrea en la composición hace que sea más seguro cuando las aplicaciones no magnéticas son requeridas / *Non ferrous substance in the composition makes it safer when non-magnetic applications are required* / L'absence de substance ferrique dans sa composition, fait de lui un alliage plus sur pour des utilisations non magnétiques	Mínimo componente de hierro hacen que no sea 100 % no magnético, aunque su bajo magnetismo lo hace apropiado para las aplicaciones de bajo magnetismo no críticas / *Minimum ferrous component makes them not 100% non-magnetic, although its low magnetism make it appropiate for non critical non-magnetic applications* / Le minimum de substance ferreuse fait qu'il n'est pas á 100% amagnétique, malgré tout, son faible magnétisme le rend approprié pour des travaux amagnétiques mais non critiques
Durabilidad / *Durability* / Longévité	Muy grande debido a la gran dureza y la resistencia a tracción. Grandes esfuerzos pueden ser proporcionados / *Much higher due to the higher hardness and tensile strength. Higher efforts can be made* / Grande longévité due á sa composition et á la dureté. Supporte des forces importantes	No tanto como el Cu-Be / *Not as much as Cu-Be* / Pas autant que le Cu-Be
Precio / *Price* / Prix	Gran precio debido al material especial usado / *Higher price due to the special raw material used* / Onérosité due aux matériaux spéciaux utilisés	Sobre un 30 % más bajo / *Around 30% lower price* / Approx. 30% moins cher

PRECAUCIÓN
CAUTION
PRÉCAUTION

No usar herramientas que contengan más de un 65 % de cobre en contacto directo con acetileno debido a la posible formación de acetilita explosiva, especialmente en presencia de humedad.

Do not use high copper content tools (>65%) in direct contact with acetylene due to the possible formation of explosive acetylide, specially in the presence of moisture.

Ne pas utiliser les outils composés de cuivre (>65%), en contact direct avec l'Acétylène car il y a un risque d'explosion acétylique surtout en présence d'humidité.

TABLA DE RIESGOS DE EXPLOSIÓN Y MÁXIMA TEMPERATURA
TABLE OF RISKS OF EXPLOSION AND MAXIMUM TEMPERATURE
TABLEAU DE RISQUES D'EXPLOSION ET TEMPÉRATURE MAXIMALE

Grupo de ignición *Explosion group* **Groupe d'explosion**	**Clase de temperatura (máxima temperatura superficial admitida)** *Class of temperature (maximum surface temperature allowed)* **Classe de temperature maximum admise**					
Temperatura de ignición *Temperature of ignition* **Température d'Ignition**	T1 (450 °C)	T2 (300 °C)	T3 (200 °C)	T4 (135 °C)	T5 (100 °C)	T6 (85 °C)
	450 °C	300-450 °C	200-300 °C	135-300 °C	100-135 °C	85-100 °C
I	Metano *Methane* Méthane					
IIA **Energía de ignición superior a:** *Energy of ignition higher than:* **Energie d'ignition supérieure á:** **0.18 mJ**	Acetona *Acetone* Acétone	i-amilacetato *i-amyl acetate* i-amylacétate	Amilalcohol *Amyl alcohol* Amyl alcool	Acetaldehído *Acetaldehyde* Acétaldéhyde		
	Amoníaco *Ammonia* Ammoniac	n-butano *n-butane* n-butane	Gasolinas *Gasolines* Gasolines			
	Benceno *Benzene* Benzène	n-butanol *n-butanol* n-butanol	Gasóleo *Gas-oil* Gas-Oil			
	Etilacetato *Ethylacetate* Acétate d'ethyle	1-buteno *1-butene* 1-butène	Combustible de calefacción *Heating oil* Huile de chauffage			
		Propilacetato *Propylacetate* Acétate de propyle	n-hexano *n-hexane* n-hexane			
	Metanol *Methanol* Méthanol	i-propanol *i-propanol* i-propanol				
	Propano *Propane* Propane	Vinilclorido *Vinylchloride* Vinylchloride				
	Tolueno *Toluene* Toluène					
IIB **Energía de ignición entre:** *Energy of ignition between:* **Energie d'ignition de:** **0.06 & 0.18 mJ**	Cianuro de hidrógeno *Hydrogen cyanide* Cyanure d'hydrogène	1.3-butadieno *1.3-butadiene* Buta-1.3 diène	Dimetileter *Dimethyl ether* Diméthyl éther	Dietileter *Diethyleter* Diéthyl éther		
		1.4-dioxano *1.4-dioxane* 1.4-dioxane	Etiloglicol *Ethyl glycol* Ethyl glycol			
	Gas de carbón *Coal gas (lighting gas)* Gaz de houille	Etileno *Ethylene* Éthylène	Sulfuro de hidrógeno *Hydrogen sulphide* Sulfure d'hydrogène			
		Óxido de etileno *Ethylene oxide* Oxyde d'ethylène				
IIC **Energía de ignición inferior a:** *Energy of ignition less than:* **Energie d'ignition inferieur á:** **0.06 mJ**	Hidrógeno *Hydrogen* Hydrogène	Acetileno *Acetylene* Acétyléne			Disulfuro de carbono *Carbon disulphide* Disulfure de carbone	
	Gas de agua *Water gas* Gaz d'eau (CO+H2)				Nitrato de etilo *Ethyl nitrate* Nitrate d'ethyle	

Las herramientas fabricadas en aleación Cobre-Berilio se pueden utilizar en todos los grupos (I, IIA, IIB y IIC) de manera segura, respetando siempre la temperatura máxima de superficie, excepto para el acetileno, porque el cobre reacciona con él creando gases de acetilita altamente explosivos.

Tools made of Cu-Be alloy can be used in all groups (I, IIA, IIB, IIC) in a safe way, always respecting the maximum surface temperature allowed, with the only exception of acetylene, with which copper might react and create highly explosive acetylite gases.

Le cuivre Bérylium peut étre utilisé dans tous les cas d'une maniére sûre, á condition que la température superficielle de l'outil ne dépasse pas le niveau de température pour chaque gaz. Ne pas utiliser en présence d'Acthylene, car le contact peut créer des étincelles explosives.

Las herramientas fabricadas en aleación Aluminio-Bronce se pueden utilizar en todos los grupos excepto en IIC (hidrogeno, gas de agua, acetileno, bisulfuro de carbono y nitrato de etilo), respetando siempre la temperatura máxima de superficie.

Tools made of Al-Bronze alloy can be used in a safe way, always respecting the maximum surface temperature allowed, except for the IIC group (Hydrogen, gas of water, acetylene, bisulphide of carbon, Ethyl nitrate).

L'aluminium-Bronze est sûr pour tous ces produits sauf pour le groupe IIC (gaz d'eau, Hydrogéne, Acétyléne, Bisulfure de carbone et Nitrate d'éthyle , encore que de tous ces gaz seul l'hydrogéne est común), á condition que la température superficielle de l'outil ne dépasse pas le niveau de température pour chaque gaz.

HERRAMIENTAS DE COBRE O LATÓN
COPPER OR BRASS TOOLS
OUTILS EN CUIVRE OU EN LAITON

Las herramientas de cobre o latón son seguras en ambientes explosivos.

EGA Master tiene disponible una gama completa de martillos y mazas de cobre y latón a disposición de los clientes.

Es conveniente saber que las herramientas de cobre o latón no pueden ser nunca considerados como sustitutivos de las herramientas de aluminio-bronce o cobre-berilio, debido a que su dureza es muy inferior a la necesaria para la mayoría de aplicaciones. Existe la tentación de escoger herramientas en cobre o latón debido a su menor coste respecto a las aleaciones de aluminio-bronce o cobre-berilio. Esta opción no solo es peligrosa de por si, sino que hará que a corto plazo tengamos que reemplazarlas por nuevas unidades debido al desgaste sufrido por sus bajas durezas.

Por tanto, las herramientas de cobre o latón deberían ser empleadas únicamente en aquellas aplicaciones que se deban llevar a cabo en zonas de riesgo de explosión, si la misma aplicación requiriese emplear herramientas de cobre o latón en un ambiente sin riesgo de explosión.

Si usted emplearía una herramienta de acero en una zona sin riesgo de explosión, entonces debe escoger por su seguridad y rentabilidad herramientas fabricadas en aluminio-bronce o cobre-berilio para realizar la misma labor en una zona de riesgo, nunca una herramienta de cobre o latón.

Copper or brass tools are safe in explosive environments.

***EGA Master** has available a complete range of copper and brass hammers and mallets made in both materials.*

It is convenient to know that copper or brass tools can never be considered as alternatives to aluminum-bronze or copper-beryllium alloy tools, because their hardness is too low for most applications. There is the temptation to choose copper or brass tools due to their lower cost compared to aluminum-bronze or copper-beryllium ones. This choice is not only risky in itself, but in the short/mid term it will be necessary to replace them for new ones because they wear out fast.

For this reason, copper or brass tools should only be used in those jobs that have to be made in risky environments, if the same job would be made with copper or brass tools in a non-risky environment. In case you would use a steel tool in a non-risky environment, than you should choose for your safety and profitability tools made in aluminum-bronze or copper-beryllium to make the same job in a risky environment, never a copper or brass tool.

Les outils en cuivre ou en laiton sont sûrs pour une utilisation dans des evironnements explosifs.

EGA Master a toute une gamme compléte de marteaux et de masses en cuivre et en laiton au service des clients.

Il est important de savoir que les outils en cuivre ou en laiton ne peuvent jamais être considérés comme subtitutifs des outils en alumimium-bronze ou en cuivre-bérylium, ceci du á une dureté bien inférieure á celle nécessaire pour la plus part des applications. La tentation de substituer l'alu-Br et le Cu-Bé par le cuivre ou le laiton existe , dû au coût plus bas . Cette option , non seulement est dangereuse , mais aussi peu rentable, car l'outillage en cuivre ou en laiton sera á remplacer á trés court terme, car beaucoup moins résistant.

Mais les outils en cuivre ou en laiton devraient être uniquement utilisés pour des applications en zones de risques d'explosions, si le même usage était requis en atmosphére sans risque d'explosion.

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

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

ALEACIÓN ACETILEX, TRABAJO SEGURO INCLUSO EN AMBIENTES DE ACETILENO
ACETILEX ALLOY, SAFE WORK EVEN IN ACETHYLENE ENVIRONMENTS
ALLIAGE ACETILEX, TRAVAIL SÛR MÊME EN PRÉSENCE D'ACÉTHYLÉNE

Los ambientes de acetileno hacen que no se puedan emplear elementos con composiciones de cobre superiores al 65 %. Ambas aleaciones aluminio-bronce y cobre-berilio tienen porcentajes de cobre superiores al 65 %. La razón no estriba en que una chispa de cobre berilio tenga la suficiente energía como para provocar la ignición del acetileno, sino que el cobre puede reaccionar con el acetileno creando acetiluros altamente explosivas de por si. Por este motivo, se desaconseja el uso de cualquiera de las aleaciones de cobre berilio o aluminio bronce en ambientes de acetileno.

En **EGA Master**, siempre buscando soluciones innovadoras que aporten mayor seguridad, hemos desarrollado la aleación **ACETILEX**, 100 % segura en ambientes de acetileno. Una vez mas, pioneros en seguridad.

Items with copper composition higher than 65% should not be used in acetylene environments. Both aluminum bronze and copper-beryllium alloys do have copper compositions higher than 65%. The reason is not that copper beryllium can create a spark with enough energy to create the ignition of acetylene, but that copper reacts with acetylene creating highly explosive acetylides. For this reason, copper-beryllium or aluminum-bronze alloys should not be used in acetylene environments.

***EGA Master**, always commited to find new innovative solutions that will increase safety, has developed the **ACETILEX** alloy, 100% safe to be used in acethylene environments. Once again, pioneers in safety.*

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

En permanence á la recherche de solutions novatrices ayant la meilleure sécurité, **EGA Master** a développé l'alliage **ACETILEX**, 100% sûre en presence d'acéthyléne. Une fois de plus, pionniers en sécurité.

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

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

INSTRUCCIONES DE USO Y GARANTÍA
INSTRUCTIONS FOR USE & WARRANTY
INSTRUCTIONS D'UTILISATION ET GARANTIE

1. Las herramientas antichispa no pueden alcanzar la dureza de las herramientas convencionales. Por esta razón en su uso se debe tener un especial cuidado, sin sobreesfuerzos ni alta temperatura.

   Non-Sparking Tools cannot reach the hardness of conventional tools. For this reason the use of Non-Sparking Tools has to be carried out with special care, avoiding overstraining, heating, etc.

   L'outillage anti-déflagrant ne peut avoir la même dureté que l'outillage traditionnel. Pour cela, il requierre une attention spéciale, en évitant la surcharge, la chaleur…

2. Si en toda llave/destornillador es imperativo emplear la medida correspondiente a la tuerca o tornillo, en el caso de las antichispa lo es aún con más razón, ya que si se usara indebidamente una de distinto tamaño al preceptivo, el efecto cizalla que se causaría, propiciaría su deterioro.

   To avoid damage being caused to both tool and fastener, it is necessary to always ensure that the correctly sized spanner/wrench/screwdriver is selected. Due to the reduced strength and wear resistance of Non-Sparking Alloys selecting the correctly sized tool becomes essential to avoid premature wear and early deterioration of the tool.

   S'il est impératif dans tous tournevis/clés d'employer la dimension correspondante à l'écrou ou à la vis, il est encore plus vital dans le cas de l'anti-déflagrant, puisque s'il s'utilise de façon incorrecte la dimension obligatoire, l'effet cisaille causé favoriserai sa détérioration.

3. Durante trabajos en zonas clasificadas con riesgo de explosión, además de requerimientos relativos al uso de herramienta antichispa, deben tenerse en cuenta necesidades respecto de otros elementos tales como que el uso de maquinaria y artículos eléctricos/electrónicos con certificación ATEX, elementos de protección individual…

   While carrying out works in areas classifieds with risk of explosion, in addition to the safety requirements related to the use of non-sparking tools, it also must be taken into account requirements related to other elements used, such as ATEX certification for machinery, electrical/ electronic devices,… and also individual protection elements.

   Lors de travaux dans des zones classées à risque d'explosion, en plus des exigences liées à l'utilisation d'outils antidéflagrants, certains besoins doivent être pris en compte concernant d'autres éléments tels que l'utilisation de machines et d'éléments électriques/électroniques avec certification ATEX, des éléments de protection individuelle...

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

CERTIFICADO
DE CONFORMIDAD

Certificamos que las herramientas antichispa fabricadas por EGA Master en **Aluminio-Bronce** cumplen con la Directiva Europea ATEX 1999/92/EC en las zonas de trabajo 1 y 2 (Gas, Vapor) y/o Zonas 21 y 22 (Polvo). Además, son seguras en grupos de explosión I, IIA, IIB, IIC (excepto acetileno por la formación química de acetilita explosiva) de acuerdo a la ISO/IEC 80079-20-1:2017.

Composición química
Al: *10% - 12%*
Ni: *4% - 6%*
Fe+Mn: *5,8% - 7%*
Resto: *Cu+Al+Ni+Fe+Mn ≥99,0 %*
Dureza
241-311 Brinell
Resistencia a la tracción
800 N/mm2

Certificamos que las herramientas **Cobre-Berilio** fabricadas por EGA Master cumplen con la Directiva Europea ATEX 1999/92/EC en las zonas de trabajo 1 y 2 (Gas, Vapor) y/o Zonas 21 y 22 (Polvo). Además, son seguras en grupos de explosión I, IIA, IIB, IIC (excepto acetileno por la formación química de acetilita explosiva) de acuerdo a la ISO/IEC 80079-20-1:2017.

Composición química
Be: *1,8 % - 2,3 %*
Ni+Co: *> 0,2 %*
Co+Ni+Fe: *< 1,2 %*
Resto: *Cu+Be+Co+Ni+Fe≥99,0 %*
Dureza
311- 408 Brinell
Resistencia a la tracción
1250 N/mm2

CERTIFICATE
OF COMPLIANCE

We hereby certify that, EGA Master **Aluminum-Bronze** Tools fulfill the demand in the European ATEX Directive 1999/92/EC for work in Zones 1&2 (Gas, Mists or Vapors) and/or 21&22 (Dusts). EGA Master Aluminum-Bronze Tools are totally safe against explosion risk working in environments of all gases classified as Risk Groups I, IIA, IIB and IIC (except acetylene) according to ISO/IEC 80079-20-1:2017.

Chemical composition percentage
Al: *10% - 12%*
Ni: *4% - 6%*
Fe+Mn: *5,8% - 7%*
Cu+Al+Ni+Fe+Mn ≥99,0 % ***Balance***
Hardness
241-311 Brinell
Tensile Strength-Break
800 N/mm2

We hereby certify that, EGA Master **Copper-Beryllium** Tools fulfill the demand in the European ATEX Directive 1999/92/EC for work in Zones 1&2 (Gas, Mists or Vapors) and/or 21&22 (Dusts). EGA Master Aluminum-Bronze Tools are totally safe against explosion risk working in environments of all gases classified as Risk Groups I, IIA, IIB and IIC (except acetylene) according to ISO/IEC 80079-20-1:2017.

Chemical composition percentage
Be: *1,8 % - 2,3 %*
Ni+Co: *> 0,2 %*
Co+Ni+Fe: *< 1,2 %*
Cu+Be+Co+Ni+Fe≥99,0 % ***Balance***
Hardness
311- 408 Brinell
Tensile Strength-Break
1250 N/mm2

EGA MASTER S.L.
Aner Garmendia
CEO at EGA Master

EGA Master ART IN INNOVATION

CERTIFICADO DE SEGURIDAD ANTIEXPLOSIÓN
ANTIEXPLOSION SAFETY CERTIFICATE
CERTIFICAT DE SÉCURITÉ ANTI-EXPLOSION

EGA Master certifica la seguridad de sus materiales por el prestigioso Instituto Federal Alemán para la Investigación y Examen de Materiales BAM, miembro notificado de la Unión Europea para la certificación según la Directiva 94/9/EG (ATEX).

EGA Master non-sparking tools are certified by the prestigious German Federal Institute for Materials Research and Testing (BAM), which is a European Union approved laboratory to certify according to 94/9/EG Directive (Atex).

La certification des matériaux d'**EGA Master** est réalisée par le prestigieux Institut Fédéral Allemand d'investigation et d'examen des matériaux BAM, membre notifié par l'Union Européenne pour la certification selon la directive 94/9/EG (ATEX).

Certificate

N°: BAM/ZBF/008/10

3rd Revised version

BAM
Bundesanstalt für Materialforschung und -prüfung

12200 Berlin, Germany
T: +49 30 8104-0
F: +49 30 8104-7 2222

Hereby it is confirmed by the BAM Certification Body, that the

Material aluminium-bronze

of the manufacturer

EGA Master S.L.
Zorrolleta 11, Jundiz Industrial Estate
01015 Vitoria
SPAIN

meets the requirements of **BAM Standard operating procedure „StAA-NEG-005*: „StAA zur Schlagfunkenprüfung von Werkstoffpaarungen" dated 2019-07-02** and thus the non-sparking tools made of this material are appropriate for use in potentially explosive atmospheres of zone 1 and/or 21 according to Directive 1999/92/EC of all explosion groups (I, IIA, IIB & IIC) according to ISO/IEC 80079-20-1:2017, if the terms and conditions set out in the annex to this certificate are met.

The certification is based on certification contract
N° **BAM-ZBF-0004-2020-EGA dated 2020-08-26** and comprises according to standard ISO/IEC 17065:2012 a design-type test with the manufacturer's declaration of conformity (BAM Certification system I).
The products certified by BAM may be labelled with the certification mark "BAM design-type tested" / "BAM Baumustergeprüft".

The certificate is valid until 1 August 2025.

BAM test report **20017926; BZS-GS/024/20 dated 19 February 2021** as well as procedure no. **BZS-GS/024/20** form the basis of this certificate.

Bundesanstalt für Materialforschung und -prüfung (BAM)
Unter den Eichen 87,12205 Berlin, **2021-02-23**

Dr. J. Sunderkötter
BAM Certification Officer

Dr. R. Gratz
BAM Assessor

Distribution list: 1st Certificate holder — 2nd BAM Certification Body

This certificate may only be published in full wording and without any additions. A revocable written consent shall be obtained from BAM beforehand for any amended reproduction or the publication of any excerpts. The German version is legally binding, except an English version is issued exclusively. Place of jurisdiction is Berlin.

Sicherheit in Technik und Chemie

CERTIFICATE

Tras revisión de la normativa en 2017, realizada por la institución alemana BG RCI (en la que el laboratorio BAM también ha participado) se prohíbe el uso de herramientas en las áreas de las zonas 0 y 20. En línea con dicho cambio, y a partir de dicha fecha, el organismo de certificación BAM no otorga certificaciones para dichas zonas 0/20.

After a review of the regulations in 2017, carried out by the German institution BG RCI (in which the BAM laboratory has also participated), the use of tools in the areas of zones 0 and 20 is prohibited. In line with said change, and from After that date, the BAM certification body does not grant certifications for said zones 0/20.

Après une révision de la réglementation en 2017, réalisée par l'institution allemande BG RCI (à laquelle le laboratoire BAM a également participé), l'utilisation d'outils dans les zones 0 et 20 est interdite. A partir de cette date, l'organisme de certification BAM n'accorde plus de certifications pour lesdites zones 0/20.

CERTIFICADO DE SEGURIDAD ANTIEXPLOSIÓN
ANTIEXPLOSION SAFETY CERTIFICATE
CERTIFICAT DE SÉCURITÉ ANTI-EXPLOSION

EGA Master certifica la seguridad de sus materiales por el prestigioso Instituto Federal Alemán para la Investigación y Examen de Materiales BAM, miembro notificado de la Unión Europea para la certificación según la Directiva 94/9/EG (ATEX).

EGA Master non-sparking tools are certified by the prestigious German Federal Institute for Materials Research and Testing (BAM), which is a European Union approved laboratory to certify according to 94/9/EG Directive (Atex).

La certification des matériaux d'**EGA Master** est réalisée par le prestigieux Institut Fédéral Allemand d'investigation et d'examen des matériaux BAM, membre notifié par l'Union Européenne pour la certification selon la directive 94/9/EG (ATEX).

Certificate

N°: BAM/ZBF/007/10

3rd Revised version

BAM
Bundesanstalt für Materialforschung und -prüfung

12200 Berlin, Germany
T: +49 30 8104-0
F: +49 30 8104-7 2222

Hereby it is confirmed by the BAM Certification Body, that the

Material beryllium-copper

of the manufacturer

EGA Master S.L.
Zorrolleta 11, Jundiz Industrial Estate
01015 Vitoria
SPAIN

meets the requirements of **BAM Standard operating procedure „StAA-NEG-005": „StAA zur Schlagfunkenprüfung von Werkstoffpaarungen" dated 2019-07-02** and thus the non-sparking tools made of this material are appropriate for use in potentially explosive atmospheres of zone 1 and/or 21 according to Directive 1999/92/EC of all explosion groups (I, IIA, IIB & IIC) according to ISO/IEC 80079-20-1:2017, if the terms and conditions set out in the annex to this certificate are met.

The certification is based on certification contract N° **BAM-ZBF-0004-2020-EGA dated 2020-08-26** and comprises according to standard ISO/IEC 17065:2012 a design-type test with the manufacturer's declaration of conformity (BAM Certification system I).
The products certified by BAM may be labelled with the certification mark "BAM design-type tested" / "BAM Baumustergeprüft".

The certificate is valid until 1 August 2025.

BAM test report **20017926; BZS-GS/024/20 dated 19 February 2021** as well as procedure no. **BZS-GS/024/20** form the basis of this certificate.

Bundesanstalt für Materialforschung und -prüfung (BAM)
Unter den Eichen 87,12205 Berlin, **2021-02-23**

Dr. J. Sunderkötter
BAM Certification Officer

Dr. R. Grätz
BAM Assessor

Distribution list: 1st Certificate holder — 2nd BAM Certification Body

This certificate may only be published in full wording and without any additions. A revocable written consent shall be obtained from BAM beforehand for any amended reproduction or the publication of any excerpts. The German version is legally binding, except an English version is issued exclusively. Place of jurisdiction is Berlin.

Sicherheit in Technik und Chemie

CERTIFICATE

Tras revisión de la normativa en 2017, realizada por la institución alemana BG RCI (en la que el laboratorio BAM también ha participado) se prohíbe el uso de herramientas en las áreas de las zonas 0 y 20. En línea con dicho cambio, y a partir de dicha fecha, el organismo de certificación BAM no otorga certificaciones para dichas zonas 0/20.

After a review of the regulations in 2017, carried out by the German institution BG RCI (in which the BAM laboratory has also participated), the use of tools in the areas of zones 0 and 20 is prohibited. In line with said change, and from After that date, the BAM certification body does not grant certifications for said zones 0/20.

Après une révision de la réglementation en 2017, réalisée par l'institution allemande BG RCI (à laquelle le laboratoire BAM a également participé), l'utilisation d'outils dans les zones 0 et 20 est interdite. A partir de cette date, l'organisme de certification BAM n'accorde plus de certifications pour lesdites zones 0/20.

37

ANTICHISPA
NON-SPARKING
ANTIDÉFLAGRANT
FUNKENFREI
ANTISCINTILLA
ANTI-DEFLAGRANTE
ИСКРОБЕЗОПАСНЫЙ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B

Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046

to the Management Quality

ALICATES / *PLIERS* / PINCES / *ZANGEN* / PINZE / *ALICATES* / ПЛОСКОГУБЦЫ

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

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

BMAT | Modelo registrado / *Registered model* / Modèle enregistré

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70103	Cu-Be	70533	Al-Bron	160	170

BMAT | Modelo registrado / *Registered model* / Modèle enregistré

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70104	Cu-Be	70534	Al-Bron	160	160

BMAT | Modelo registrado / *Registered model* / Modèle enregistré

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

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

BMAT | Modelo registrado / *Registered model* / Modèle enregistré

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TELEPHONE BECS COUDES / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

COD.	MAT.	COD.	MAT.	L (mm)	g
73148	Cu-Be	73149	Al-Bron	160	250
73146		73151		180	270
73647		73650		200	370

BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
70107	Cu-Be	70537	Al-Bron	160	250
76474		76475		200	370

BMAT | Modelo registrado / *Registered model* / Modèle enregistré

CORTE DIAGONAL REFORZADO / *HEAVY DUTY CUTTING NIPPERS* / COUPANTES RENFORCEÉS / *VERSTÄRKTER SEITENSCHNEIDER* / TAGLIO LATERALE RINFORZATO / *CORTE DIAGONAL REFORÇADO* / УСИЛЕННЫЕ БОКОРЕЗЫ

COD.	MAT.	COD.	MAT.	L (mm)	g
72094	Cu-Be	72095	Al-Bron	160	260
70108		70538		180	320

BMAT | Modelo registrado / *Registered model* / Modèle enregistré

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70109	Cu-Be	70539	Al-Bron	210	370

BMAT Modelo registrado / *Registered model* / Modèle enregistré

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

COD.	MAT.	COD.	MAT.	L (inch)	g
70114	Cu-Be	70544	Al-Bron	8	250

BMAT Modelo registrado / *Registered model* / Modèle enregistré

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

COD.	MAT.	COD.	MAT.	L (mm)	g
73903	Cu-Be	73904	Al-Bron	170	220

BMAT Modelo registrado / *Registered model* / Modèle enregistré

ALICATES CIRCLIPS / *CIRCLIPS PLIERS* / PINCES POUR CIRCLIPS / *ZANGEN FÜR SICHERUNGSRINGE* / PINZE PER ANELLI / *ALICATES FREIOS* / СЪЕМНИК КОЛЕЦ

INTERIOR RECTO / *INTERNAL STRAIGHT* / INTERIEUR DROIT / *INNENSICHERUNGSRINGE, GERADE* / DIRITTO PER INTERNI / *INTERIOR DIREITO* / ВНУТРЕННИЕ ПРЯМЫЕ

COD.	MAT.	COD.	MAT.	O.D. mm	L (mm)	g
36434	Cu-Be	36435	Al-Bron	3-10	140	110
76741		76740		8-25		
72511		72510		10-25		
72513		72512		19-60	200	250
72515		72514		40-100	250	425

INTERIOR CURVO / *INTERNAL BENT* / INTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATTO PER INTERNI / *INTERIOR CURVO* / ВНУТРЕННИЕ ИЗОГНУТЫЕ

COD.	MAT.	COD.	MAT.	O.D. mm	L (mm)	g
79969	Cu-Be	79968	Al-Bron	85-200	330	600

EXTERIOR RECTO / *EXTERNAL STRAIGHT* / EXTERIEUR DROIT / *AUSSENSICHERUNGSRINGE, GERADE* / DIRITTA PER ESTERNI / *EXTERIOR DIREITO* / НАРУЖНЫЕ ПРЯМЫЕ

COD.	MAT.	COD.	MAT.	O.D. mm	L (mm)	g
76746	Cu-Be	76745	Al-Bron	3-10	140	120
36436		36437		8-25		
72517		72516		10-25		
72519		72518		19-60	200	265
72521		72520		40-100	250	465

EXTERIOR CURVO / *EXTERNAL BENT* / EXTERIEUR COUDÉ / *BACKEN UM 90 GEBOGEN* / PIEGATO PER ESTERNI / *EXTERIOR CURVO* / НАРУЖНИЕ ИЗОГНУТЫЕ

COD.	MAT.	COD.	MAT.	O.D. mm	L (mm)	g
79967	Cu-Be	79966	Al-Bron	85-200	330	600

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

ALICATES MINIS / *MINI PLIERS* / PINCES MINI / *MINI ZANGEN* / PINZE MINI / *ALICATES MINI* / ПЛОСКОГУБЦЫ МИНИ

UNIVERSALES / *COMBINATION* / UNIVERSELLES / *KOMBIZANGEN* / UNIVERSALI / *UNIVERSAIS* / КОМБИНИРОВАННЫЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
79100	Cu-Be	79101	Al-Bron	125	100

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

COD.	MAT.	COD.	MAT.	L (mm)	g
79128	Cu-Be	79129	Al-Bron	125	100

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

COD.	MAT.	COD.	MAT.	L (mm)	g
79145	Cu-Be	79146	Al-Bron	130	100

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

COD.	MAT.	COD.	MAT.	L (mm)	g
79220	Cu-Be	79221	Al-Bron	125	100

TELEFONISTA BOCA CURVA / *BENT NOSE PLIERS* / TÉLÉPHONE BECS COUDÉS / *TELEFONZANGEN GEBOGEN* / TELEFONISTI BECCHI PIEGATI / *TELEFONISTA PONTAS CURVAS* / С ИЗОГНУТЫМИ НОСАМИ

COD.	MAT.	COD.	MAT.	L (mm)	g
79222	Cu-Be	79223	Al-Bron	125	100

BOCA AGUJA / *LONG NEEDLE NOSE* / LONG BECS DEMI-RONDS / *FLACHZANGE MIT LANGEM MAUL* / BECCHI TONDI AFFUSOLATI / *PONTAS AGULHA* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
76128	Cu-Be	76129	Al-Bron	150	100

CORTE DIAGONAL / *DIAGONAL CUTTING PLIERS* / COUPANTES DIAGONALES / *SEITENSCHNEIDER* / TAGLIO LATERALE / *CORTE DIAGONAL* / УДЛИНЕННЫЕ ТОНКИЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
79228	Cu-Be	79229	Al-Bron	115	100

CORTE DIAGONAL TRIANGULAR / *DIAGONAL CUTTING TRIANGULAR* / COUPANTES DIAGONALE TRIANGULAIRE / *SEITENSCHNEIDER* / TAGLIO LATERALE TRIANGOLARE / *CORTE DIAGONAL TRIANGULAR* / БОКОРЕЗЫ ТРЕУГОЛЬНЫЕ

COD.	MAT.	COD.	MAT.	L (mm)	g
79230	Cu-Be	79231	Al-Bron	115	100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

CORTE FRONTAL / *END CUTTING NIPPER* / COUPANTES DEVANT / *VORSCHNEIDER* / TAGLIO FRONTALE / *CORTE FRONTAL* / КЛЕЩИ

COD.	MAT.	COD.	MAT.	L (mm)	g
79232	Cu-Be	79233	Al-Bron	110	100

TENAZAS / *PINCERS* / TENAILLES / *ZANGE* / TENAGLIE / *ALICATES* / КЛЕЩИ

PICO DE LORO / *GROOVE JOINT* / MULTIPRISE À CRÉMAILLÈRE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / С ЖЕЛОБКОВЫМ МЕХАНИЗМОМ

COD.	MAT.	COD.	MAT.	L (inch)	g
70110	Cu-Be	70540	Al-Bron	10	340
70111		70541		12	700

DE CANAL / *BOX JOINT* / MULTIPRISE ENTREPASSÉE / *WASSERPUMPENZANGE* / PINZE REGOLABILI / *BICO DE PAPAGAIO* / ШАРНИРНЫЕ

COD.	MAT.	COD.	MAT.	L (inch)	g
73897	Cu-Be	73898	Al-Bron	10	380

COD.	MAT.	COD.	MAT.	L (inch)	g
72300	Cu-Be	72302	Al-Bron	10	340

BMAT

TENAZA GRIP BOCA CURVA / *CURVED JAW GRIP PLIER* / PINCE ÉTAU BEC COURBÉ / *GRIPZANGE* / PINZA GRIP A BECCHI PIEGATI / *ALICATE DE PRESSÃO BOCA CURVA* / СТРУБЦИНА

COD.	MAT.	COD.	MAT.	L (inch)	g
79463	Cu-Be	79464	Al-Bron	9	480

TENAZA DE CARPINTERO / *CARPENTER PINCER* / PINCE DE MENUISIER / *KANTENZANGE* / TENAGLIE PER CARPENTIERI / *TURQUES DE CARPINTERO* / КЛЕЩИ ДЛЯ ПЛИТКИ

COD.	MAT.	COD.	MAT.	L (inch)	g
70112	Cu-Be	70542	Al-Bron	7	310
70113		70543		8	380

ALICATE PARA TERMINALES / *CRIMPING PLIER* / PINCE À SERTIR / *CRIMPZANGE* / PINZE PER TERMINALI / *ALICATE PARA TERMINAIS* / ОБЖИМНЫЕ КЛЕЩИ

COD.	MAT.	COD.	MAT.	L (inch)	g
73900	Cu-Be	73901	Al-Bron	8	220

LLAVES AJUSTABLES / *ADJUSTABLE WRENCHES* / CLÉS À MOLETTE / *ROLLGABELSCHLÜSSEL* / CHIAVI REGOLABILI A RULLINO / *CHAVES AJUSTAVELS* / РАЗВОДНЫЕ КЛЮЧИ

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	L (inch)	g
72685	Cu-Be	73992	Al-Bron	13	100	4	55
71448		71451		19	150	6	160
70117		71452		24	200	8	330
70118		71453		28	250	10	550
70119		71454		34	300	12	850
70120		71455		43	375	15	1250
71449		71456		52	450	18	2200
71450		71457		62	600	24	3100
75315		75316		75	900	36	7800

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COMFORT

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	L (inch)	g
75099	Cu-Be	75098	Al-Bron	19	150	6	180
75112		75111		24	200	8	350
75114		75113		28	250	10	570

LLAVE AJUSTABLE LIGERA / *LIGHT ADJUSTABLE WRENCH* / CLÉ À MOLETTE LÉGÈRE / *VERSTELLBARE ROLLGABEL LEICHT* / CHIAVE A RULLINO LEGGERA / *CHAVE AJUSTÁVEL LIGEIRA* / КЛЮЧ РАЗВОДНОЙ ОБЛЕГЧЕННЫЙ

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	L (inch)	g
35746	Cu-Be	35747	Al-Bron	20	150	6	140
35748		35749		25	200	8	270
35750		35751		30	250	10	460
35752		35753		35	300	12	710
35754		35755		48	375	15	1500

EXTRACTORES / *GEAR PULLERS* / EXTRACTEURS / *ABZIEHERS* / ESTRATTORI / *EXTRACTORES* / СЪЕМНИКИ

EXTRACTOR 3 GARRAS ARTICULADAS REVERSIBLES / *3 JAW REVERSIBLE GEAR PULLER* / EXTRACTEUR 3 BRAS ARTICULES RÉVERSIBLES / *AUSSENABZIEHER 3 KLAUEN* / ESTRATTORE A 3 BRACCI REVERSIBILI / *EXTRACTOR DE 3 GARRAS ARTICULADO REVERSIVEL* / СЪЕМНИК С 3-МЯ ЛАПАМИ РЕВЕРСИВНЫЙ

COD.	MAT.	COD.	MAT.	L min.-max.	Kg
72470	Cu-Be	72471	Al-Bron	50-100	4,5
72472		72473		60-150	5,2
72474		72475		70-200	7,1
72476		72477		80-350	13

PINZAS / *TWEEZERS* / BRUCELLES / *GREIFPINZETTEN* / PINZETTE DI PRECISIONES / *PINÇAS* / ПИНЦЕТЫ

BOCA FINA / *NEAT TIPS* / BECS FINS / *FEINE BACKEN* / A PUNTA FINE / *PONTAS FINAS* / ПИНЦЕТ ЗАОСТРЕННЫЙ

COD.	MAT.	COD.	MAT.	L (mm)	g
70115	Cu-Be	70547	Al-Bron	150	40

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70116	Cu-Be	70548	Al-Bron	100	30

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

37

ANTICHISPA
NON-SPARKING
ANTIDÉFLAGRANT
FUNKENFREI
ANTISCINTILLA
ANTI-DEFLAGRANTE
ИСКРОБЕЗОПАСНЫЙ

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B

Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046

to the Management Quality

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

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

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75240	Cu-Be	75241	Al-Bron	4-5	90	30
75242		75243		5-5,5		
70135		70549		6-7	95	40
70136		70550		6-8		
76871		76872		7-8		50
70137		70551		7-9		55
70138		70552		8-9	100	60
70139		70553		8-10		65
70140		70554		9-10	105	70
70141		70555		9-11	110	75
70142		70556		10-11	115	85
70143		70557		10-12	120	95
76873		76874		10-13		
70144		70558		10-14	125	115
75244		75245		11-13		120
70145		70559		11-14		125
70146		70560		12-13		135
70147		70561		12-14	130	145
76875		76876		13-14		
73648		73649		13-15	135	165
36550		36551		13-17		
70148		70562		14-15	145	
76877		76878		14-16	150	170
70149		70563		14-17		180
70150		70564		16-17	155	200
70151		70565		16-18	165	210
70152		70566		17-19	170	230
70153		70567		17-22	175	270
70154		70568		18-19	180	280
76879		76880		18-20		
74625		74626		19-20		
70155		70569		19-22	185	330
70156		70570		19-24		360
70157		70571		20-22	195	370
74627		74628		21-22		390
70158		70572		21-23	200	410
75246		75247		22-23		
70159		70573		22-24	210	440
70160		70574		22-27		470
76090		76091		23-25	220	500
76881		76882		23-26		
75248		75249		24-25		
70161		70575		24-26		
70162		70576		24-27	230	550
72923		72922		24-30		
70163		70577		25-28	240	
76092		76093		26-27		
74831		74832		26-29		
76094		76095		27-28	250	650

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
70164	Cu-Be	70578	Al-Bron	27-29	250	650
75250		71821		27-30		
75251		75252		28-30		
72925		72924		27-32		700
75253		75254		30-31	260	750
70165		70579		30-32		
73007		73006		30-34		900
72927		72926		30-36		
75255		75256		32-34		1000
75257		75258		32-35		1100
70166		70580		32-36		1150
75259		75260		33-35		1300
70167		70581		34-36	300	1500
75261		75262		35-36		
75263		75264		36-38	320	
73337		73336		36-41	330	
73297		36443		38-40	340	1600
75265		75266		38-42		
70168		70582		41-46	350	1800
72921		72919		46-50	370	2100
73390		73389		50-52	380	2500
76096		76097		50-55	385	
76885		76886		50-60	400	3000
70169		70583		50-62		3300
70588		70584		55-60	410	
70589		70585		60-65	430	4550
70590		70586		65-70	460	7600
70591		70587		70-80	500	9200

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
36218	Cu-Be	36219	Al-Bron	3/16-1/4	90	22
70592		70637		7/32-1/4		35
70593		70638		1/4-9/32		
70594		70639		1/4-5/16		
70595		70640		5/16-3/8	100	45
70596		70641		3/8-7/16	110	60
75275		75276		3/8-1/2	115	65
70597		70642		7/16-1/2	120	85
70598		70643		1/2-9/16	130	90
70599		70644		1/2-5/8	150	100
70600		70645		1/2-11/16		110
70601		70646		9/16-5/8		120
70602		70647		9/16-3/4		130
70603		70648		19/32-11/16		140
70604		70649		19/32-25/32	165	150
74835		74836		5/8-11/16		
70605		70650		5/8-3/4		160
75277		75278		11/16-3/4	170	165
70606		70651		11/16-25/32		180
70607		70652		11/16-7/8	180	200
76887		76888		3/4-25/32		220
70608		70653		3/4-13/16		
70609		70654		3/4-7/8	185	230
70610		70655		25/32-13/16		
70611		70656		25/32-7/8	190	
70612		70657		13/16-7/8		240
70613		70658		7/8-15/16	210	300
70614		70659		7/8-31/32		320
70615		70660		7/8-1	220	340
70616		70661		15/16-1		360
70617		70662		7/8-1.1/16	230	380
70618		70663		15/16-1.1/16		410
74837		74838		1-1.1/16		
70619		70664		1-1.1/8		430
76889		76890		1-1.5/16		450
70620		70665		1.1/16-1.1/8		
70621		70666		1.1/16-1.1/4	250	500
74839		74840		1.1/8-1.3/16		
70622		70667		1.1/8-1.5/16	260	550
75281		75282		1.3/16-1.1/4		
70623		70668		1.1/16-1.7/16	270	600
70624		70669		1.1/8-1.1/2		700
75283		75284		1.1/4-1.5/16		
70625		70670		1.1/4-1.3/8	290	
70626		70671		1.1/4-1.7/16		850
75285		75286		1.5/16-1.3/8		900
70627		70672		1.5/16-1.1/2	320	
75287		75288		1.3/8-1.7/16		1000
70628		70673		1.3/8-1.1/2		1050
70629		70674		1.7/16-1.5/8	330	1250
75289		75290		1.1/2-1.9/16	340	1300
70630		70675		1.1/2-1.11/16		1500

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70631	Cu-Be	70676	Al-Bron	1.5/8-1.13/16	350	1800
70632		70677		1.3/4-1.5/8		2100
70633		70678		1.11/16-1.7/8		2500
70634		70679		1.13/16-2	370	2800
75291		75292		2-2.3/16	380	
75293		75294		2-2.3/8	400	
70635		70680		2.1/16-2.5/16	410	3100
75295		75296		2.3/16-2.3/8		
70636		70681		2.1/4-2.3/8		3300
75297		75298		2.3/8-2.9/16	430	3700

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *GABEL RINGSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАННЫЕ КЛЮЧИ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
36090	Cu-Be	36091	Al-Bron	5,5	90	35
70170		70682		6	115	
70171		70683		7	120	40
70172		70684		8	125	45
70173		70685		9	130	60
70174		70686		10	135	65
70175		70687		11	140	70
70176		70688		12	145	85
70177		70689		13	155	95
70178		70690		14	165	100
70179		70691		15	175	110
70180		70692		16	185	150
70181		70693		17	195	160
70182		70694		18	200	190
70183		70695		19	210	210
70184		70696		20	220	240
70185		70697		21	230	260
70186		70698		22	240	280
70187		70699		23	250	350
70188		70700		24	260	380
70189		70701		25	270	400
70190		70702		26		420
70191		70703		27	280	480
70192		70704		28	290	500
70193		70705		29	300	650
70194		70706		30	310	700
70195		70707		31	320	750
70196		70708		32	330	
72700		71786		33		800
72701		71787		34	340	850
70197		70709		35		950
70198		70710		36		
79447		79449		37	350	
70199		70711		38		1100
79473		79474		39	360	1000
70200		70712		40	350	1100
70201		70713		41	370	
70202		70714		42		1200
79481		79482		43	405	1400
72654		72649		44		1300
76461		76462		45		1400
70203		70715		46	400	1550
74999		75190		47	420	1580
72678		74055		48		1700
75279		75364		49		1750
70204		70716		50		
73618		73619		52	430	2100
70205		70717		55		2200
73617		73620		58	455	2400
70206		70718		60	460	2600
70207		70719		65	470	3000
70208		70720		70	480	3550

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
70209	Cu-Be	70721	Al-Bron	75	490	4100
70210		70722		80	500	4550
70211		70723		85		5350
70212		70724		90		5800

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72632	Cu-Be	72624	Al-Bron	7/32	90	25
70725		70751		1/4	115	
75305		75306		9/32	120	30
70726		70752		5/16	125	
70727		70753		11/32	130	35
70728		70754		3/8		40
76855		76856		13/32	135	55
70729		70755		7/16		
70730		70756		1/2	140	70
70731		70757		9/16	165	80
75307		75308		19/32		95
70732		70758		5/8	175	130
70733		70759		11/16	195	140
70734		70760		3/4	210	200
76857		76858		25/32	230	
70735		70761		13/16		
70736		70762		7/8		280
70737		70763		15/16	260	330
76859		76860		31/32		360
70738		70764		1		
70739		70765		1.1/16	280	460
70740		70766		1.1/8	300	500
72937		72936		1.3/16	320	550
70741		70767		1.1/4		700
70742		70768		1.5/16	350	1000
70743		70769		1.3/8		
70744		70770		1.7/16	360	1150
70745		70771		1.1/2		1200
75309		75310		1.9/16		
70746		70772		1.5/8		1350
70747		70773		1.11/16	370	1500
75311		75312		1.3/4		
70748		70774		1.13/16	400	
70749		70775		1.7/8		1600
78975		78976		1.15/16	420	1700
70750		70776		2		
77132		77133		2.1/16	435	1800
77156		77157		2.1/8		
76861		76862		2.3/16	445	2100
79028		79029		2.1/4	455	
76863		76864		2.3/8	460	2400
76865		76866		2.9/16	470	2800
76867		76868		2.5/8		
76869		76870		2.3/4	480	3300
76463		76464		2.15/16	510	4000
72707		36442		3		4100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

LLAVE COMBINADA DE CARRACA / *COMBINATION RATCHET WRENCH* / CLÉ MIXTA À CLIQUET / *RATSCHET-RINGGABELSCHLÜSSEL* / CHIAVE COMBINATA A CRICCO / *CHAVE DE BOCA E LUNETA COM ROQUETE* / КЛЮЧ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ

COD.	MAT.	COD.	MAT.	AF mm	g
72683	Cu-Be	74102	Al-Bron	8	150
72641		74121		10	180
73761		74136		12	200
73764		74161		13	240
36304		36328		14	245
36315		36329		15	
73771		74188		17	250
36316		36332		18	
73867		74191		19	310
36317		36333		22	420
36318		36334		24	570
36319		36335		27	750

EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

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

LLAVES ACODADAS / *DOUBLE OFFSET RING WRENCHES* / CLÉS POLYGONALES CONTRE-COUDÉES / *RINGSCHLÜSSEL* / CHIAVI POLIGONALI / *CHAVES LUNETA* / ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧК

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75320	Cu-Be	75321	Al-Bron	5,5-7	120	20
70213		70777		6-7		25
75322		75323		6-8		35
70214		70778		7-9	130	50
70215		70779		8-9		
70216		70780		8-10		55
70217		70781		9-10		60
70218		70782		9-11		70
70219		70783		10-11	160	80
75324		75325		10-12		
75326		75327		10-13		85
70220		70784		10-14		100
75318		75319		11-12		
75328		75329		11-13		110
70221		70785		11-14	180	120
70222		70786		12-13		
70223		70787		12-14		150
70224		70788		13-14		
70225		70789		13-15	190	200
36552		36553		13-17		
70226		70790		14-15	220	
72133		72137		14-16		
72134		72138		14-17		
70227		70791		16-17		210
70228		70792		16-18		220
70229		70793		17-19		
75330		75331		17-21	250	260
70230		70794		17-22		290
70231		70795		18-19		
75332		75333		19-21	280	300
70232		70796		19-22		310
70233		70797		19-24		350
70234		70798		20-22		370
70235		70799		21-23	310	400
75334		75335		21-26		420
75336		75337		22-23		
70236		70800		22-24		450
70237		70801		22-27	340	470
75338		75339		23-26		
75340		75341		24-25		480
72822		72823		24-26		500
73339		73338		24-27		
70238		70802		24-30		550
70239		70803		25-28		600
74833		74834		26-29		
75469		75470		26-32	250	500
70240		70804		27-29	340	650
70241		70805		27-30		700
70242		70806		27-32	360	750
75342		75343		29-32		

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
70243	Cu-Be	70807	Al-Bron	30-32	380	800
76891		76892		30-34		850
72956		72912		31-33		
70244		70808		30-36	420	1050
75344		75345		32-34		
72957		72913		32-35		1100
72135		72139		32-36		1150
72136		72140		34-36		
70245		70809		36-38	455	1550
75346		75347		35-41		
75348		75349		38-40		1600
70246		70810		36-41		
75350		75351		38-42		1700
70247		70811		41-46	470	2050
72251		72250		46-50	490	2200
73392		73391		50-52	510	2400
75352		75353		50-55		
75354		75355		50-60	535	2450
72253		72252		55-60		2500
75356		75357		60-70	540	3900
72255		72254		65-70		4000
76893		76894		70-75	550	4500
72257		72256		75-80	700	5000

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70812	Cu-Be	70841	Al-Bron	7/32-1/4	120	30
74841		74842		1/4-5/16		
70813		70842		5/16-3/8	130	45
70814		70843		3/8-7/16		60
70815		70844		7/16-1/2	160	90
70816		70845		1/2-9/16	180	115
70817		70846		9/16-5/8	220	190
74843		74844		5/8-11/16		200
70818		70847		5/8-3/4		230
75365		75366		11/16-3/4		
70819		70848		11/16-25/32		240
70820		70849		3/4-13/16	280	290
70821		70850		13/16-7/8		350
70822		70851		7/8-15/16	310	400
70823		70852		7/8-31/32		420
70824		70853		7/8-1		440
70825		70854		7/8-1.1/16		480
70826		70855		15/16-1		490
70827		70856		15/16-1.1/16	340	500
70828		70857		1-1.1/16		550
70829		70858		1-1.1/8		
70830		70859		1.1/16-1.1/8		
70831		70860		1.1/16-1.1/4	360	600
74845		74846		1.1/8-1.3/16		700
70832		70861		1.1/8-1.5/16	380	
76895		76896		1.1/8-1.1/2		800
75367		75368		1.3/16-1.1/4		
70833		70862		1.1/4-1.5/16		1000
70834		70863		1.1/4-1.7/16	420	1100
75369		75370		1.5/16-1.3/8		
75371		75372		1.3/8-1.7/16		1350
70835		70864		1.7/16-1.5/8	455	1600
75373		75374		1.1/2-1.9/16		1700
70836		70865		1.5/8-1.13/16	470	2050
70837		70866		1.13/16-2	490	2550
75375		75376		2-2.3/16	510	2800
70838		70867		2.1/16-2.3/16		
70839		70868		2-2.3/8	535	3000
75377		75378		2.3/16-2.3/8		3100
70840		70869		2.1/4-2.3/8		3500
75379		75380		2.3/8-2.3/4	540	3900
76755		76756		2.3/8-2.7/16		4000
75381		75382		2.9/16-2.3/4		4200
75383		75384		2.3/4-2.15/16	550	4300

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

KIT DEMO 6 LLAVES / *6 SPANNER DEMO KIT* / KIT DÉMO. 6 CLÉS / *DEMOKIT 6 SCHLÜSSEL* / KIT 6 CHIAVI DI DIMOSTRAZIONE / *KIT DEMO 6 CHAVES* / ДЕМО НАБОР ИЗ 6 КЛЮЧЕЙ

COD.	g
69342	300

COD. PCS.		mm
61727	Aerospacial / *Aerospatial*	8
38092	INOX	
73062	1000V	
70172	Cu-Be	
70684	Al-Bron	
71669	Titanio / *Titanium*	

SET

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

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76400	Cu-Be	6	90052	70135, 70138, 70142, 70146, 70148, 70150	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76402		8	90053	70135, 70138, 70142, 70146, 70148, 70150, 70154, 70157	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76404		10	90054	70135, 70138, 70142, 70146, 70148, 70150, 70154, 70157, 70158, 70161	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76406		12	90055	70135, 70138, 70142, 70146, 70148, 70150, 70154, 70157, 70158, 70161, 70163, 70165	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32
76408				70135, 70138, 70142, 70146, 70148, 70150, 70154, 70157, 70158, 70162, 70163, 70165	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76401	Al-Bron	6	90052	70549, 70552, 70556, 70560, 70562, 70564	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76403		8	90053	70549, 70552, 70556, 70560, 70562, 70564, 70568, 70571	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76405		10	90054	70549, 70552, 70556, 70560, 70562, 70564, 70568, 70571, 70572, 70575	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76407		12	90055	70549, 70552, 70556, 70560, 70562, 70564, 70568, 70571, 70572, 70575, 70577, 70579	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32
76409				70549, 70552, 70556, 70560, 70562, 70564, 70568, 70571, 70572, 70576, 70577, 70579	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32

INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76410	Cu-Be	6	90052	70596, 70598, 70601, 70603, 74835, 70612	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 13/16-7/8
76412		8	90053	70596, 70598, 70601, 70603, 74835, 70612, 70609, 70616	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1
76414		10	90054	70594, 70595, 70596, 70598, 70601, 70612, 70616, 70619, 70621, 74835	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
76416		12	90055	70594, 70595, 70596, 70598, 70601, 70609, 70612, 70616, 70619, 70620, 70621, 74835	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 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 / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76411	Al-Bron	6	90052	70641, 70643, 70646, 70648, 70657, 74836	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 13/16-7/8
76413		8	90053	70641, 70643, 70646, 70648, 70654, 70657, 70661, 74836	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1
76415		10	90054	70639, 70640, 70641, 70643, 70646, 70657, 70661, 70664, 70666, 74836	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
76417		12	90055	70639, 70640, 70641, 70643, 70646, 70654, 70657, 70661, 70664, 70665, 70666, 74836	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 1.1/16-1.1/4

LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *RINGGABELSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАНЫЕ КЛЮЧИ

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76418	Cu-Be	6	90052	70172, 70174, 70176, 70178, 70181, 70183	8, 10, 12, 14, 17, 19
76420		8	90081	70172, 70174, 70176, 70177, 70178, 70181, 70183, 70186,	8, 10, 12, 13, 14, 17, 19, 22
76422		10	90082	70172, 70173, 70174, 70175, 70176, 70177, 70178, 70181, 70183, 70186	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
76424		12	90083	70170, 70171, 70172, 70173, 70174, 70175, 70176, 70177, 70178, 70179, 70180, 70181	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
76426		14	90063	70174, 70175, 70176, 70178, 70180, 70181, 70183, 70184, 70186, 70188, 70189, 70191, 70192, 70196	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
76428		17	90064	70170, 70171, 70172, 70173, 70174, 70175, 70176, 70177, 70178, 70179, 70180, 70181, 70182, 70183, 70184, 70185, 70186	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
76430				70171, 70172, 70173, 70174, 70175, 70176,70177, 70178, 70179, 70180, 70181, 70182, 70183, 70184, 70185, 70186, 70188	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
76432		26	90059, 90064	70170, 70171, 70172, 70173, 70174, 70175, 70176, 70177, 70178, 70179, 70180, 70181, 70182, 70183, 70184, 70185, 70186, 70187, 70188, 70189, 70190, 70191, 70192, 70193, 70194, 70196	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76419	Al-Bron	6	90052	70684, 70686, 70688, 70690, 70693, 70695	8, 10, 12, 14, 17, 19
76421		8	90081	70684, 70686, 70688, 70689, 70690, 70693, 70695, 70698	8, 10, 12, 13, 14, 17, 19, 22
76423		10	90082	70684, 70685, 70686, 70687, 70688, 70689, 70690, 70693, 70695, 70698	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
76425		12	90083	70682, 70683, 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70691, 70692, 70693	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
76427		14	90063	70686, 70687, 70688, 70690, 70692, 70693, 70695, 70696, 70698, 70700, 70701, 70703, 70704, 70708	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
76429		17	90064	70682, 70683, 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70691, 70692, 70693, 70694, 70695, 70696, 70697, 70698	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
76431				70683, 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70691, 70692, 70693, 70694, 70695, 70696, 70697, 70698, 70700	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
76433		26	90059, 90064	70682, 70683, 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70691, 70692, 70693, 70694, 70695, 70696, 70697, 70698, 70699, 70700, 70701, 70702, 70703, 70704, 70705, 70706, 70708	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32

INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76434	Cu-Be	6	90080	70728, 70729, 70730, 70731, 70732, 70734	3/8, 7/16, 1/2, 9/16, 5/8, 3/4
76436		8	90081	70726, 70728, 70729, 70730, 70731, 70732, 70733, 70734	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
76438		10	90082	70728, 70729, 70730, 70731, 70732, 70733, 70734, 70735, 70736, 70738	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
76440		12	90083	70726, 70728, 70729, 70730, 70731, 70732, 70733, 70734, 70735, 70736, 70737, 70738	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
76442		14	90063	70728, 70729, 70730, 70731, 70732, 70733, 70734, 70735, 70736, 70737, 70738, 70739, 70740, 70741	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76435	Al-Bron	6	90080	70754, 70755, 70756, 70757, 70758, 70760	3/8, 7/16, 1/2, 9/16, 5/8, 3/4
76437		8	90081	70752, 70754, 70755, 70756, 70757, 70758, 70759, 70760	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
76439		10	90082	70754, 70755, 70756, 70757, 70758, 70759, 70760, 70761, 70762, 70764	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
76441		12	90083	70752, 70754, 70755, 70756, 70757, 70758, 70759, 70760, 70761, 70762, 70763, 70764	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
76443		14	90063	70754, 70755, 70756, 70757, 70758, 70759, 70760, 70761, 70762, 70763, 70764, 70765, 70766, 70767	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4

LLAVES ACODADAS / *DOUBLE OFFSET RING WRENCHES* / CLÉS POLYGONALES CONTRE-COUDÉES / *RINGSCHLÜSSEL* / CHIAVI POLIGONALI / *CHAVES LUNETA* / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76444	Cu-Be	6	90056	70213, 70215, 70219, 70222, 70226, 70227	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76446		8	90057	70213, 70215, 70219, 70222, 70226, 70227, 70231, 70234	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76448		10	90058	70213, 70215, 70219, 70222, 70226, 70227, 70231, 70234, 70235, 72822	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76450		12	90059	70213, 70215, 70219, 70222, 70226, 70227, 70231, 70234, 70235, 70239, 70243, 72822	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32

MM

COD.	MAT.	PCS.		COD. PCS.	(mm)
76445	Al-Bron	6	90056	70777, 70779, 70783, 70786, 70790, 70791	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
76447		8	90057	70777, 70779, 70783, 70786, 70790, 70791, 70795, 70798	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
76449		10	90058	70777, 70779, 70783, 70786, 70790, 70791, 70795, 70798, 70799, 72823	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
76451		12	90059	70777, 70779, 70783, 70786, 70790, 70791, 70795, 70798, 70799, 72823, 70803, 70807	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32

INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76452	Cu-Be	6	90056	70814, 70816, 70817, 70818, 70821, 74843	3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-3/4, 5/8-11/16, 13/16-7/8
76454		8	90057	70814, 70816, 70817, 70818, 70820, 70821,70826, 74843	3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-3/4, 5/8-11/16, 3/4-13/16, 13/16-7/8, 15/16-1
76456		10	90058	70813, 70814, 70816, 70817, 70821, 70826, 70829, 70831, 74841, 74843	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
76458		12	90059	70813, 70814, 70816, 70817, 70820, 70821, 70826, 70829, 70830, 70831, 74841, 74843	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-13/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4, 1.1/16-1.1/4

INCH

COD.	MAT.	PCS.		COD. PCS.	(inch)
76453	Al-Bron	6	90056	70843, 70845, 70846, 70847, 70850, 74844	3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-3/4, 5/8-11/16, 13/16-7/8
76455		8	90057	70843, 70845, 70846, 70847, 70849, 70850, 70855, 74844	3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-3/4, 5/8-11/16, 3/4-13/16, 13/16-7/8, 15/16-1
76457		10	90058	70842, 70843, 70845, 70846, 70847, 70849, 70850, 70855, 70858, 70860, 74842, 74844	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
76459		12	90059	70842, 70843, 70845, 70846, 70849, 70850, 70855, 70858, 70859, 70860, 74842, 74844	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-13/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4, 1.1/16-1.1/4

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

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

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
76817	Cu-Be	76818	Al-Bron	6-7	95	30
73960		73961		7-9	115	32
76819		76820		8-10		
76821		76822		9-11	125	37
73962		73963		10-11	140	55
75418		75419		10-12		
73964		73965		12-14	145	70
77130		77131		13-15	155	85
73966		73967		14-17	165	100
73968		73969		16-18	170	115
76084		76085		17-19	185	130
73970		73971		18-19		
73972		73973		17-22	200	180
73974		73975		19-21		
75420		75421		19-22		
73976		73977		20-22		
36554		36555		21-22	220	240
73978		73979		21-23		
73980		73981		22-24		
73982		73983		24-27	255	320
73984		73985		25-28	265	360
77134		77135		26-28		
73986		73987		27-30	280	390
73988		73989		27-32	295	470
73990		73991		30-32		
77136		77137		30-36	330	600
74771		74772		32-36		
74773		74774		36-41	365	900

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
76781	Cu-Be	76782	Al-Bron	7/32-1/4	100	20
76783		76784		1/4-5/16		
76785		76786		5/16-3/8	115	40
76787		76788		3/8-7/16	140	55
76789		76790		7/16-9/16	160	95
77138		77139		1/2-19/32	180	110
76791		76792		1/2-5/8		
76793		76794		9/16-11/16		
76795		76796		5/8-25/32	225	250
76797		76798		11/16-3/4		
77140		77141		11/16-13/16		
76799		76800		3/4-7/8	250	350
76801		76802		13/16-15/16	280	430
76803		76804		7/8-15/16		
76805		76806		15/16-1.1/16	300	550
76807		76808		1-1.1/8	310	650
76809		76810		1.1/16-1.3/16		
77142		77143		1.1/8-1.5/16	340	750
76811		76812		1.3/16-1.1/4		
77144		77145		1.1/4-1.3/8	360	1000
76813		76814		1.1/4-1.7/16		
77146		77147		1.5/16-1.7/16		
76815		76816		1.7/16-1.5/8		
77148		77149		1.1/2-1.5/8	380	1350

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

LLAVE DE CARRACA / *RATCHET SPANNER* / CLÉ À CLIQUET / *KNARRENSCHLÜSSEL* / CHIAVE A CRICCO / *CHAVE RAPIDA ABERTA COM ROQUETE* / ТРЕЩЕТКА

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
70870	Cu-Be	70887	Al-Bron	9	150	160
70871		70888		11		180
70872		70889		13	155	190
70873		70890		14		
70874		70891		17	200	200
70875		70892		19		210
70876		70893		22	220	
70877		70894		24		220
70878		70895		27	240	
70879		70896		30	280	230
70880		70897		32		
70881		70898		36	290	260
70882		70899		41	295	
70883		70900		46	360	450
70884		70901		50		550
70885		70902		55	440	650
70886		70903		60		850

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
36296	Cu-Be	36297	Al-Bron	5/16	150	100
70904		70920		3/8		160
36298		36299		7/16		100
70905		70921		1/2	155	190
70906		70922		9/16		
70907		70923		11/16	200	200
70908		70924		3/4		210
70909		70925		7/8	220	
70910		70926		1		220
70911		70927		1.1/16	240	
70912		70928		1.3/16	280	230
70913		70929		1.1/4		
70914		70930		1.7/16	290	260
70915		70931		1.5/8		
70916		70932		1.13/16	360	450
70917		70933		2		550
70918		70934		2.3/16	440	650
70919		70935		2.3/8		850

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

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

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75424	Cu-Be	75425	Al-Bron	10	200	90
75426		75427		11	210	100
75428		75429		12	220	110
75430		75431		13	230	120
75432		75433		14	240	140
75434		75435		15	250	170
75436		75437		16	260	190
75438		75439		17	270	200
77436		77437		18		230
75440		75441		19		330
77438		77439		20		
75442		75443		21		360
70248		71732		22		500
76523		76524		23	290	
70249		71733		24		
77440		77441		25	320	
77442		77443		26		
70250		71734		27		700
77444		77445		28	350	
77446		77447		29		
70251		71735		30		800
70252		71736		32	370	
77448		77449		33	390	
77450		77451		34		900
77452		77453		35		
70253		71737		36		1000
77454		77455		37	400	
70254		71738		38		
70255		71739		41	410	
77456		77457		42	420	1100
70256		71740		44		
70257		71741		46		
77458		77459		47	430	1300
70258		71742		50		
75444		75445		55	550	2100
75446		75447		60	600	2500

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77460	Cu-Be	77461	Al-Bron	11/16	310	190
77462		77463		3/4	330	240
77464		77465		25/32		
77466		77467		13/16	350	300
76839		76840		7/8		
76841		76842		15/16	370	380
77468		77469		31/32		
77470		77471		1	400	480
77472		77473		1.1/16		
77474		77475		1.1/8	430	650
77476		77477		1.3/16		
74608		74609		1.1/4		700
77478		77479		1.5/16		
77480		77481		1.3/8	460	900
74612		74613		1.7/16		
74610		74611		1.1/2	490	1150
77482		77483		1.9/16		
74614		74615		1.5/8		1200
77484		77485		1.11/16		
77486		77487		1.3/4	500	1500
74616		74617		1.13/16		
77488		77489		1.7/8	520	
74618		74619		2	550	1900

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE FIJA ACODADA PARA ESTRUCTURA / *OFFSET OPEN END STRUCTURAL WRENCH* / CLÉ À FOURCHE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE / *MAULSCHLÜSSEL GEKRÖPFT MIT DORN* / CHIAVE FISSA PER PONTEGGI / *CHAVE BOCA INCLINADA PARA ESTRUTURA* / КЛЮЧ ГАЕЧНЫЙ ОДНОСТОРОННИЙ ВИЛКООБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75450	Cu-Be	75451	Al-Bron	17	320	210
77490		77491		18	350	300
75452		75453		19		320
77492		77493		20		
77494		77495		21		410
75454		75455		22		430
77496		77497		23	370	450
75456		75457		24		480
77498		77499		25		
77500		77501		26		600
75458		75459		27		650
77502		77503		28		
77504		77505		29	400	750
75460		75461		30		800
73940		73941		32		850
77506		77507		33		
77508		77509		34	430	900
77510		77511		35		
73942		73943		36		1200
77512		77513		37		
77514		77515		38	470	
73944		73945		41		1900
77516		77517		42		
73946		73947		46	500	2800
77518		77519		47		
73948		73949		50	550	3700

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77520	Cu-Be	77521	Al-Bron	11/16	320	200
77522		77523		3/4	350	300
77524		77525		25/32		
77526		77527		13/16		410
77528		77529		7/8		
77530		77531		15/16	370	450
77532		77533		1.1/16		600
77534		77535		1.1/8	400	750
77536		77537		1.3/16		
77538		77539		1.1/4		
77540		77541		1.5/16		
77542		77543		1.3/8	430	900
77544		77545		1.7/16		
77546		77547		1.1/2	470	1200
77548		77549		1.9/16		
77550		77551		1.5/8		
77552		77553		1.11/16		
77554		77555		1.3/4	500	1500
77556		77557		1.13/16		
77558		77559		1.7/8		
77560		77561		2	530	1700

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE DE CARRACA PARA ESTRUCTURA / *RATCHET STRUCTURAL WRENCH* / CLÉ À CLIQUET POUR STRUCTURE / *STAHLBAUKNARRE* / CHIAVE A CRICCO PER COSTRUZIONE / *CHAVE DE ROQUETE PARA ESTRUTURA* / ГОЛОВКА С ТРЕЩЕТКОЙ

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
79034	Cu-Be	79035	Al-Bron	32	320	1000

LLAVE DE CARRACA PARA ESTRUCTURA METALICA / *PODGING WRENCH* / CLIQUET RÉVERSIBLE / *STAHLBAUKNARRE* / CHIAVE A CRICCO PER COSTRUZIONE / *CHAVE DE ROQUETE PARA ESTRUTURA METALICA* / ГОЛОВКА С ТРЕЩЕТКОЙ

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
36736	Cu-Be	36747	Al-Bron	10-13	210	350
36737		36748		12-14		
36738		36749		13-17	250	410
36739		36750		17-19	290	450
36740		36751		19-21	310	580
36072		36073		19-22		
36741		36752		19-24	330	620
36742		36753		22-24		
35792		35793		24-27	350	730
36743		36754		24-30	370	800
36744		36755		27-32		900
35794		35795		30-32		
36745		36756		32-36	390	1150
36746		36757		36-41		1500

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

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

LLAVE PARA RACORES / *FLARE NUT* / CLÉ POLYGONALE À TUYAUTER / *OFFENER DOPPELRINGSCHÜSSEL* / CHIAVE PER RACCORDI / *LUNETAS ABERTAS COM BATENTE* / КЛЮЧ ПРОКАЧНОЙ РАЗРЕЗНОЙ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
77570	Cu-Be	77571	Al-Bron	6-7	95	15
77572		77573		8-10	115	30
77574		77575		9-11	125	35
77576		77577		10-12	140	50
77578		77579		12-14	145	65
77580		77581		14-15	155	85
77582		77583		14-17	165	95
77584		77585		16-18	170	120
77586		77587		17-19	185	125
77588		77589		19-22	200	170
77590		77591		22-24	220	220
77592		77593		24-27	255	300
77594		77595		24-30	270	360
77596		77597		25-28	265	
77598		77599		27-30	280	410
77600		77601		30-32	295	480
77602		77603		30-34	310	550
77604		77605		30-36	330	650
77606		77607		34-36	345	700
77608		77609		36-41	365	900

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72723	Cu-Be	72724	Al-Bron	3/8-7/16	135	50
72725		72726		7/16-1/2	150	100
72727		72728		1/2-9/16	155	150
72729		72730		9/16-5/8	170	250
72731		72732		5/8-3/4	195	300
72733		72734		3/4-7/8	220	350
72735		72736		7/8-1	235	400
72737		72738		1-1.1/8	265	500

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

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

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Kg
70280	Cu-Be	71013	Al-Bron	14	130	0,1
70281		71014		17		
70282		71015		19		
36466		36467		20	150	0,2
70283		71016		22		
70284		71017		24		
74875		74876		25		0,3
36468		36469		26	170	0,4
70285		71018		27		0,3
74877		74878		28		
77278		77279		29	190	0,4
70286		71019		30		
70287		71020		32		
77280		77281		33		0,5
74847		74848		34	210	0,6
77282		77283		35		0,7
70288		71021		36		
77284		77285		37		
74341		74342		38		0,8
70289		71022		41	225	0,9
77286		77287		42		
79089		77778		45	245	1,1
70290		71023		46		
77288		77289		47	270	1,2
70291		71024		50		
77290		77291		52		1,4
77292		77293		54	300	1,5
70292		71025		55		
77294		77295		56		1,8
77296		77297		58	310	2
70293		71026		60		
77298		77299		63	340	2,4
70294		71027		65		
77300		77301		67		2,5
70295		71028		70	365	3
77302		77303		71		
70296		71029		75	375	3,5
77304		77305		77		
71007		71030		80	395	4
77306		77307		82		
71008		71031		85	405	5
77308		77309		88	438	
71009		71032		90		6,5
77310		77311		94	445	
71010		71033		95		
71011		71034		100	480	8,5
71012		71035		105	500	10
74849		74850		110	510	
74880		74881		115	520	12
77312		77313		120	530	
74761		74762		125	545	

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Kg
77314	Cu-Be	77315	Al-Bron	130	560	18
77316		77317		135	575	
77318		77319		140	585	
77320		77321		145	630	24
77322		77323		150	640	
77324		77325		155	650	
36470		36471		160		37
36472		36473		165	700	43
36474		36475		170		
36476		36477		175		44
36478		36479		180		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Kg
71036		71055		9/16		0,2
72105		72113		5/8	130	
71037		71056		11/16		0,3
71038		71057		3/4		
71039		71058		7/8		0,4
71040		71059		15/16	150	
72106		72114		1		0,6
71041		71060		1.1/16	170	
72107		72115		1.1/8		
74851		74852		1.3/16		
71042		71061		1.1/4	190	0,7
77326		77327		1.5/16		
72108		72116		1.3/8		
71043		71062		1.7/16	210	
72109		72117		1.1/2		
77328		77329		1.9/16		
71044		71063		1.5/8	225	1,6
77330		77331		1.11/16		
77332		77333		1.3/4		
71045		71064		1.13/16	245	
72110		72118		1.7/8		1,8
71046		71065		2	270	
77334		77335		2.1/16		2,1
77336		77337		2.1/8		
71047		71066		2.3/16	300	2,6
72111		72119		2.1/4		3
77338	Cu-Be	77339	Al-Bron	2.5/16		
71048		71067		2.3/8	310	4
77340		77341		2.7/16		
72112		72120		2.1/2		
71049		71068		2.9/16	340	
77342		77343		2.5/8		4,5
74853		74854		2.3/4	365	
77344		77345		2.13/16		
77346		77347		2.15/16	375	
71050		71069		3		7
71051		71070		3.1/8		
74855		74856		3.3/16	395	
77348		77349		3.1/4		8,5
74857		74858		3.3/8	405	
77350		77351		3.1/2		
71052		71071		3.9/16	438	
77352		77353		3.5/8		10
74859		74860		3.3/4	445	
77354		77355		3.7/8	480	11
71053		71072		4		12
77356		77357		4.1/8	500	
71054		71073		4.5/16	510	13
77358		77359		4.9/16	520	
77360		77361		4.11/16	530	
77362		77363		4.15/16	560	16
77364		77365		5.3/8	575	
77366		77367		6	640	23

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

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

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Kg
70297	Cu-Be	71080	Al-Bron	17	150	0,1
35652		35653		18		
70298		71081		19		
72231		72230		20	170	0,2
77150		77151		21		
70299		71082		22		
77564		77565		23		
70300		71083		24		
72631		72677		25	180	0,3
71906		72951		26		
70301		71084		27		
72633		72679		28		
72634		72680		29	190	0,4
70302		71085		30		
72635		72681		31		
70303		71086		32		
72609		72619		33		
73326		73331		34	200	0,5
72610		72620		35		
70304		71087		36		
72611		72621		37		
71834		71835		38	225	0,8
72636		72682		39		
73327		73332		40		
70305		71088		41		
73328		73333		42		
72638		72684		43	235	0,9
73329		73334		44		
72640		72686		45		
70306		71089		46		
72229		72228		47		
73330		73335		48	245	1,1
72642		72688		49		
70307		71090		50		
72643		72689		51		
70308		71091		52	265	1,4
72644		72690		53		
72613		72623		54		
70309		71092		55		
73470		73394		56		
72647		72693		57	275	1,7
73471		73395		58		
72648		72694		59		
70310		71093		60		
72650		72696		61		
72651		72697		62	290	2
72652		72698		63		
72653		72699		64		
70311		71094		65		
72655		73340		66		
72615		72625		67		2,5

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Kg
72656	Cu-Be	72702	Al-Bron	68	320	2,5
72657		72703		69		
70312		71095		70		
72616		72626		71		
72658		72704		72	325	2,7
72659		72705		73		
72660		72706		74		
70313		71096		75		
72662		72708		76		
72617		72627		77	345	3
72663		72709		78		
72664		72710		79		
70314		71097		80		
72665		72711		81		
72666		72712		82	350	3,3
72667		72713		83		
72668		72714		84		
70315		71098		85		
72670		72716		86		
72671		72717		87	375	3,8
72672		73342		88		
72673		72719		89		
70316		71099		90		
72675		72721		92		
72618		72628		94	395	4,5
70317		71100		95		
72661		72669		97	445	5,5
73345		73344		98	405	
70318		71101		100		
71074		71102		105	410	6,5
72645		72646		108	440	7
71075		71103		110		7,5
71076		71104		115		9
71077		71105		120	480	10
71078		71106		125	490	10,8
71079		71107		130	505	11,3
72084		72089		135	530	12,3
72085		72090		140	550	13,2
72086		72091		145	565	13,6
72087		72092		150		14,1
72088		72093		155		
72212		72210		160	595	16
36482		36483		165	650	26
36484		36485		170		25
36486		36487		175		28
36488		36489		180		27

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Kg
74763	Cu-Be	74764	Al-Bron	1/2	125	0,1
72121		72127		5/8	145	
71108		71133		11/16		
71109		71134		3/4		
72674		72676		13/16		
71110		71135		7/8	170	0,2
75400		72303		15/16		
71111		71136		1	180	0,3
71112		71137		1.1/16		
72122		72128		1.1/8	190	0,4
71113		71138		1.3/16		
71114		71139		1.1/4		0,5
75397		71789		1.5/16		
72123		72129		1.3/8	200	
71115		71140		1.13/32		
72301		71791		1.7/16		
72124		72130		1.1/2	225	0,8
75398		71793		1.9/16		
71116		71141		1.5/8		
75406		71794		1.11/16		
72125		72131		1.3/4	235	0,9
71117		71142		1.13/16		
72126		72132		1.7/8	245	1,2
75399		71797		1.15/16		
71118		71143		2		
75401		71798		2.1/16	265	1,4
75402		71799		2.1/8		
72954		71800		2.3/16		
75403		75404		2.13/64		
71119		71144		2.1/4	275	1,7
71120		71145		2.5/16		
71121		71146		2.3/8		
75405		71801		2.7/16		2
71122		71147		2.1/2	290	
71123		71148		2.9/16		
71124		71149		2.5/8	320	2,5
71125		71150		2.3/4		
77258		77259		2.13/16		
71126		71151		2.15/16	325	2,7
71127		71152		3		
71128		71153		3.1/16		3
71129		71154		3.1/8	345	
77260		77261		3.1/4		3,3
71130		71155		3.3/8	350	
76850		76851		3.1/2	375	3,8
71131		71156		3.9/16		
76849		76852		3.5/8		4
71132		71157		3.3/4	395	
74335		75407		3.7/8	405	5,5
75408		75409		3.15/16		
77262		77263		4		
75410		75411		4.1/8	410	6,5

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Kg
74331	Cu-Be	74332	Al-Bron	4.1/4	410	8,5
77264		77265		4.5/16	435	
75412		75413		4.1/2		9
77266		77267		4.9/16		
75414		75415		4.5/8		
75416		75417		4.11/16	475	10
74333		74334		4.7/8	490	10,8
77268		77269		4.15/16		
77270		77271		5.1/8	505	11,3
77272		77273		5.3/8	530	12,2
77274		77275		5.11/16	565	13,6
77276		77277		6		14,1

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75465	Cu-Be	75466	Al-Bron	22	220	500
75467		75468		24		
74122		74123		27	240	650
74124		74125		30	270	900
74126		74127		32		
36395		36411		34	280	1050
74128		74129		36		1000
72992		72993		38	305	1300
36396		36412		40	300	
74130		74131		41		
36397		36413		42	310	1850
36398		36414		43		
36399		36415		44		
36400		36416		45		1900
74132		74133		46		
36401		36417		47		
36402		36418		48	320	2000
74134		74135		50		
36403		36419		54		2200
73593		73594		55		
36404		36420		56		2400
36405		36421		57	350	2900
36406		36422		58		
36407		36423		59		
73595		73596		60		
73597		73598		65	380	3200
36408		36424		67	400	4050
73599		73600		70		4200
73601		73602		75	420	
36409		36425		76	430	5500
36410		36426		78		
73603		73604		80		
73605		73606		85	440	6200
73607		73608		90		
73609		73610		95		7000
73611		73612		100		
36492		36493		105	460	8400
73613		73614		110	440	
36494		36495		115	470	8900
73615		73616		120	440	
36496		36497		125	490	11550
36498		36499		130	520	13200
36500		36501		135		
36502		36503		140		
36504		36505		145	570	15400
36506		36507		150		
36508		36509		155	600	17600

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73653	Cu-Be	73654	Al-Bron	1.1/16	240	650
76823		76824		1.3/16		
73655		73656		1.1/4	270	900
73657		73658		1.7/16		
73659		73660		1.1/2	280	1000
73661		73662		1.5/8	300	1300
73663		73664		1.3/4	310	1700
76825		76826		1.13/16		
73665		73666		1.7/8		
73667		73668		2	320	2000
76827		76828		2.3/16		
73669		73670		2.1/4		
73671		73672		2.3/8	380	2700
73673		73674		2.1/2		
76829		76830		2.9/16		
73675		73676		2.5/8	400	3200
73677		73678		2.3/4		
73679		73680		2.7/8	420	4200
73681		73682		3		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

ESTRELLA DE GOLPE CURVA / *CURVED SLOGGING RING WRENCH* / CLÉ POLYGONALE À FRAPPER COURBEE / *ZUGSCHLAGRINGSCHLÜSSEL, GEBOGEN* / POLIGONALE AD IMPULSO A CURVA / *CHAVE LUNETA CURVA DE PANCADA* / УДАРНЫЙ ИЗОГНУТЫЙ РОЖКОВЫЙ КЛЮЧ

MM

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

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

ESTRELLA DE UNA BOCA / *SINGLE END RING WRENCH* / CLÉ POLYGONALE / *EINRINGSCHLÜSSEL* / POLIGONALE UNA BOCCA / *CHAVE LUNETA DE UMA BOCA* / КЛЮЧ ОДИНАРНАЯ ЗВЕЗДОЧКА

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
73993		73994		8	100	25
73995		73996		10	110	35
73997		73998		12	120	50
76021		76022		13	130	75
73999		74000		14		
77152		77153		15	140	85
74001		74002		16	145	120
74003		74004		17	150	130
74005		74006		18	160	135
74007		74008		19	170	170
74009		74010		20	175	180
74011		74012		21	185	185
74013		74014		22	190	195
76718		76719		23	210	210
74015		74016		24		
76720		76721		25	215	250
76722		76723		26		
74017		74018		27	230	
76724		76725		28		340
76726		76727		29	250	
74019		74020		30		450
74021		74022		32	270	500
76728		76729		33		
74023		74024		34	280	650
77154		77155		35		
74025		74026		36	290	750
76088		76089		37		
74027	Cu-Be	74028	Al-Bron	38	300	850
74029		74030		41	310	950
77158		77159		42	320	
74031		74032		45		1200
74033		74034		46	330	1250
77160		77161		47	340	
74035		74036		48		1400
74037		74038		50	350	
77162		77163		52		1500
77164		77165		54		
74039		74040		55	370	1700
74041		74042		56		1750
77166		77167		58		
74043		74044		60	390	1900
77168		77169		63	410	
74045		74046		65		2200
77170		77171		67	430	
74047		74048		70		2600
77172		77173		71	450	
74049		74050		75		3200
77174		77175		77	470	
74051		74052		80		4000
77176		77177		82	490	
74053		74054		85		4400
77178		77179		88	600	4450
77180		77181		90		
77182		77183		94	650	5500
77184		77185		95		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77186		77187		1/2	130	75
77188		77189		9/16		
77190		77191		19/32	140	85
77192		77193		5/8	145	115
77194		77195		11/16	155	
77196		77197		3/4	170	125
77198		77199		25/32		
77200		77201		13/16	190	170
77202		77203		7/8		
77204		77205		15/16	215	210
77206		77207		31/32		
77208		77209		1	230	260
77210		77211		1.1/16		
77212		77213		1.1/8	255	350
77214		77215		1.3/16		
74641		75471		1.1/4	260	450
77216		77217		1.5/16	265	
77218		77219		1.3/8	295	500
74643		75472		1.7/16	300	600
74642		75473		1.1/2	330	850
77220		77221		1.9/16		
74644	Cu-Be	75474	Al-Bron	1.5/8		
77222		77223		1.11/16		
77224		77225		1.3/4	360	1050
74645		75475		1.13/16		1100
77226		77227		1.7/8		
74646		75476		2	400	1400
74647		74648		2.1/16	450	1500
77228		77229		2.1/8		
77230		77231		2.3/16		
77232		77233		2.1/4		
77234		77235		2.5/16	475	1750
77236		77237		2.3/8		
77238		77239		2.7/16		
77240		77241		2.1/2	510	1950
77242		77243		2.9/16		
77244		77245		2.3/4	550	2400
77246		77247		2.15/16	590	2800
77248		77249		3		
77250		77251		3.1/8	620	3900
77252		77253		3.3/8		
77254		77255		3.1/2	650	5500
77256		77257		3.3/4		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ESTRELLA DE UNA BOCA ACODADA / *OFFSET SINGLE END RING WRENCH* / CLÉ POLYGONALE CONTRE COUDÉE / *EINRINGSCHLÜSSEL, GEKRÖPFT* / CHIAVE A GOMITO A STELLA UNA BOCCA / *CHAVE LUNETA BOCA INCLINADA* / КЛЮЧ ИЗОГНУТАЯ ОДИНАРНАЯ ЗВЕЗДОЧКА

MM

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

ESTRELLA DE UNA BOCA CURVA / *CURVED SINGLE END RING WRENCH* / CLÉ POLYGONALE COURBÉE / *EINRINGSCHLÜSSEL, GEBOGEN* / POLIGONALE UNA BOCCA CURVA / *CHAVE LUNETA UMA BOCA CURVA* / КЛЮЧ ИЗОГНУТАЯ ОДИНАРНАЯ ЗВЕЗДОЧКА

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
74056	Cu-Be	74057	Al-Bron	10	120	65
74058		74059		12	160	90
74060		74061		14	150	95
74062		74063		16	175	150
74064		74065		17		
74066		74067		19	200	220
74068		74069		22		
74070		74071		24		320
74072		74073		27		
74074		74075		30	250	550
74076		74077		32		
74078		74079		34	290	600
74080		74081		36		
74082		74083		38	300	800
74084		74085		41		
74086		74087		46	340	1000
74088		74089		50		1250
74378		74379		51		
74090		74091		55	370	2000
74092		74093		60	400	2400
74094		74095		65	430	2500
74096		74097		70	450	3500
74098		74099		75	470	3900
74100		74101		80	490	4200

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
74162	Cu-Be	74163	Al-Bron	6	110	60
74164		74165		8	120	75
74166		74167		9	140	90
74168		74169		10		100
74170		74171		11	160	120
74172		74173		12	190	170
74174		74175		13	200	180
74176		74177		14	250	270
74178		74179		16		300
74180		74181		17	300	380
74182		74183		19	350	700
74184		74185		22	400	950
74186		74187		24	500	1200

DE VASO CUADRADA / *SQUARE SOCKET* / CLÉ À DOUILLE CARRÉE / *QUADRATISCHE EINSATZ* / BUSSOLA QUADRATA / *CHAVE DE CAIXA QUADRADA* / ГОЛОВКА С ВНУТРЕННИМ КВАДРАТОМ

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
74189	Cu-Be	74190	Al-Bron	3/8	155	180

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

1/4"

INCH

COD.	MAT.	COD.	MAT.	AF inch	AF inch	g
79971	Cu-Be	79972	Al-Bron	1/4	1/4	20
79973		79974		5/16		25

3/8"

MM

COD.	MAT.	COD.	MAT.	AF mm	AF inch	g
72524	Cu-Be	72525	Al-Bron	14	3/8	50

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	AF inch	g
35728	Cu-Be	35729	Al-Bron	3/8	35	3/8	50
74814		74815		7/16			
74816		74817		1/2			
72541		72542		9/16			
72543		72544		5/8	37		
72545		72546		11/16	38		
36240		36241		3/4	40		55
72547		72548		7/8	43		
35862		77781		1.1/16	50		75

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	AF inch	g
72549	Cu-Be	72550	Al-Bron	1.1/8	50	3/8	75
72551		72552		1.1/4	55		90
72553		72554		1.3/8			
72555		72556		1.1/2	60		125
72557		72558		1.11/16	65		160
72559		72560		1.7/8	70		170
72561		72562		2	75		175
72563		72564		2.1/4	80		190

1/2"

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	AF inch	g
72565	Cu-Be	72566	Al-Bron	14	40	1/2	55
72567		72568		16	45		60
72569		72570		17			
72571		72572		19	50		100
72573		72574		20			
72575		72576		22			105
36336		36337		24	55		125
72577		72578		25			
72579		72580		27	60		130
72581		72582		28			135
36338		36339		30	63		215

EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

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

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
73688	Cu-Be	73689	Al-Bron	24	200	900
73472		73396		27		
70957		70982		30		
70958		70983		32	220	
77368		77369		33	230	
70959		70984		34		
70960		70985		35		
70961		70986		36		
70962		70987		37		
70963		70988		38	250	1200
70964		70989		41		
70965		70990		42		
70966		70991		46	270	1600
70967		70992		47		
70968		70993		50	280	1700
70969		70994		52		
70970		70995		54	290	1800
70971		70996		55		
70972		70997		56		
70973		70998		58	310	2000
70974		70999		60		
70975		71000		63	320	2200
70976		71001		65		
70977		71002		67		
70978		71003		70	330	2700
70979		71004		71		
70980		71005		75	340	3300
70981		71006		77		
77370		77371		80	380	4900
77372		77373		82		
77374		77375		85		

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77376	Cu-Be	77377	Al-Bron	1.3/16	200	900
77378		77379		1.1/4	230	
77380		77381		1.5/16		
77382		77383		1.3/8	240	
77384		77385		1.7/16		
77386		77387		1.1/2	260	1000
77388		77389		1.9/16		
77390		77391		1.5/8		
77392		77393		1.11/16		
77394		77395		1.3/4	280	1500
77396		77397		1.13/16		
77398		77399		1.7/8		
77400		77401		2	290	1600
77402		77403		2.1/16	300	1700
77404		77405		2.1/8		
77406		77407		2.3/16		1800
77408		77409		2.1/4		
77410		77411		2.5/16	345	2800
77412		77413		2.3/8		
77414		77415		2.7/16		
77416		77417		2.1/2	355	3200
77418		77419		2.9/16		
77420		77421		2.5/8		
77422		77423		2.3/4	365	3700
77424		77425		2.13/16		
77426		77427		2.15/16	375	4100
77428		77429		3		
77430		77431		3.1/8	385	4900
77432		77433		3.1/4		
77434		77435		3.3/8		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE FIJA DE EXTENSION / *OPEN-END WRENCH FOR EXTENSION* / CLÉ À FOURCHE À RALLONGE / *ZUGMAULSCHLÜSSEL* / CHIAVE FISSA A ESTENSIONE / *CHAVE DE BOCA COM EXTENSÃO* / ГАЕЧНЫЙ КЛЮЧ С РУКОЯТКОЙ ПОД УДЛИННИТЕЛЬ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
36350	Cu-Be	36368	Al-Bron	22	200	410
36351		36369		24	230	460
36352		36370		27	260	540
36353		36371		30	280	660
36354		36372		32	300	810
36355		36373		36	330	950
36356		36374		41	350	1120
36357		36375		46	380	1550
36358		36376		50	400	1810

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
36359	Cu-Be	36377	Al-Bron	7/8"	200	410
36360		36378		15/16"	230	460
36361		36379		1.1/16"	260	540
36362		36380		1.3/16"	280	660
36363		36381		1.1/4"	300	810
36364		36382		1.7/16"	330	950
36365		36383		1.5/8"	350	1120
36366		36384		1.13/16"	380	1550
36367		36385		2"	400	1810

EXTENSIÓN PARA LLAVE ESTRELLA ACODADA Y LLAVE FIJA / *EXTENSION FOR OFFSET RING SPANNER AND OPEN-END WRENCHES* / RALLONGE POUR CLÉS POLYGONALE CONTRE-COUDÉE À FOURCHE / *VERLÄNGERUNG FÜR RINGSCHLÜSSEL* / ESTENSIONE PER CHIAVE POLIGONALE ANGOLATA E CHIAVE FISSA / *EXTENSÃO PARA CHAVE LUNETA E CHAVE DE BOCA* / УДЛИНИТЕЛЬ ДЛЯ КЛЮЧА ИЗОГНУТАЯ ЗВЕЗДОЧКА

COD.	MAT.	AF mm	AF inch	L (mm)	O.D. mm	g
72612	Latón / *Brass* / Laiton	22-30	1.3/16	460	19	800
72605		32-42	1.1/4-1.11/16	610	22	900
72606		46-58	1.3/4-2.5/16	760	25	1600
72607		60-85	2.3/8-3.3/8	860	30	2500

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

FIJA DE UNA BOCA / *SINGLE ENDED OPEN JAW SPANNER* / À FOURCHE / *EINMAULSCHLÜSSEL* / FISSE SEMPLICE / *FIXA DE UMA BOCA* / РОЖКОВЫЙ КЛЮЧ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
75385		75386		5	75	30
70259		70936		6	85	40
70260		70937		7		
70261		70938		8	90	
70262		70939		9	100	50
70263		70940		10		
70264		70941		11	105	
72939		71807		12	110	
72940		71808		13	120	
70265		70942		14	125	
72941		71809		15	130	
72942		71810		16	135	
70266		70943		17	145	
72943		71811		18	150	
70267		70944		19	155	
72944		71812		20	165	70
72945		71813		21	170	85
70268		70945		22	180	100
72946		71814		23	190	150
70269		70946		24	195	200
72947		71815		25	210	
72948		71816		26	220	
70270		70947		27		
72949		71817		28	230	250
72950		71818		29	240	270
70271	Cu-Be	70948	Al-Bron	30	250	300
72955		72911		31	260	
70272		70949		32	270	
75387		75388		34	290	400
70273		70950		36	300	
74403		74404		37	310	490
75389		75390		38		
74344		74345		39	320	500
73300		73305		40		
70274		70951		41		
74346		73306		42	340	550
73302		73307		44	350	850
75391		75392		45		900
70275		70952		46		1000
73303		73308		48	370	1200
70276		70953		50		
73304		73309		52	400	1400
77000		77001		54		
70277		70954		55		
77002		77003		56	420	1800
77004		77005		58		
70278		70955		60		2100
77006		77007		63	450	
70279		70956		65		
77008		77009		67		3000
75393		75394		70	550	3200

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
77010	Cu-Be	77011	Al-Bron	71	550	3400
75395		75396		75	600	3500
77012		77013		77		4000
77014		77015		80		5000
77016		77017		82		
77018		77019		85		5500
77020		77021		88		5800
77022		77023		90		
77024		77025		94		5900
77026		77027		95		
77028		77029		100		6000

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

INCH

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
77030	Cu-Be	77031	Al-Bron	5/16	90	20
77032		77033		3/8	100	35
77034		77035		13/32		
77036		77037		7/16	105	
77038		77039		1/2	125	55
77040		77041		9/16		
77042		77043		19/32	140	95
77044		77045		5/8		
77046		77047		11/16		
77048		77049		3/4	155	110
77050		77051		25/32	170	185
77052		77053		13/16		
77054		77055		7/8	180	200
77056		77057		15/16	195	220
77058		77059		31/32		
77060		77061		1	225	310
77062		77063		1.1/16		
77064		77065		1.1/8	255	420
77066		77067		1.3/16		
77068		77069		1.1/4	275	560
77070		77071		1.5/16		
77072		77073		1.3/8	300	850
77074		77075		1.7/16		
77076		77077		1.1/2	325	1000
77078		77079		1.9/16		
77080		77081		1.5/8		
77082		77083		1.11/16	350	1100
77084		77085		1.3/4		
77086		77087		1.13/16		1200
77088		77089		1.7/8	375	1450
77090		77091		2		
77092		77093		2.1/16	400	1800
77094		77095		2.1/8		
76751		76752		2.3/16		
77096		77097		2.1/4		
77098		77099		2.5/16	425	2300
77100		77101		2.3/8		
77102		77103		2.7/16		
77104		77105		2.1/2	450	3050
77106		77107		2.9/16		
77108		77109		2.5/8		
76753		76754		2.3/4	475	3400
77110		77111		2.13/16	500	
77112		77113		2.15/16		4150
77114		77115		3		
77116		77117		3.1/8	525	5100
77118		77119		3.1/4		
77120		77121		3.3/8	545	5600
77122		77123		3.1/2	555	5850
77124		77125		3.5/8		
77126		77127		3.3/4	560	6000
77128		77129		3.7/8	565	6100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

FIJA DE UNA BOCA CURVA / *BENT SINGLE OPEN END* / CLE À FOURCHE COUDÉE / *GEBOGEN MAUL* / FISSA AD UNA BOCCA CURVA / *FIXA DE UMA BOCA CURVA* / ИЗОГНУТЫЙ РОЖКОВЫЙ

MM

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

INCH

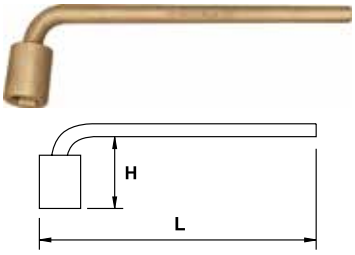
COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
36285	Cu-Be	36290	Al-Bron	1/4	90	50
36286		36291		5/16	100	
36287		36292		1/2	120	55
36510		36511		9/16	130	85
36288		36293		5/8	170	120
36512		36513		3/4	190	175
36514		36515		7/8	210	240
36516		36517		15/16		245
36518		36519		1	230	365
36520		36521		1.1/16		
36289		36294		1.1/8	250	470
36522		36523		1.3/16		480
36524		36525		1.1/4	270	565
36526		36527		1.3/8	280	690
36528		36529		1.7/16	290	815
36530		36531		1.1/2	310	1050
36532		36533		1.5/8		
36534		36535		1.3/4	330	1280
36536		36537		1.13/16		
36538		36539		2	350	1550
36540		36541		2.1/8	370	2050

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

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

MM

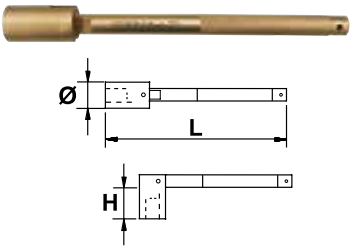


COD.	MAT.	COD.	MAT.	AF mm	L (mm)	H (mm)	g
75489	Cu-Be	75490	Al-Bron	6	120	29	100
75491		75492		7	130	30	120
70417		71361		8	145	33	140
70418		71362		9	155	37	180
73312		73319		10	170		190
70419		71363		11	190	39	210
73313		73320		12	210	42	
73314		73321		13	240	45	240
70420		71364		14			290
73315		73322		15	250	48	330
73316		73323		16			450
70421		71365		17	260	50	500
75493		75494		18		55	
70422		71366		19	270		550
75495		75496		20			
75497		75498		21			700
70423		71367		22	280	60	
75499		75500		23			750
70424		71368		24	290	65	800
75501		75502		25			
75503		75504		26		70	850
70425		71369		27			
75505		75506		28			
75507		75508		29	300	75	950
73317		73324		30			
73318		73325		32	310	80	1100
75509		75510		33	320	85	
75511		75512		34			
75513		75514		35	330		1200
72916		72914		36			
75515		75516		37			
75517		75518		38	350	90	
72917		72915		41			1300
75519		75520		42			
75521		75522		46	360	95	1700
75523		75524		47			
75525		75526		50	370		2000
77610		77611		52	380		2300
77612		77613		54			
75527		75528		55			
77614		77615		56		100	2600
77616		77617		58			
75529		75530		60			
77618		77619		63			2700
75531		75532		65			
77620		77621		67	390	105	3000
75533		75534		70			
77622		77623		71		110	4100
77624		77625		75			4400
77626		77627		77			4600
77628		77629		80	430	120	4800
77630		77631		82			6800

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

SCAFFOLD

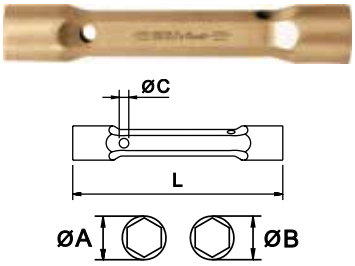
COD.	MAT.	COD.	MAT.	AF mm	O.D. mm	L (mm)	H (mm)	g
79819	Cu-Be	79820	Al-Bron	22	33	300	40	600



DE TUBO DOBLE BOCA / *SOCKET DOUBLE ENDED* / CLÉ À TUBE FORGÉE DROITE / *DOPPEL-STECKSCHLÜSSEL* / CHIAVI A TUBO / *DIRITTE TUBOLARES BOCA DUPLA* / ДВОЙНАЯ ГОЛОВКА

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	B (mm)	Ø C (mm)	g
74728	Cu-Be	74729	Al-Bron	6-7	100	11	13	4	85
74730		74731		8-9	110	14	16		100
74732		74733		10-11	115	17	18		125
74734		74735		12-13	125	19	20	6	185
74736		74737		14-15	130	22	23	8	290
74738		74739		16-17	140	24	26	11	510
74740		74741		18-19	150	27	29		570
74742		74743		20-22	155	30	33	12	710
74744		74745		21-23	165	31	34		750
74746		74747		24-26	180	35	37	13	970
74748		74749		25-28	190	36	40		1050
74750		74751		27-29		39	42		1100
74827		74828		30-36	200	43	50		1400



BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

LLAVE DE VASO EN T SIN PASADOR / *T-SOCKET WRENCH WITHOUT BAR* / DOUILLE EN T SANS GOUPILLE / *T-STECKSCHLÜSSEL OHNE STAB* / CHIAVI A T ESAGONALI SENZA PERNO / *CHAVE DE CAIXA EM T SEM EXTENSOR* / КЛЮЧ С Т-ОБРАЗНОЙ ГОЛОВКОЙ ИСКРОБЕЗОПАСНЫЙ БЕЗ ВОРОТКА

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
77632	Cu-Be	77633	Al-Bron	8	130	90
77634		77635		9		95
77636		77637		10	150	105
77638		77639		11		120
77640		77641		12	160	140
77642		77643		13		150
77644		77645		14	170	170
77646		77647		15		
77648		77649		16	190	190
77650		77651		17		
77652		77653		18	210	320
77654		77655		19		370
77656		77657		20		400
77658		77659		21	240	470
77660		77661		22		500
77662		77663		23		600
77664		77665		24	270	700
77666		77667		25		750
77668		77669		26		800
77670		77671		27		850
77672		77673		28		900
77674		77675		29	280	950
77676		77677		30		
77678		77679		32		1050
77680		77681		33		1100
77682		77683		34		1200
77684		77685		35		1350
77686		77687		36		1450
77688		77689		37		1500
77690		77691		38		1650
77692		77693		41	285	1950
77694		77695		42		2150
77696		77697		46	300	2300
77698		77699		47		2450
77700		77701		50	320	3350
77702		77703		52		3400
77704		77705		54	340	3500
77706		77707		55		3550
77708		77709		56		
77710		77711		58	360	4100
77712		77713		60		4400
77714		77715		63	380	4850
77716		77717		65		5150
77718		77719		67		5450
77720		77721		70		5900
77722		77723		71		
77724		77725		75	400	6450
77726		77727		77		6700
77728		77729		80		6850
77730		77731		82		7100
77732		77733		85	420	7500
77734		77735		88		7750
77736		77737		90		9000
77738		77739		94	450	9200
77740		77741		95		
77742		77743		100		9250

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

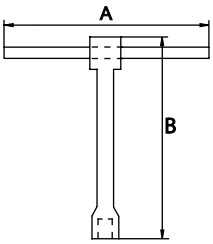
PASADOR PARA LLAVE DE VASO EN "T" / *BAR FOR THE T-SOCKET WRENCH* / GOUPILLE POUR DOUILLE EN "T" / *QUERSTAB FÜR "T" STECK-SCHLÜSSEL* / PIN PER CHIAVE A BUSSOLA A T / *EXTENSOR PARA CHAVE DE CAIXA EM T* / ВОРОТОК ДЛЯ "T"-ОБРАЗНОГО КЛЮЧА

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	O.D. mm	g
77744	Cu-Be	77745	Al-Bron	8	120	7	35
77746		77747		9-10	130	8	50
77748		77749		11-12	140		55
77750		77751		13-15	150	9	75
77752		77753		16-18	170	10	100
77754		77755		19-20	180		105
77756		77757		21-22	190	12	165
77758		77759		23-28	200	13	210
77760		77761		29-34		16	320
77762		77763		35-37		18	400
77764		77765		38-42	300	20	750
77766		77767		46-47	350		850
77768		77769		50-56	450	25	1700
77770		77771		58-77	500	28	2400
77772		77773		80-85		32	3150
77774		77775		88-100	600	36	4800

LLAVE DE VASO EN "T" / *T-SOCKET WRENCH* / DOUILLE EN "T" / *T-STECKSCHLÜSSEL* / CHIAVE A T POLIGONALE / *CHAVE DE CAIXA EM T* / ГОЛОВКА С Т-ОБРАЗНОЙ РУКОЯТКОЙ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	B (mm)	g
71370	Cu-Be	71381	Al-Bron	9	130	130	130	145
71371		71382		11	150	140	150	190
71372		71383		14	170	150	170	250
71373		71384		17	190	170	190	420
71374		71385		19	210	180	210	500
71375		71386		22	240	190	240	700
71376		71387		24	270	200	270	750
71377		71388		27				
71378		71389		30	280		280	900
71379		71390		32				
72096		72097		36				950
71380		71391		38				1000

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE EN "T" / *"T" OPEN END WRENCH* / CLÉ EN "T" / *T-MAULSCHLÜSSEL* / CHIAVE FISSA E T / *CHAVE FIXA EM T* / РОЖКОВЫЙ КЛЮЧ С Т-ОБРАЗНОЙ РУКОЯТКОЙ

MM

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	g
73951	Cu-Be	73952	Al-Bron	8	210	130
73953		73954		10		140
73955		73956		12		145
73957		73958		14		450

HEXAGONAL EN "T" / *"T" HEXAGONAL WRENCH* / CLÉ HEXAGONALE EN "T" / *T-HEX SCHLÜSSEL* / CHIAVE ESAGONALE A T / *CHAVE HEXAGONAL EM T* / ШЕСТИГРАННИК С Т-ОБРАЗНОЙ РУКОЯТКОЙ

MM

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

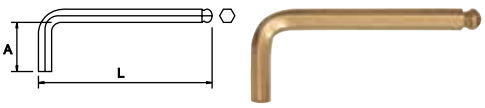
EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

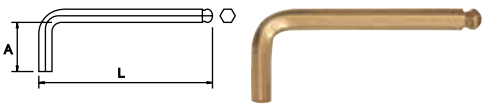
STANDARD

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	g
36605	Cu-Be	36607	Al-Bron	1,5	47	14	3
75553		75554		2	50	16	7
36606		36608		2,5	60	18	
72177		72184		3	65	20	11
72178		72185		4	70	25	14
72179		72186		5	80	28	43
72180		72187		6	90	32	45
75555		75556		7	95	34	
72181		72188		8	100	36	
75557		75558		9	105	38	60
72182		72189		10	110	40	80
75559		75560		11	120	42	100
72183		72190		12	125	45	130

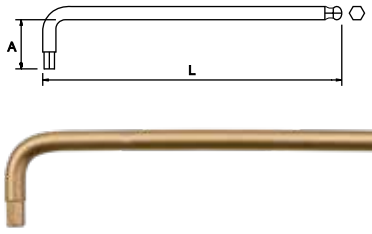
INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	A (mm)	g
36250	Cu-Be	36251	Al-Bron	1/8	65	20	11
36252		36253		5/32	75	25	14
36254		36255		3/16	85	28	41
36256		36257		7/32	95	32	43
36258		36259		1/4	100	34	
36260		36261		5/16	110	36	
36262		36263		3/8	120	40	75

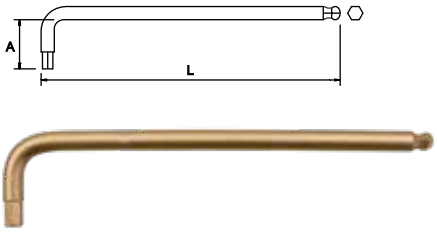
SERIE LARGA / *LONG PATTERN* / SÉRIE LONGUE / *LANGE SCHNKEL* / SERIE LUNGA / *SERIE LONGA* / ДЛИННЫЕ

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	g
77562	Cu-Be	77563	Al-Bron	2	100	16	15
70410		71354		3	130	20	21
70411		71355		4	145	25	25
70412		71356		5	160	28	43
70413		71357		6	180	32	60
77566		77567		7	195	34	90
70414		71358		8	210	36	150
77568		77569		9	220	38	200
70415		71359		10	240	40	250
70416		71360		12	270	45	440

INCH



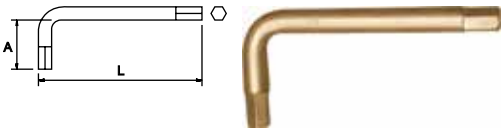
COD.	MAT.	COD.	MAT.	AF inch	L (mm)	A (mm)	g
36264	Cu-Be	36265	Al-Bron	1/8	130	20	21
36266		36267		5/32	145	25	25
36268		36269		3/16	160	28	43
36270		36271		7/32	180	32	60
36272		36273		1/4	195	34	90
36274		36275		5/16	210	36	150
36276		36277		3/8	240	40	250

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

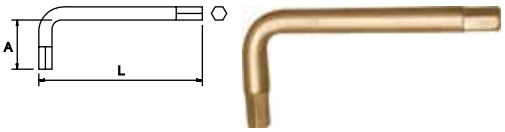
STANDARD

MM



COD.	MAT.	COD.	MAT.	AF mm	L (mm)	A (mm)	g
72239	Cu-Be	72238	Al-Bron	1,5	47	14	6,5
70391		71287		2	52	16	
72929		72928		2,5	60	18	8,5
70392		71288		3	65	20	11
70393		71289		4	75	25	14
70394		71290		5	85	28	41
74357		74358		5,5		26	
70395		71291		6	95	32	43
70396		71292		7	100	34	
70397		71293		8	110	36	
70398		71294		9	115	38	55
70399		71295		10	120	40	75
72241		72240		11	130	42	95
70400		71296		12	140	45	120
72243		72242		13	145	50	152
70401		71297		14	155	55	190
74629		74634		15	160	60	230
72931		72930		16	170		270
70402		71298		17	175	65	320
72245		72244		18	190		380
70403		71299		19	200	70	450
74630		74631		20	205	75	540
74632		74633		21	215		600
70404		71300		22	220	80	690
75228		75229		23	240	85	790
70405		71301		24	250	90	910
75230		75231		25	255	95	1020
75232		75233		26	265		1150
70406		71302		27	275	100	1300
75234		75235		28	290	110	1500
75236		75237		29	300	115	1600
75238		75239		30	310	120	1800
70407		71303		32	350	125	2300
70408		71304		36	400	140	3200
70409		71305		41	430	150	4600

INCH



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	A (mm)	g
75537	Cu-Be	75538	Al-Bron	1/16	47	14	6,5
72933		72932		5/64	52	16	
72935		72934		3/32	58	18	8,5
75539		75540		7/64	66	20	11
71306		71330		1/8			
71307		71331		9/64	75	25	14
71308		71332		5/32			
71309		71333		3/16	85	28	41
71310		71334		7/32	95	32	43
71311		71335		1/4	100	34	
75541		75542		9/32			
71312		71336		5/16			
75543		75544		11/32	110	36	
71313		71337		3/8	115	38	55
71314		71338		7/16	130	42	95
71315		71339		1/2	140	45	120
71316		71340		9/16	155	55	190
71317		71341		5/8	160	60	230
71318		71342		11/16	175	65	320
71319		71343		3/4	200	70	450
75545		75546		13/16	210	75	540
71320		71344		7/8	220	80	690
75547		75548		15/16	240	85	790
71321		71345		1	255	95	1020
71322		71346		1.1/16	265		1200
71323		71347		1.1/8	290	110	1500
75549		75550		1.3/16	310	120	1800
71324		71348		1.1/4	350	125	2300
71325		71349		1.5/16	400	140	3200
71326		71350		1.3/8			
71327		71351		1.7/16			
71328		71352		1.1/2	430	150	4600
71329		71353		1.5/8			

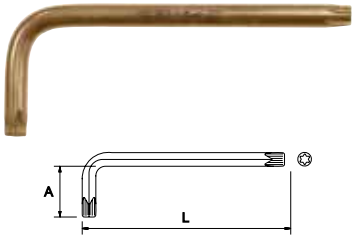
SET

COD.	MAT.	PCS.	COD. PCS.	mm	g
74352	Cu-Be	10	72239, 70391, 72929, 70392, 70393, 70394, 74357, 70395, 70397, 70399	1,5-2-2,5-3-4-5-5,5-6-8-10	370
74353	Al-Bron		72238, 71287, 72928, 71288, 71289, 71290, 74358, 71291, 71293, 71295		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

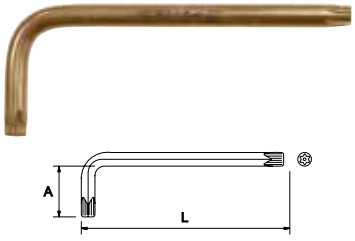
TORX®*

COD.	MAT.	COD.	MAT.		L (mm)	A (mm)	g
35830	Cu-Be	35831	Al-Bron	T6	42	16	8
35832		35833		T7	48		
35834		35835		T8			
35836		35837		T9			
76134		76135		T10	51	17	
76136		76137		T15	54	18	10
76138		76139		T20	57	20	13
76140		76141		T25	60		17
76133		76144		T27	64	21	20
76142		76143		T30	70	24	30
36428		36429		T40	76	26	40



TAMPER TORX

COD.	MAT.	COD.	MAT.		L (mm)	A (mm)	g
36430	Cu-Be	36431	Al-Bron	TT8	42	16	6,5
36432		36433		TT9			
35774		35775		TT10	51	17	
35776		35777		TT15	54	18	9
35778		35779		TT20	57	20	12
35780		35781		TT25	60		15
35782		35783		TT27	64	21	18
35784		35785		TT30	70	24	28
35786		35787		TT40	76	26	38



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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	N.m	g
72171	Cu-Be	72174	Al-Bron	3/8	310	100	600
72172		72175		1/2	490	300	1250
72173		72176		3/4	560	500	1700

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	6%

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	N.m	g
74810	Cu-Be	74806	Al-Bron	3/8	360	10-50	950
74821		74871		1/2	500	40-200	1300
74823		74874			600	60-260	1450
75267		75274		3/4	1050	150-670	5700
74879		74884		1	1250	200-900	10000

12M

ESPECIFICACIONES TÉCNICAS / *TECHNICAL SPECIFICATION* / DÉTAILS TECHNIQUES	
Precisión / *Accuracy* / Précision	6%

* *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

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

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

1/4"

STANDARD

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78981	Cu-Be	78982	Al-Bron	3	25	6	10
71909		71930		4			
75562		75563		4,5			
71910		71931		5			
75551		75552		5,5			
71911		71932		6			12
71912		71933		7			
71913		71934		8			15
71914		71935		9			
71915		71936		10			20
71916		71937		11			
71917		71938		12	26		25
71918		71939		13			
71919		71940		14			30
75564		75565		15	27		
75566		75567		16			
75568		75569		17			35
75570		75571		18			
75572		75573		19			

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
74406	Cu-Be	74427	Al-Bron	4	25	12	10
75576		75577		4,5			
74407		74428		5			
75578		75579		5,5			12
74408		74429		6			
74409		74430		7			15
74410		74431		8			
74411		74432		9			20
74412		74433		10			
74413		74434		11			25
74414		74435		12	26		
74415		74436		13			30
74416		74437		14			
75580		75581		15	27		35
75582		75583		16			
75584		75585		17			
75586		75587		18			
75588		75589		19			

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75574	Cu-Be	75575	Al-Bron	5/32	25	6	10
71920		71941		3/16			
71921		71942		7/32			
71922		71943		1/4			
71923		71944		9/32			15
71924		71945		5/16			
71925		71946		11/32	28		20
71926		71947		3/8			
71927		71948		7/16			25
71928		71949		1/2			
71929		71950		9/16			

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75590	Cu-Be	75591	Al-Bron	5/32	25	12	10
74417		74438		3/16			
74418		74439		7/32			
74419		74440		1/4			
74420		74441		9/32			15
74421		74442		5/16			
74422		74443		11/32	28		20
74423		74444		3/8			
74424		74445		7/16			25
74425		74446		1/2			
74426		74447		9/16			

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/4"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
36725	Cu-Be	36726	Al-Bron	3	50	6	38
78741		78742		4			
78743		78744		4,5			
78745		78746		5			
78747		78748		5,5			
78749		78750		6			
78751		78752		7			40
78753		78754		8			44
78755		78756		9			47
78757		78758		10			
78759		78760		11			50
78761		78762		12			
78763		78764		13			55
78765		78766		14			60
78767		78768		15			70
78769		78770		16			80
78771		78772		17			85
78773		78774		18			95
78775		78776		19			

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78799	Cu-Be	78800	Al-Bron	4	50	12	38
78801		78802		4,5			
78803		78804		5			
78805		78806		5,5			
78807		78808		6			
78809		78810		7			
78811		78812		8			40
78813		78814		9			44
78815		78816		10			47
78817		78818		11			
78819		78820		12			50
78821		78822		13			
78823		78824		14			55
78825		78826		15			60
78827		78828		16			70
78829		78830		17			80
78831		78832		18			85
78833		78834		19			95

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78777	Cu-Be	78778	Al-Bron	5/32	50	6	38
78779		78780		3/16			
78781		78782		7/32			
78783		78784		1/4			
78785		78786		9/32			
78787		78788		5/16			40
78789		78790		11/32			44
78791		78792		3/8			47
78793		78794		7/16			50
78795		78796		1/2			
78797		78798		9/16			55

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78835	Cu-Be	78836	Al-Bron	5/32	50	12	38
78837		78838		3/16			
78839		78840		7/32			
78841		78842		1/4			
78843		78844		9/32			
78845		78846		5/16			40
78847		78848		11/32			44
78849		78850		3/8			47
78851		78852		7/16			50
78853		78854		1/2			
78855		78856		9/16			55

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/4"

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
71955	Cu-Be	71956	Al-Bron	1/4	130	400

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
71959	Cu-Be	71961	Al-Bron	1/4	4	200
71960		71962			8	400

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73722	Cu-Be	73723	Al-Bron	1/4	200	350

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

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
71957	Cu-Be	71958	Al-Bron	1/4	10	250

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
71953	Cu-Be	71954	Al-Bron	1/4	55	150

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

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
75718	Cu-Be	75719	Al-Bron	1/4-3/8	20
71951		71952		1/4-1/2	100

PUNTA HEXAGONAL CON VASO / *HEX BIT SOCKET* / EMBOUT HEXAGONAL À DOUILLE / *HEX SCHRAUBENDREHEREINSATZ* / PUNTA ESAGONALE CON BUSSOLA / *PONTA HEXAGONAL COM CHAVE DE CAIXA* / ШЕСТИГРАННАЯ ГОЛОВКА

COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
73692	Cu-Be	73693	Al-Bron	1/4	3	55	20
73694		73695			4		
73696		73697			5		
73698		73699			6		25
73700		73701			7		30
73702		73703			8	65	40
73704		73705			9		55
73706		73707			10		60

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/4"

PUNTA HEXAGONAL CON VASO SERIE LARGA / *HEX BIT SOCKET LARGE SERIE* / EMBOUT HEXAGONAL À DOUILLE LONGUES SÉRIES / *SECHSKANT-BIT-STECKSCHLÜSSEL GROSSE SERIE* / PUNTA ESAGONALE CON BUSSOLA SERIE LUNGA / *PONTA HEXAGONAL COM CHAVE DE CAIXA LONGA* / ГОЛОВКА-БИТ ШЕСТИГРАННАЯ ВЫСОКАЯ

COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36610	Cu-Be	36618	Al-Bron	1/4"	3	55	21
36611		36619			4		28
36612		36620			5		35
36613		36621			6		44
36614		36622			7		50
36615		36623			8	65	80
36616		36624			9		110
36617		36625			10		

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	mm	g
73731	Cu-Be	73732	Al-Bron	1/4	195	55	60

BMAT

EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

3/8"

STANDARD

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75592	Cu-Be	75593	Al-Bron	5	28	6	20
75594		75595		5,5			
75596		75597		6			
75598		75599		7			
75600		75601		8			
75602		75603		9			
75604		75605		10	32		35
75606		75607		11			
75608		75609		12			40
75610		75611		13			
75612		75613		14			
75614		75615		15			45
75616		75617		16			
75618		75619		17			55
75620		75621		19			60
75622		75623		20			

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75646	Cu-Be	75647	Al-Bron	5	28	12	20
75648		75649		5,5			
75650		75651		6			
75652		75653		7			
75654		75655		8			
75656		75657		9			
75658		75659		10	32		35
75660		75661		11			
75662		75663		12			40
75664		75665		13			
75666		75667		14			
75668		75669		15			45
75670		75671		16			
75672		75673		17			55
75674		75675		19			60
75676		75677		20			

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75624	Cu-Be	75625	Al-Bron	5/16	32	6	20
75626		75627		3/8			30
75628		75629		7/16			35
75630		75631		1/2			40
75632		75633		9/16			45
75634		75635		5/8	35		65
75636		75637		11/16			70
75638		75639		3/4			75
75640		75641		13/16			80
75642		75643		7/8			85
75644		75645		15/16			100

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75678	Cu-Be	75679	Al-Bron	5/16	32	12	20
75680		75681		3/8			30
75682		75683		7/16			35
75684		75685		1/2			40
75686		75687		9/16			45
75688		75689		5/8	35		65
75690		75691		11/16			70
75692		75693		3/4			75
75694		75695		13/16			80
75696		75697		7/8			85
75698		75699		15/16			100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

3/8"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78857	Cu-Be	78858	Al-Bron	5	60	6	85
78859		78860		5,5			
78861		78862		6			
78863		78864		7			
78865		78866		8			
78867		78868		9			
78869		78870		10			90
78871		78872		11			95
78873		78874		12			100
75966		75967		13			105
78875		78876		14			
78877		78878		15			110
78879		78880		16			115
78881		78882		17			120
78883		78884		19			130
78885		78886		20			135

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78909	Cu-Be	78910	Al-Bron	5	60	12	85
78911		78912		5,5			
78913		78914		6			
78915		78916		7			
78917		78918		8			
78919		78920		9			
78921		78922		10			90
78923		78924		11			95
78925		78926		12			100
78927		78928		13			105
78929		78930		14			
78931		78932		15			110
78933		78934		16			115
78935		78936		17			120
78937		78938		19			130
78939		78940		20			135

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78887	Cu-Be	78888	Al-Bron	5/16	60	6	85
78889		78890		3/8			100
78891		78892		7/16			105
78893		78894		1/2			
78895		78896		9/16			
78897		78898		5/8			115
78899		78900		11/16			125
78901		78902		3/4			130
78903		78904		13/16			145
78905		78906		7/8			155
78907		78908		15/16			190

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78941	Cu-Be	78942	Al-Bron	5/16	60	12	85
78943		78944		3/8			100
78945		78946		7/16			105
78947		78948		1/2			
78949		78950		9/16			
78951		78952		5/8			115
78953		78954		11/16			125
78955		78956		3/4			130
78957		78958		13/16			145
78959		78960		7/8			155
78961		78962		15/16			190

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/8"

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75700	Cu-Be	75701	Al-Bron	3/8	200	400

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
75702	Cu-Be	75703	Al-Bron	3/8	8	400
75704		75705			10	500

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75706	Cu-Be	75707	Al-Bron	3/8	200	350

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

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
75708	Cu-Be	75709	Al-Bron	3/8	10	250

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75710	Cu-Be	75711	Al-Bron	3/8	175	220

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75712	Cu-Be	75713	Al-Bron	3/8	200	300

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
75714	Cu-Be	75715	Al-Bron	3/8	70	150

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

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
75716	Cu-Be	75717	Al-Bron	3/8-1/4	20
75722		75723		3/8-1/2	50

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/8"

PUNTA HEXAGONAL CON VASO / *HEX BIT SOCKET* / EMBOUT HEXAGONAL À DOUILLE / *HEX SCHRAUBENDREHEREINSATZ* / PUNTA ESAGONALE CON BUSSOLA / *PONTA HEXAGONAL COM CHAVE DE CAIXA* / ШЕСТИГРАННАЯ ГОЛОВКА

COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36558	Cu-Be	36566	Al-Bron	3/8"	3	55	55
36559		36567			4		60
36560		36568			5		
36561		36569			6		65
36562		36570			7		70
36563		36571			8	65	85
36564		36572			9		95
36565		36573			10		100

PUNTA HEXAGONAL CON VASO SERIE LARGA / *HEX BIT SOCKET LONG SERIE* / EMBOUT HEXAGONAL À DOUILLE LONGUES SÉRIES / *SECHSKANT-BIT-STECKSCHLÜSSEL GROSSE SERIE* / PUNTA ESAGONALE CON BUSSOLA SERIE LUNGA / *PONTA HEXAGONAL COM CHAVE DE CAIXA LONGA* / ГОЛОВКА-БИТ ШЕСТИГРАННАЯ ВЫСОКАЯ

COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36628	Cu-Be	36636	Al-Bron	3/8"	3	100	60
36629		36637			4		65
36630		36638			5		70
36631		36639			6		80
36632		36640			7		90
36633		36641			8		105
36634		36642			10		135
36635		36643			12		165

EGA Master
ART IN INNOVATION

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 1/2"
- STANDARD
- MM
- 6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
70319		71158		6			
70320		71159		7			60
70321		71160		8			
70322		71161		9			
70323		71162		10			70
70324		71163		11	40		
70325		71164		12			
70326		71165		13			80
70327		71166		14			
70328		71167		15			
70329		71168		16			90
70330		71169		17			
70331		71170		18			
70332		71171		19	42		100
70333	Cu-Be	71172	Al-Bron	20		6	
70334		71173		21			120
70335		71174		22			130
70336		71175		23	43		140
70337		71176		24			170
70338		71177		25			180
70339		71178		26			190
70340		71179		27			
70341		71180		28			
70342		71181		29	46		200
70343		71182		30			
70344		71183		32			
74693		74692		34	50		350
74325		74326		36			400
79211		79212		41	55		590

- 12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
74448		74475		6			
74449		74476		7			60
74450		74477		8			
74451		74478		9			
74452		74479		10			70
74453		74480		11	40		
74454		74481		12			
74455		74482		13			80
74456		74483		14			
74457		74484		15			
74458		74485		16			90
74459		74486		17			
74460		74487		18			
74461		74488		19	42		100
74462	Cu-Be	74489	Al-Bron	20		12	
74463		74490		21			120
74464		74491		22			130
74465		74492		23	43		140
74466		74493		24			170
74467		74494		25			180
74468		74495		26			190
74469		74496		27			
74470		74497		28			
74471		74498		29	46		200
74472		74499		30			
74473		74500		32			
75300		75301		34	50		350
74474		74501		36			450
36452		36453		41	55		590

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 1/2"
- STANDARD
- INCH
- 6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
71184	Cu-Be	71202	Al-Bron	1/4	40	6	60
71185		71203		5/16			
35840		35841		11/32			70
71186		71204		3/8			
71187		71205		7/16			
71188		71206		1/2			80
71189		71207		9/16			
71190		71208		19/32			
71191		71209		5/8			
71192		71210		11/16			90
35842		35843		23/32	42		
71193		71211		3/4			
71194		71212		25/32	43		100
71195		71213		13/16			
71196		71214		7/8			120
35844		35845		29/32			140
71197		71215		15/16			
71198		71216		1			150
71199		71217		1.1/16	46		200
71200		71218		1.1/8			
77788		77789		1.3/16			250
71201		71219		1.1/4	47		
74882		74883		1.7/16			300
78983		78984		1.1/2	55		

- 12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
74502	Cu-Be	74520	Al-Bron	1/4	40	12	60
74503		74521		5/16			
35850		35851		11/32			70
74504		74522		3/8			
74505		74523		7/16			
74506		74524		1/2			80
74507		74525		9/16			
74508		74526		19/32			
74509		74527		5/8			
74510		74528		11/16			90
35852		35853		23/32	42		
74511		74529		3/4			
74512		74530		25/32	43		100
74513		74531		13/16			
74514		74532		7/8			120
35854		35855		29/32			140
74515		74533		15/16			
74516		74534		1			150
74517		74535		1.1/16	46		200
74518		74536		1.1/8			
77790		77791		1.3/16			250
74519		74537		1.1/4	47		
75302		75304		1.7/16			300
36446		36447		1.1/2	55		

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

- 1/2"
- SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ
- MM
- 6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35000		35001		6			
35002		35003		7			
35004		35005		8			
35006		35007		9			
35008		35009		10			
35010		35011		11			190
35012		35013		12			
74284		74285		13			
35014		35015		14			
35016		35017		15			
74294		74295		16			
74286		74287		17			
35018		35019		18			195
74288		74289		19			200
35020	Cu-Be	35021	Al-Bron	20	82	6	230
35022		35023		21			240
35024		35025		22			260
35026		35027		23			280
74290		74291		24			300
35028		35029		25			320
35030		35031		26			340
74292		74293		27			360
35032		35033		28			390
35034		35035		29			410
35036		35037		30			430
35038		35039		32			500
35040		35041		34			550
35042		35043		36			650
36450		36451		41			980

- 12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35084		35085		6			
35086		35087		7			
35088		35089		8			
35090		35091		9			
35092		35093		10			
35094		35095		11			190
35096		35097		12			
35098		35099		13			
35100		35101		14			
35102		35103		15			
35104		35105		16			
35106		35107		17			
35108		35109		18			195
35110		35111		19			200
35112	Cu-Be	35113	Al-Bron	20	82	12	230
35114		35115		21			240
35116		35117		22			260
35118		35119		23			280
35120		35121		24			300
35122		35123		25			320
35124		35125		26			340
35126		35127		27			360
35128		35129		28			390
35130		35131		29			410
35132		35133		30			430
35134		35135		32			500
35136		35137		34			550
35138		35139		36			650
36454		36455		41			980

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35044		35045		1/4			
35046		35047		5/16			
35048		35049		3/8			
35050		35051		7/16			
35052		35053		1/2			190
35054		35055		9/16			
35056		35057		19/32			
35058		35059		5/8			
35060		35061		11/16			
35062		35063		3/4			200
35064	Cu-Be	35065	Al-Bron	25/32	82	6	230
35066		35067		13/16			240
35068		35069		7/8			260
35070		35071		15/16			300
35072		35073		1			320
35074		35075		1.1/16			360
35076		35077		1.1/8			410
35078		35079		1.3/16			430
35080		35081		1.1/4			500
35082		35083		1.7/16			650
36444		36445		1.1/2			800

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35140		35141		1/4			
35142		35143		5/16			
35144		35145		3/8			
35146		35147		7/16			
35148		35149		1/2			190
35150		35151		9/16			
35152		35153		19/32			
35154		35155		5/8			
35156		35157		11/16			
35158		35159		3/4			200
35160	Cu-Be	35161	Al-Bron	25/32	82	12	230
35162		35163		13/16			240
35164		35165		7/8			260
35166		35167		15/16			300
35168		35169		1			320
35170		35171		1.1/16			360
35172		35173		1.1/8			410
35174		35175		1.3/16			430
35176		35177		1.1/4			500
35178		35179		1.7/16			650
36448		36449		1.1/2			800

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70375	Cu-Be	71272	Al-Bron	1/2	250	600

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73724	Cu-Be	73725	Al-Bron	1/2	250	450

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

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70378	Cu-Be	71274	Al-Bron	1/2	10	400
70379		71275			12	500

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72400	Cu-Be	72401	Al-Bron	1/2	230	330
72402		72403			330	400
72404		72405			410	550

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72410	Cu-Be	72411	Al-Bron	1/2	230	400

PUNTA PLANA CON VASO / *FLAT BIT SOCKET* / EMBOUT FENTE À DOUILLE / *FLACHE SCHRAUBENDREHEREINSATZ* / PUNTA PIATTA CON BUSSOLA / *PONTA DE FENDA COM CHAVE DE CAIXA* / ГОЛОВКА С ПЛОСКОЙ ОТВЕРТКОЙ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	mm	g
73709	Cu-Be	73710	Al-Bron	1/2	50	13 x 2	100

BERBIQUÍ / *SPEEDER HANDLE* / VILEBREQUIN / *WINDE* / LEVA GIROBECCHINO / *MANIVELA* / КОЛЕНЧАТАЯ РУЧКА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72416	Cu-Be	72417	Al-Bron	1/2	390	750

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70383	Cu-Be	71279	Al-Bron	1/2	4	200
76490		76491			5	245
70384		71280			8	400
70385		71281			10	500
75477		75478			16	715

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70372	Cu-Be	71269	Al-Bron	1/2	80	200

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

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
75720	Cu-Be	75721	Al-Bron	1/2-3/8	70
70369		71266		1/2-3/4	200
79946		79947		1/2-1	280

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

PUNTA HEXAGONAL CON VASO / *HEX BIT SOCKET* / EMBOUT HEXAGONAL A DOVILLE / *HEX SCHRAUBENDREHEREINSATZ* / PUNTA HEXAGONAL CON BUSSOLA / *PONTA HEXAGONAL COM CHAVE DE CAIXA* / ШЕСТИГРАННАЯ ГОЛОВКА

COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36645	Cu-Be	36657	Al-Bron	1/2	4	55	85
36646		36658			5		
36647		36659			6		
36648		36660			7		90
36649		36661			8	65	105
36650		36662			10		120
36651		36663			12		135
36652		36664			14		175
36653		36665			16		190
36654		36666			17		195
36655		36667			18		210
36656		36668			19		

PUNTA HEXAGONAL CON VASO SERIE LARGA / *HEX BIT SOCKET LONG SERIE* / EMBOUT HEXAGONAL A DOVILLE LONGUES SÉRIES / *SECHSKANT-BIT-STECKSCHLÜSSEL GROSSE SERIE* / PUNTA ESAGONALE CON BUSSOLA SERIE LUNGA / *PONTA HEXAGONAL COM CHAVE DE CAIXA LONGA* / ГОЛОВКА-БИТ ШЕСТИГРАННАЯ ВЫСОКАЯ

COD.	MAT.	COD.	MAT.	AF inch	AF mm	L (mm)	g
36670	Cu-Be	36682	Al-Bron	1/2	4	100	95
36671		36683			5		
36672		36684			6		100
36673		36685			7		110
36674		36686			8		130
36675		36687			10		155
36676		36688			12		185
36677		36689			14		250
36678		36690			16		270
36679		36691			17		290
36680		36692			18		320
36681		36693			19		

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 3/4"
- STANDARD
- MM
- 6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
74649	Cu-Be	74653	Al-Bron	17	50	6	200
75724		75725		18			
74650		74654		19			
74651		74655		21	55		250
74652		74656		22			
79017		79018		23	50		280
70345		71220		24	55		
71908		72953		26			
70346		71221		27			310
75726		75727		28			320
75728		75729		29			370
70347		71222		30	60		380
75730		75731		31			410
70348		71223		32			440
77792		77793		33			460
74863		74864		34			470
77794		77795		35			500
70349		71224		36			650
77796		77797		37			700
74865		74866		38			750
70350		71225		41	65		850
77798		77799		42			900
70351		71226		46			950
77800		77801		47	70		1100
70352		71227		50			
77802		77803		52			
77804		77805		55			
77806		77807		60			

- 12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75734	Cu-Be	75735	Al-Bron	17	50	12	200
75736		75737		18			
75738		75739		19			
75740		75741		21	55		250
75742		75743		22			
74538		74547		24			280
74539		74548		26			
74540		74549		27			
75744		75745		28			310
75746		75747		29			320
74541		74550		30	60		370
75748		75749		31			380
74542		74551		32			410
77810		77811		33			
75750		75751		34			440
77812		77813		35			
74543		74552		36			460
77814		77815		37			470
75752		75753		38			500
74544		74553		41	65		650
77816		77817		42			700
74545		74554		46			
77818		77819		47	70		750
74546		74555		50			850
77820		77821		52			900
77822		77823		55			950
77824		77825		60			1100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 3/4"
- STANDARD
- INCH
- 6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
74786		74787		3/4	50		220
75732		75733		13/16			240
74788		74789		7/8			
74790		74791		15/16	55		
74792		74793		1			280
74802		74803		1.1/16			
74804		74805		1.1/8			310
35846		35847		1.5/32			360
74867		74868		1.3/16			
35848		35849		1.7/32			400
74869		74870		1.1/4	60		
71228	Cu-Be	71239	Al-Bron	1.5/16		6	430
71229		71240		1.3/8			470
71230		71241		1.7/16			480
71231		71242		1.1/2			550
71232		71243		1.9/16			650
71233		71244		1.5/8			
71234		71245		1.11/16			
71235		71246		1.3/4	65		700
71236		71247		1.13/16			
71237		71248		1.7/8			
77808		77809		1.15/16			800
71238		71249		2	70		850

- 12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75754		75755		3/4	50		220
75756		75757		13/16			240
75758		75759		7/8			
75760		75761		15/16	55		
75762		75763		1			280
75764		75765		1.1/16			
75766		75767		1.1/8			310
35856		35857		1.5/32			360
75768		75769		1.3/16			
35858		35859		1.7/32			400
75770		75771		1.1/4	60		
74556	Cu-Be	74567	Al-Bron	1.5/16		12	430
74557		74568		1.3/8			470
74558		74569		1.7/16			480
74559		74570		1.1/2			550
74560		74571		1.9/16			650
74561		74572		1.5/8			
74562		74573		1.11/16			
74563		74574		1.3/4	65		700
74564		74575		1.13/16			
74565		74576		1.7/8			
77826		77827		1.15/16			800
74566		74577		2	70		850

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B

Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046

to the Management Quality

3/4"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35180	Cu-Be	35181	Al-Bron	17	90	6	500
35182		35183		18			
35184		35185		19			
36340		36341		20			
35186		35187		21			
35188		35189		22			
35190		35191		24			550
35192		35193		26			600
35194		35195		27			
35196		35197		28			
35198		35199		29			
35200		35201		30			
35202		35203		31			650
35204		70484		32			
35206		35207		33			
35208		35209		34			
35210		35211		35			
76775		70485		36			700
35212		35213		37			750
35214		35215		38			800
35216		35217		41			900
35218		35219		42			950
35220		35221		46	100		1150
35222		35223		47			1200
35224		35225		50			1250
35226		35227		52			
35228		35229		55			1300
35230		35231		60			1400

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35274	Cu-Be	35275	Al-Bron	17	90	12	500
35276		35277		18			
35278		35279		19			
36342		36343		20			
35280		35281		21			
35282		35283		22			
35284		35285		24			550
35286		35287		26			600
35288		35289		27			
35290		35291		28			
35292		35293		29			
35294		35295		30			
35296		35297		31			650
35298		35299		32			
35300		35301		33			
35302		35303		34			
35304		35305		35			
35306		35307		36			700
35308		35309		37			750
35310		35311		38			800
35312		35313		41			900
35314		35315		42			950
35316		35317		46	100		1150
35318		35319		47			1200
35320		35321		50			1250
35322		35323		52			
35324		35325		55			1300
35326		35327		60			1400

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/4"

SERIE LARGA / *LONG SOCKETS* / SÉRIE LONGUE / *LANGE SERIE* / SERIE LUNGA / *SERIE LONGA* / ВЫСОКАЯ СЕРИЯ

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35232	Cu-Be	35233	Al-Bron	3/4	90	6	500
35234		35235		13/16			
35236		35237		7/8			550
35238		35239		15/16			
35240		35241		1			600
35242		35243		1.1/16			
35244		35245		1.1/8			
35246		35247		1.3/16			650
35248		35249		1.1/4			
35250		35251		1.5/16			
35252		35253		1.3/8			700
35254		35255		1.7/16			800
35256		35257		1.1/2			900
35258		35259		1.9/16			
35260		35261		1.5/8			950
35262		35263		1.11/16			1000
35264		35265		1.3/4	100		1150
35266		35267		1.13/16			1200
35268		35269		1.7/8			
35270		35271		1.15/16			1250
35272		35273		2			

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35328	Cu-Be	35329	Al-Bron	3/4	90	12	500
35330		35331		13/16			
35332		35333		7/8			550
35334		35335		15/16			
35336		35337		1			600
35338		35339		1.1/16			
35340		35341		1.1/8			
35342		35343		1.3/16			650
35344		35345		1.1/4			
35346		35347		1.5/16			
35348		35349		1.3/8			700
35350		35351		1.7/16			800
35352		35353		1.1/2			900
35354		35355		1.9/16			
35356		35357		1.5/8			950
35358		35359		1.11/16			1000
35360		35361		1.3/4	100		1150
35362		35363		1.13/16			1200
35364		35365		1.7/8			
35366		35367		1.15/16			1250
35368		35369		2			

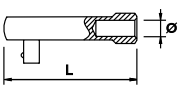
CARRACA MACHO-HEMBRA / *MALE-FEMALE RATCHET* / CLIQUET MALE-FEMELLE / *RATSCHE DOPPELT FUNKTION* / CRICCO MASCHIO-FEMMINA / *ROQUETE MACHO-FÊMEA* / ТРЕЩЕТКА ПАПА-МАМА

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73726	Cu-Be	73727	Al-Bron	3/4	300	1000

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70376	Cu-Be	71273	Al-Bron	3/4	390	1400

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



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	O.D. mm	g
73712	Cu-Be	73713	Al-Bron	3/4	160	21	1500

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

3/4"

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70380	Cu-Be	71276	Al-Bron	3/4	250	900
70381		71277			460	1700

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	H (mm)	g
73717	Cu-Be	73718	Al-Bron	3/4	350	190	1500

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72406	Cu-Be	72407	Al-Bron	3/4	300	600

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72412	Cu-Be	72413	Al-Bron	3/4	280	700

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70386	Cu-Be	71282	Al-Bron	3/4	4	200
70387		71283			8	400
70388		71284			10	500
75487		75488			16	1590

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70373	Cu-Be	71270	Al-Bron	3/4	135	600

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	I.D. mm	g
72396	Cu-Be	72397	Al-Bron	3/4	120	21	800

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

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
70368	Cu-Be	71265	Al-Bron	3/4-1/2	200
70371		71268		3/4-1	410

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 1"
- STANDARD
- MM
- 6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75772	Cu-Be	75773	Al-Bron	22	55	6	330
75774		75775		24			340
75776		75777		25			
75778		75779		26			350
75780		75781		27			360
75782		75783		28			370
75784		75785		29			
75786		75787		30	60		400
75788		75789		31			410
75790		75791		32			440
75792		75793		34			450
75794		75795		36			460
75796		75797		38			500
70353		71250		41	65		600
70354		71251		42			700
70355		71252		46			800
70356		71253		50	70		1000
70357		71254		55	75		1100
70358		71255		60			1400
70359		71256		65	80		1500
70360		71257		70			
70361		71258		75	85		2000
70362		71259		80			2200
70363		71260		85			4600
70364		71261		90	90		4800
70365		71262		95			4900
70366		71263		100			5000
70367		71264		105	95		5200

- 12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75828	Cu-Be	75829	Al-Bron	22	55	12	330
75830		75831		24			340
75832		75833		25			
75834		75835		26			350
75836		75837		27			360
75838		75839		28			370
75840		75841		29			
75842		75843		30	60		400
75844		75845		31			410
75846		75847		32			440
75848		75849		34			450
75850		75851		36			460
75852		75853		38			500
74578		74593		41	65		600
74579		74594		42			700
74580		74595		46			800
74581		74596		50	70		1000
74582		74597		55	75		1100
74583		74598		60			1400
74584		74599		65	80		1500
74585		74600		70			
74586		74601		75	85		2000
74587		74602		80			2200
74588		74603		85			4600
74589		74604		90	90		4800
74590		74605		95			4900
74591		74606		100			5000
74592		74607		105	95		5200

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1"

STANDARD

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75798		75799		1.1/16	55		360
75800		75801		1.1/8			
75802		75803		1.3/16	60		400
75804		75805		1.1/4			430
75806		75807		1.5/16			440
75808		75809		1.3/8			
75810		75811		1.7/16			460
75812		75813		1.1/2			500
75814		75815		1.5/8	65		550
77828		77829		1.13/16			700
75816	Cu-Be	75817	Al-Bron	1.7/8		6	
75818		75819		2	70		800
77830		77831		2.1/8			850
75820		75821		2.1/4	75		1000
77832		77833		2.3/8			1250
75822		75823		2.1/2			
77834		77835		2.9/16			1400
75824		75825		2.3/4	80		
77836		77837		2.15/16			1500
75826		75827		3			
77838		77839		3.1/8			2300

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
75854		75855		1.1/16	55		360
75856		75857		1.1/8			
75858		75859		1.3/16	60		400
75860		75861		1.1/4			430
75862		75863		1.5/16			440
75864		75865		1.3/8			
75866		75867		1.7/16			460
75868		75869		1.1/2			500
75870		75871		1.5/8	65		550
77840		77841		1.13/16			700
75872	Cu-Be	75873	Al-Bron	1.7/8		12	
75874		75875		2	70		800
77842		77843		2.1/8			850
75876		75877		2.1/4	75		1000
77844		77845		2.3/8			1250
75878		75879		2.1/2			
77846		77847		2.9/16			1400
75880		75881		2.3/4	80		
77848		77849		2.15/16			1500
75882		75883		3			
77850		77851		3.1/8			2300

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35370	Cu-Be	35371	Al-Bron	22	100	6	800
35372		35373		24			
35374		35375		25			
35376		35377		26			
35378		35379		27			
35380		35381		28			
35382		35383		29			
35384		35385		30			
35386		35387		31			
35388		35389		32			
35390		35391		34			850
35392		35393		36			900
35394		35395		38			950
35396		35397		41			1000
35398		35399		42			1050
35400		35401		46	115		1250
35402		35403		50			1450
35404		35405		55	125		1750
35406		35407		60			2100
35408		35409		65	135		2600
35410		35411		70			3050
35412		35413		75	140		3850
35414		35415		80			4300
35416		35417		85			4600
35418		35419		90			4900
35420		35421		95			5300
35422		35423		100			5750
35424		35425		105			6200

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
35468	Cu-Be	35469	Al-Bron	22	100	12	800
35470		35471		24			
35472		35473		25			
35474		35475		26			
35476		35477		27			
35478		35479		28			
35480		35481		29			
35482		35483		30			
35484		35485		31			
35486		35487		32			
35488		35489		34			850
35490		35491		36			900
35492		35493		38			950
35494		35495		41			1000
35496		35497		42			1050
35498		35499		46	115		1250
35500		35501		50			1450
35502		35503		55	125		1750
35504		35505		60			2100
35506		35507		65	135		2600
35508		35509		70			3050
35510		35511		75	140		3850
35512		35513		80			4300
35514		35515		85			4600
35516		35517		90			4900
35518		35519		95			5300
35520		35521		100			5750
35522		35523		105			6200

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35426	Cu-Be	35427	Al-Bron	1.1/16	100	6	800
35428		35429		1.1/8			
35430		35431		1.3/16			
35432		35433		1.1/4			850
35434		35435		1.5/16			
35436		35437		1.3/8			900
35438		35439		1.7/16			950
35440		35441		1.1/2			1000
35442		35443		1.5/8			1250
35444		35445		1.13/16	115		1300
35446		35447		1.7/8			1450
35448		35449		2			1650
35450		35451		2.1/8	125		1800
35452		35453		2.1/4			2100
35454		35455		2.3/8			2300
35456		35457		2.1/2	135		2600
35458		35459		2.9/16			3050
35460		35461		2.3/4	140		3850
35462		35463		2.15/16			4000
35464		35465		3			4300
35466		35467		3.1/8			

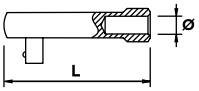
12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
35524	Cu-Be	35525	Al-Bron	1.1/16	100	12	800
35526		35527		1.1/8			
35528		35529		1.3/16			
35530		35531		1.1/4			850
35532		35533		1.5/16			
35534		35535		1.3/8			900
35536		35537		1.7/16			950
35538		35539		1.1/2			1000
35540		35541		1.5/8			1250
35542		35543		1.13/16	115		1300
35544		35545		1.7/8			1450
35546		35547		2			1650
35548		35549		2.1/8	125		1800
35550		35551		2.1/4			2100
35552		35553		2.3/8			2300
35554		35555		2.1/2	135		2600
35556		35557		2.9/16			3050
35558		35559		2.3/4	140		3850
35560		35561		2.15/16			4000
35562		35563		3			4300
35564		35565		3.1/8			

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72630	Cu-Be	72629	Al-Bron	1	550	1600

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



COD.	MAT.	COD.	MAT.	AF inch	L (mm)	O.D. mm	g
73714	Cu-Be	73715	Al-Bron	1	180	23	3000

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
73728	Cu-Be	73729	Al-Bron	1	300	1000

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1"

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

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70382	Cu-Be	71278	Al-Bron	1	12	2300

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	H (mm)	g
73719	Cu-Be	73720	Al-Bron	1	400	190	2400

ALARGADERA / *EXTENSION* / RALLONGE / *VERLÄNGERUNG* / PROLUNGA / *EXTENÇAO* / УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (inch)	g
70389	Cu-Be	71285	Al-Bron	1	4	400
70390		71286			10	800

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

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
70370	Cu-Be	71267	Al-Bron	1-3/4	600

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
70374	Cu-Be	71271	Al-Bron	1	145	1300

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	I.D. mm	g
72398	Cu-Be	72399	Al-Bron	1	120	21	1100

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72408	Cu-Be	72409	Al-Bron	1	315	850

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
72414	Cu-Be	72415	Al-Bron	1	300	1100

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

SET

1/2"

9 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74263	Cu-Be	1/2	9	74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466	10-11-12-14-17-19-22-24	-	1,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466	Llaves de vaso / *Socket wrenches*	10-11-12-14-17-19-22-24
1	72410	Mango acodado / *Offset handle*	230 mm, 400 g

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35810	Cu-Be	1/2	9	74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515	-	3/8"-7/16"-1/2"-5/8"-11/16"-3/4" 7/8"-15/16"	1,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-5/8"-11/16"-3/4" 7/8"-15/16"
1	72410	Mango acodado / *Offset handle*	230 mm, 400 g

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74264	Al-Bron	1/2	9	74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493	10-11-12-14-17-19-22-24	-	1,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493	Llaves de vaso / *Socket wrenches*	10-11-12-14-17-19-22-24
1	72411	Mango acodado / *Offset handle*	230 mm, 400 g

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35819	Al-Bron	1/2	9	74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533	-	3/8"-7/16"-1/2"-5/8"-11/16"-3/4" 7/8"-15/16"	1,4

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
8	74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-5/8"-11/16"-3/4" 7/8"-15/16"
1	72411	Mango acodado / *Offset handle*	230 mm, 400 g

12 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74265	Cu-Be	1/2	12	74450, 74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469	8-10-11-12-14-17-19-22-24-27	-	2,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
10	74450, 74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469	Llave de vaso / *Socket wrenches*	8-10-11-12-14-17-19-22-24-27
1	72400	Mango Articulado / *Offset handle*	230 mm, 330 g
	70375	Carraca / *Ratchet*	250 mm, 600 g

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35811	Cu-Be	1/2	12	74503, 74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517	-	5/16"-3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"	2,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	74503, 74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517	Llave de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"	
1	72400	Mango articulado / *Offset handle*	230 mm, 330 g	
	70375	Carraca / *Ratchet*	250 mm, 600 g	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74266	Al-Bron	1/2	12	74477, 74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496	8-10-11-12-14-17-19-22-24-27	-	2,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	ç74477, 74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496	Llaves de vaso / *Socket wrenches*	8-10-11-12-14-17-19-22-24-27	
1	72401	Mango articulado / *Offset handle*	230 mm, 330 g	
	71272	Carraca / *Ratchet*	250 mm, 600 g	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35820	Al-Bron	1/2	12	74521, 74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535	-	5/16"-3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"	2,3

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
10	74521, 74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535	Llaves de vaso / *Socket wrenches*	5/16"-3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"	
1	72401	Mango articulado / *Offset handle*	230 mm, 330 g	
	71272	Carraca / *Ratchet*	250 mm, 600 g	

16 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74267	Cu-Be	1/2	16	74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469, 74472, 74473, 76490	10-11-12-14-17-19-22-24-27-30-32	-	4,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469, 74472, 74473	Llaves de vaso / *Socket wrenches*	10-11-12-14-17-19-22-24-27-30-32	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiquí / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35812	Cu-Be	1/2	16	74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517, 77790, 74519, 76490	-	3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"-1.3/16"-1.1/4"	4,5

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517, 77790, 74519	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"-1.3/16"-1.1/4"	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74268	Al-Bron	1/2	16	74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496, 74499, 74500, 76491	10-11-12-14-17-19-22-24-27-30-32	-	4,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496, 74499, 74500	Llaves de vaso / *Socket wrenches*	10-11-12-14-17-19-22-24-27-30-32	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35821	Al-Bron	1/2	16	74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535, 77791, 74537, 76491	-	3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"-1.3/16"-1.1/4"	4,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535, 77791, 74537	Llaves de vaso / *Socket wrenches*	3/8"-7/16"-1/2"-5/8"-11/16"-3/4"-7/8""-15/16"-1.1/16"-1.3/16"-1.1/4"	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	

24 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74269	Cu-Be	1/2	24	74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74469, 74472, 74473, 76490	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	-	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
18	74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74469, 74472, 74473	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1	70372	Articulacion universal / *Universal Joint*	80 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35813	Cu-Be	1/2	24	74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 74515, 74516, 74517, 77790, 74519, 76490	-	1/4"-5/16"-3/8"-7/16"-1/2"-19/32" 5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-1"-15/16"-1.1/16"-1.3/16"-1.1/4"	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
18	74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 74515, 74516, 74517, 77790, 74519	Llaves de vaso / *Socket wrenches*	1/4"-5/16"-3/8"-7/16"-1/2"-19/32" 5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-1"-15/16"-1.1/16"-1.3/16"-1.1/4"	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
1	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
1	70372	Articulacion universal / *Universal Joint*	80 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74270	Al-Bron	1/2	24	74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74496, 74499, 74500, 76491	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	-	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
18	74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74496, 74499, 74500	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
1	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
1	71269	Articulacion Universal / *Universal Joint*	80 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35822	Al-Bron	1/2	24	74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 74533, 74534, 74535, 77791, 74537, 76491	-	1/4"-5/16"-3/8"-7/16"-1/2"-19/32" 5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-1"-15/16"-1.1/16"-1.3/16"-1.1/4"	5,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
18	74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 74533, 74534, 74535, 77791, 74537	Llaves de vaso / *Socket wrenches*	1/4"-5/16"-3/8"-7/16"-1/2"-19/32" 5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-1"-15/16"-1.1/16"-1.3/16"-1.1/4"	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
1	71274	Mango corredizo en T / *Sliding T handle*	250 mm	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

1/2"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1	71269	Articulacion universal / *Universal Joint*	80 mm	

27 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74271	Cu-Be	1/2	27	74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473, 76490	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	-	6,0

PCS.	**Composición** / *Composition* / **Composition**	**Descripción** / *Description* / **Description**		
20	74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	
	73709	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35814	Cu-Be	1/2	27	74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519, 76490	-	1/4"-5/16"-3/8"-7/16"-1/2"-19/32"-5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	6,0

PCS.	**Composición** / *Composition* / **Composition**	**Descripción** / *Description* / **Description**		
20	74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519	Llaves de vaso / *Socket wrenches*	1/4"-5/16"-3/8"-7/16"-1/2"-19/32"-5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	
	73709	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74272	Al-Bron	1/2	27	74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500, 76491	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	-	6,0

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

1/2"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
20	74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500	Llaves de vaso / *Socket wrenches*	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion universal / *Universal Joint*	80 mm	
	73710	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35823	Al-Bron	1/2	27	74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537, 76491	-	1/4"-5/16"-3/8"-7/16"-1/2"-19/32"-5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	6,0

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
20	74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537	Llaves de vaso / *Socket wrenches*	1/4"-5/16"-3/8"-7/16"-1/2"-19/32"-5/8"-11/16"-9/16"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion universal / *Universal Joint*	80 mm	
	73710	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

31 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74273	Cu-Be	1/2	31	74450, 74451, 74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473, 76490	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	-	6,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
22	74450, 74451, 74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473	Llaves de vaso / *Socket wrenches*	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	
1	72410	Mango acodado / *Offset handle*	230 mm, 400 g	
	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	
	73709	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

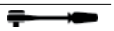
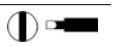
1/2"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
1		Vaso para bujias / *Spark plug socket*	13/16"	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35815	Cu-Be	1/2	31	74503, 35850, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 35852, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519, 76490	-	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	6,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
22	74503, 35850, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 35852, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519	Llaves de vaso / *Socket wrenches*	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	72410	Mango acodado / *Offset handle*	230 mm, 400 g	
	70375	Carraca / *Ratchet*	250 mm	
2	76490, 70385	Alargadera / *Extension*	125-250 mm	
1	72416	Berbiqui / *Speeder handle*	390 mm	
	70378	Mango corredizo en T / *Sliding T handle*	250 mm	
	70372	Articulacion universal / *Universal Joint*	80 mm	
	73709	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	
		Vaso para bujias / *Spark plug socket*	13/16"	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74274	Al-Bron	1/2	31	74477, 74478, 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500, 76491	8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32	-	6,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
22	74477, 74478, 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500	Llaves para vaso / *Socket wrenches*	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	72411	Mango acodado / *Offset handle*	230 mm, 400 g	
	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion universal / *Universal Joint*	80 mm	
	73710	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	
		Vaso para bujias / *Spark plug socket*	13/16"	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35824	Al-Bron	1/2	31	74521, 35851, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 35853, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537, 76491	-	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	6,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
22	74521, 35851, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 35853, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537	Llaves de vaso / *Socket wrenches*	5/16"-11/32"-3/8"-7/16"-1/4"-1/2"-9/16"-19/32"-5/8"-11/16"-23/32"-3/4"-25/32"-13/16"-7/8"-29/32"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
1	72411	Mango acodado / *Offset handle*	230 mm, 400 g	
	71272	Carraca / *Ratchet*	250 mm	
2	76491, 71281	Alargadera / *Extension*	125-250 mm	
1	72417	Berbiqui / *Speeder handle*	390 mm	
	71274	Mango corredizo en T / *Sliding T handle*	250 mm	
	71269	Articulacion universal / *Universal Joint*	80 mm	
	73710	Punta plana con vaso / *Flat bit socket*	13 x 2 mm	
		Vaso para bujia / *Spark plug socket*	13/16"	

3/4"

14 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74275	Cu-Be	3/4	14	75740, 74538, 74540, 74541, 74542, 75750, 74543, 75752, 74544, 74545, 74546	21-24-27-30-32-34-36-38-41-46-50	-	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	75740, 74538, 74540, 74541, 74542, 75750, 74543, 75752, 74544, 74545, 74546	Llaves de vaso / *Socket wrenches*	21-24-27-30-32-34-36-38-41-46-50	
1	70387	Alargadera / *Extension*	200 mm	
	72416	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35816	Cu-Be	3/4	14	75756, 75760, 75764, 75768, 75770, 74557, 74558, 74559, 74561, 74564, 74566	-	13/16"-15/16"-1-1/16"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	75756, 75760, 75764, 75768, 75770, 74557, 74558, 74559, 74561, 74564, 74566	Llaves de vaso / *Socket wrenches*	13/16"-15/16"-1-1/16"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	
1	70387	Alargadera / *Extension*	200 mm	
	72416	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

3/4"

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74276	Al-Bron	3/4	14	75741, 74547, 74549, 74550, 74551, 75751, 74552, 75753, 74553, 74554, 74555	21-24-27-30-32-34-36-38-41-46-50	-	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	75741, 74547, 74549, 74550, 74551, 75751, 74552, 75753, 74553, 74554, 74555	Llaves de vaso / *Socket wrenches*	21-24-27-30-32-34-36-38-41-46-50	
1	71283	Alargadera / *Extension*	200 mm	
	72417	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35825	Al-Bron	3/4	14	75757, 75761, 75765, 75769, 75771, 74568, 74569, 74570, 74572, 74575, 74577	-	13/16"-15/16"-1-1/16"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
11	75757, 75761, 75765, 75769, 75771, 74568, 74569, 74570, 74572, 74575, 74577	Llaves de vaso / *Socket wrenches*	13/16"-15/16"-1-1/16"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	
1	71283	Alargadera / *Extension*	200 mm	
	72417	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

20 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74277	Cu-Be	3/4	20	75740, 75742, 74538, 74539, 74540, 75744, 75746, 74541, 75748, 74542, 75750, 74543, 75752, 74544, 74545, 74546	21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50	-	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	75740, 75742, 74538, 74539, 74540, 75744, 75746, 74541, 75748, 74542, 75750, 74543, 75752, 74544, 74545, 74546	Llaves de vaso / *Socket wrenches*	21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50	
2	70387	Alargadera / *Extension*	200 mm	
1	72416	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35817	Cu-Be	3/4	20	75754, 75756, 75758, 75760, 75762, 75764, 75766, 35856, 75768, 35858, 75770, 74557, 74558, 74559, 74561, 74564, 74566	-	3/4"-13/16""-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.5/32"-1.3/16"-1.7/32"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	8,5

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

3/4"

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	75754, 75756, 75758, 75760, 75762, 75764, 75766, 35856, 75768, 35858, 75770, 74557, 74558, 74559, 74561, 74564, 74566	Llaves de vaso / *Socket wrenches*	3/4"-13/16""-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.5/32"-1.3/16"-1.7/32"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	
2	70387	Alargadera / *Extension*	200 mm	
1	72416	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74278	Al-Bron	3/4	20	75741, 75743, 74547, 74548, 74549, 75745, 75747, 74550, 75749, 74551, 75751, 74552, 75753, 74553, 74554, 74555	21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50	-	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	75741, 75743, 74547, 74548, 74549, 75745, 75747, 74550, 75749, 74551, 75751, 74552, 75753, 74553, 74554, 74555	Llaves de vaso / *Socket wrenches*	21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50	
2	71283	Alargadera / *Extension*	200 mm	
1	72417	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35826	Al-Bron	3/4	20	75755, 75757, 75759, 75761, 75763, 75765, 75767, 35857, 75769, 35859, 75771, 74568, 74569, 74570, 74572, 74575, 74577	-	3/4"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.5/32"-1.3/16"-1.7/32"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	8,5

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
16	75755, 75757, 75759, 75761, 75763, 75765, 75767, 35857, 75769, 35859, 75771, 74568, 74569, 74570, 74572, 74575, 74577	Llaves de vaso / *Socket wrenches*	3/4"-13/16""-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.5/32"-1.3/16"-1.7/32"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"	
2	71283	Alargadera / *Extension*	200 mm	
1	72417	Mango corredizo en T / *Sliding T handle*	400 mm	
	70376	Carraca / *Ratchet*	320 mm	

1"

18 PCS.

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74279	Cu-Be	1	18	74541, 75748, 74542, 75750, 74543, 75752, 74544, 74545, 74546, 77822, 77824	30-31-32-34-36-38-41-46-50-55-60-65-70-75-80	-	18

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	74541, 75748, 74542, 75750, 74543, 75752, 74544, 74545, 74546, 77822, 77824	Llaves de vaso / *Socket wrenches*	30-31-32-34-36-38-41-46-50-55-60-65-70-75-80	
1	72396	Articulación flexible / *Flexible joint*	120 mm	
	70387	Alargadera / *Extension*	200 mm	
	72416	Mango corredizo en T / *Sliding T handle*	400 mm	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1"

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35818	Cu-Be	1	18	75766, 75768, 75770, 74557, 74558, 74559, 74561, 74564, 74566	-	1.1/8"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"-2.1/4"-2.3/8"-2.9/16"-2.3/4"-2.15/16"-3.1/8"	18

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	75766, 75768, 75770, 74557, 74558, 74559, 74561, 74564, 74566	Llaves de vaso / *Socket wrenches*	1.1/8"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"-2.1/4"-2.3/8"-2.9/16"-2.3/4"-2.15/16"-3.1/8"	
1	72396	Articulación flexible / *Flexible joint*	120 mm	
	70387	Alargadera / *Extension*	200 mm	
	72416	Mango corredizo en T / *Sliding T handle*	400 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
74280	Al-Bron	1	18	74550, 75749, 74551, 75751, 74552, 75753, 74553, 74554, 74555, 77823, 77825	30-31-32-34-36-38-41-46-50-55-60-65-70-75-80	-	18

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	74550, 75749, 74551, 75751, 74552, 75753, 74553, 74554, 74555, 77823, 77825	Llaves de vaso / *Socket wrenches*	30-31-32-34-36-38-41-46-50-55-60-65-70-75-80	
1	72397	Articulación flexible / *Flexible joint*	120 mm	
	71283	Alargadera / *Extension*	200 mm	
	72417	Mango corredizo en T / *Sliding T handle*	400 mm	

COD.	MAT.	AF inch	PCS.	COD. PCS.	AF mm	AF inch	Kg
35827	Al-Bron	1	18	75767, 75769, 75771, 74568, 74569, 74570, 74572, 74575, 74577	-	1.1/8"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"-2.1/4"-2.3/8"-2.9/16"-2.3/4"-2.15/16"-3.1/8"	18

PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description		
15	75767, 75769, 75771, 74568, 74569, 74570, 74572, 74575, 74577	Llaves de vaso / *Socket wrenches*	1.1/8"-1.3/16"-1.1/4"-1.3/8"-1.7/16"-1.1/2"-1.5/8"-1.13/16"-2"-2.1/4"-2.3/8"-2.9/16"-2.3/4"-2.15/16"-3.1/8"	
1	72397	Articulación flexible / *Flexible joint*	120 mm	
	71283	Alargadera / *Extension*	200 mm	
	72417	Mango corredizo en T / *Sliding T handle*	400 mm	

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

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

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

- 1/2"
- STANDARD
- MM
- 6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
77852	Cu-Be	77853	Al-Bron	8	42	6	105
77854		77855		9			
77856		77857		10			115
77858		77859		11			
77860		77861		12	44		135
77862		77863		13			145
77864		77865		14			
77866		77867		15			
77868		77869		16			
77870		77871		17			160
77872		77873		18			180
77874		77875		19			
77876		77877		20			
74717		74718		21			
77878		77879		22			
77880		77881		23			
74719		74720		24	46		200
77882		77883		25			
77884		77885		26			210
77886		77887		27	48		220
77888		77889		28			
77890		77891		29			230
74721		74722		30	50		240
77892		77893		32			250
36086		36087		36			260
74723		74724		41			
74725		74726		46			600
74716		74727		50	60		800

- 12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
77930	Cu-Be	77931	Al-Bron	8	42	12	105
77932		77933		9			
76496		76497		10			115
76498		76499		11			
76500		76501		12	44		135
76502		76503		13			145
76504		76505		14			
76506		76507		15			
76508		76509		16			
74775		74776		17			160
77934		77935		18			180
74777		74778		19			
77936		77937		20			
77938		77939		21			
74779		74780		22			
76510		76511		23			
77940		77941		24	46		200
77942		77943		25			
77944		77945		26			210
74781		74782		27	48		220
77946		77947		28			
77948		77949		29			230
77950		77951		30	50		240
74783		74784		32			250
36695		36696		36			260
77952		77953		41			
77954		77955		46			600
36458		36459		50	60		800

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1/2"

STANDARD

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
77894	Cu-Be	77895	Al-Bron	5/16	42	6	105
77896		77897		3/8			110
77898		77899		7/16			115
77900		77901		1/2	44		145
77902		77903		9/16			
77904		77905		19/32			
77906		77907		5/8			
77908		77909		11/16			160
77910		77911		3/4			180
77912		77913		25/32			
77914		77915		13/16			
77916		77917		7/8			
77918		77919		15/16			200
77920		77921		1			
77922		77923		1.1/16			220
77924		77925		1.1/8			
77926		77927		1.3/16			240
77928		77929		1.1/4			250

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
77956	Cu-Be	77957	Al-Bron	5/16	42	12	105
77958		77959		3/8			110
77960		77961		7/16			115
77962		77963		1/2	44		145
77964		77965		9/16			
77966		77967		19/32			
77968		77969		5/8			
77970		77971		11/16			160
77972		77973		3/4			180
77974		77975		25/32			
77976		77977		13/16			
77978		77979		7/8			
77980		77981		15/16			200
77982		77983		1			
77984		77985		1.1/16			220
77986		77987		1.1/8			
77988		77989		1.3/16			240
77990		77991		1.1/4			250

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
76202	Cu-Be	76203	Al-Bron	8	82	6	170
76204		76205		9			
76206		76207		10			
76208		76209		11			
76210		76211		12			
76212		76213		13			180
76214		76215		14			190
76216		76217		15			200
76218		76219		16			220
76220		76221		17			240
76222		76223		18			260
76224		76225		19			270
76226		76227		20			280
76228		76229		21			290
76230		76231		22			310
76232		76233		23			320
76766		76767		24			340
76234		76235		25			380
76236		76237		26			400
76768		76769		27			420
76280		76281		28			440
76282		76283		29			460
76770		76771		30			500
76772		76773		32			
36697		36698		36			750
76284		76285		41			800
76286		76287		46			1000
36456		36457		50			1275

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
76990	Cu-Be	76991	Al-Bron	8	82	12	170
76992		76993		9			
76994		76995		10			
76996		76997		11			
76998		76999		12			
78389		78390		13			180
78391		78392		14			190
78393		78394		15			200
78395		78396		16			220
78397		78398		17			240
78399		78400		18			260
78401		78402		19			270
78403		78404		20			280
78405		78406		21			290
78407		78408		22			310
78409		78410		23			320
78411		78412		24			340
78413		78414		25			380
78415		78416		26			400
78417		78418		27			420
78419		78420		28			440
78421		78422		29			460
78423		78424		30			500
78425		78426		32			
36699		36700		36			750
78427		78428		41			800
78429		78430		46			1000
36460		36461		50			1275

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1/2"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
76352	Cu-Be	76353	Al-Bron	5/16	82	6	170
76354		76355		3/8			
76356		76357		7/16			
76358		76359		1/2			180
76360		76361		9/16			190
76362		76363		19/32			200
76364		76365		5/8			220
76366		76367		11/16			250
76368		76369		3/4			270
76370		76371		25/32			280
76372		76373		13/16			290
76374		76375		7/8			310
76376		76377		15/16			340
76378		76379		1			380
76380		76381		1.1/16			420
76382		76383		1.1/8			460
76384		76385		1.3/16			490
76386		76387		1.1/4			500

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78431	Cu-Be	78432	Al-Bron	5/16	82	12	170
78433		78434		3/8			
78435		78436		7/16			
78437		78438		1/2			180
78439		78440		9/16			190
78441		78442		19/32			200
78443		78444		5/8			220
78445		78446		11/16			250
78447		78448		3/4			270
78449		78450		25/32			280
78451		78452		13/16			290
78453		78454		7/8			310
78455		78456		15/16			340
78457		78458		1			380
78459		78460		1.1/16			420
78461		78462		1.1/8			460
78463		78464		1.3/16			490
78465		78466		1.1/4			500

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 3/4"
- STANDARD
- MM
- 6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
79839	Cu-Be	79840	Al-Bron	17	55	6	350
77992		77993		19			
79210		79213		20			250
79841		79842		21			350
77994		77995		22			
75884		75885		24			
79879		79880		26			370
75886		75887		27			380
79881		79882		28	50		400
75888		75889		30	60		500
75890		75891		32			550
79843		79844		33			
77996		77997		34			
75892		75893		36			
77998		77999		38	65		700
75894		75895		41			800
75896		75897		46			900
75898		75899		50	70		1100
78000		78001		55			1250
78002		78003		60			

- 12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
36701	Cu-Be	36702	Al-Bron	17	50	12	300
78040		78041		19	55		350
36284		36295		20			
78042		78043		22			
36729		36730		23	50		380
72314		72315		24	55		350
72316		72317		27			380
72318		72319		30	60		500
72320		72321		32			550
76512		76513		34			
72322		72323		36			
76514		76515		38	65		700
72324		72325		41			800
72326		72327		46			900
72328		72329		50	70		1100
76516		76517		55			1250
78044		75968		60			

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 3/4"
- STANDARD
- INCH
- 6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
79883	Cu-Be	79884	Al-Bron	9/16	50	6	320
79885		79886		5/8			340
78004		78005		3/4	55		430
78006		78007		13/16			450
78008		78009		7/8			
78010		78011		15/16			
78012		78013		1			
78014		78015		1.1/16			
78016		78017		1.1/8			460
78018		78019		1.3/16	60		600
78020		78021		1.1/4			
78022		78023		1.5/16			650
78024		78025		1.3/8	65		700
78026		78027		1.7/16			
78028		78029		1.1/2			
78030		78031		1.5/8			850
79887		79888		1.11/16	60		670
78032		78033		1.3/4	65		850
78036		78037		1.13/16			1200
78034		78035		1.7/8			850
78038		78039		2	70		1250

- 12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78045	Cu-Be	78046	Al-Bron	3/4	55	12	430
78047		78048		13/16			450
78049		78050		7/8			
78051		78052		15/16			
78053		78054		1			
78055		78056		1.1/16			
78057		78058		1.1/8			460
78059		78060		1.3/16	60		600
78061		78062		1.1/4			
78063		78064		1.5/16			650
78065		78066		1.3/8	65		700
78067		78068		1.7/16			
78069		78070		1.1/2			
78071		78072		1.5/8			850
78073		78074		1.3/4			
78077		78078		1.13/16			1200
78075		78076		1.7/8			850
78079		78080		2	70		1250

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

3/4"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
36462	Cu-Be	36463	Al-Bron	17	90	6	650
78467		78468		19			800
78469		78470		22			
36731		36732		23			690
78471		78472		24			800
78473		78474		27			
78475		78476		30	95		900
78477		78478		32			
78479		78480		34			
78481		78482		36			
78483		78484		38	100		1100
78485		78486		41			1150
78487		78488		46			1200
78489		78490		50			1700
78491		78492		55			1750
78493		78494		60			

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
36464	Cu-Be	36465	Al-Bron	17	90	12	600
78531		78532		19			
78533		78534		22			800
36733		36734		23			
78535		78536		24			
78537		78538		27			
78539		78540		30	95		900
78541		78542		32			
78543		78544		34			
78545		78546		36			
78547		78548		38	100		1100
78549		78550		41			1150
78551		78552		46			1200
78553		78554		50			1700
78555		78556		55			1750
78557		78558		60			

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

3/4"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78495	Cu-Be	78496	Al-Bron	3/4	90	6	800
78497		78498		13/16			
78499		78500		7/8			
78501		78502		15/16			
78503		78504		1			
78505		78506		1.1/16			
78507		78508		1.1/8	95		900
78509		78510		1.3/16			
78511		78512		1.1/4			
78513		78514		1.5/16			
78515		78516		1.3/8			
78517		78518		1.7/16			
78519		78520		1.1/2	100		1100
78521		78522		1.5/8			1150
78523		78524		1.3/4			
78525		78526		1.13/16			1200
78527		78528		1.7/8			
78529		78530		2			1700

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78559	Cu-Be	78560	Al-Bron	3/4	90	12	800
78561		78562		13/16			
78563		78564		7/8			
78565		78566		15/16			
78567		78568		1			
78569		78570		1.1/16			
78571		78572		1.1/8	95		900
78573		78574		1.3/16			
78575		78576		1.1/4			
78577		78578		1.5/16			
78579		78580		1.3/8			
78581		78582		1.7/16			
78583		78584		1.1/2	100		1100
78585		78586		1.5/8			1150
78587		78588		1.3/4			
78589		78590		1.13/16			1200
78591		78592		1.7/8			
78593		78594		2			1700

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 1"
- STANDARD
- MM
- 6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
72330	Cu-Be	72331	Al-Bron	19	60	6	650
72332		72333		21			
72334		72335		22			700
72336		72337		24			
72338		72339		26			
72340		72341		27			
72342		72343		29			
72344		72345		30			750
72346		72347		32			
72348		72349		34	70		800
72350		72351		35			850
72352		72353		36			
72354		72355		38			900
72356		72357		41			
72358		72359		46	80		1200
72360		72361		50			1500
72362		72363		52	90		1700
72364		72365		55			1800
72366		72367		58			1900
72368		72369		60			2000
72370		72371		65			2300
72372		72373		70			2700
72374		72375		75			3000
72376		72377		80			3300
79845		79846		85			3500
79847		79848		90	100		3700
79869		79870		95			4000
79871		79872		100			4500
79873		79874		105	110		5500
79875		79876		110			5750
79877		79878		115	115		7000

- 12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
75900	Cu-Be	75901	Al-Bron	19	60	12	650
75902		75903		21			
75904		75905		22			700
75906		75907		24			
75908		75909		26			
75910		75911		27			
75912		75913		29			
75914		75915		30			750
75916		75917		32			
75918		75919		34	70		800
75920		75921		35			850
75922		75923		36			
75924		75925		38			900
75926		75927		41			
75928		75929		46	80		1200
75930		75931		50			1500
75932		75933		52	90		1700
75934		75935		55			1800
75936		75937		58			1900
75938		75939		60			2000
75940		75941		65			2300
75942		75943		70			2700
75944		75945		75			3000
75946		75947		80			3300

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- 1"
- STANDARD
- INCH
- 6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
79837	Cu-Be	79838	Al-Bron	3/4	60	6	650
79849		79850		7/8	55		700
79851		79852		1			750
79853		79854		1.1/16			
78081		78082		1.1/8	60		800
79855		79856		1.3/16			
78083		78084		1.1/4			
78085		78086		1.5/16			
79857		79858		1.3/8			
79859		79860		1.7/16			
78087		78088		1.1/2	65		850
78089		78090		1.5/8			950
79865		79866		1.11/16			900
79861		79862		1.3/4	70		1350
78091		78092		1.13/16			1400
79863		79864		1.7/8			
79867		79868		1.15/16	75		
78093		78094		2			1450
78095		78096		2.1/8			1850
78097		78098		2.3/8	85		2200
78099		78100		2.9/16			2450
78101		78102		2.3/4	90		2900
78103		78104		2.15/16			3150
78105		78106		3.1/8			3550

- 12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78107	Cu-Be	78108	Al-Bron	1.1/8	60	12	800
78109		78110		1.1/4	65		900
78111		78112		1.5/16			
78113		78114		1.1/2	70		1050
78115		78116		1.5/8			
78117		78118		1.13/16	75		1500
78119		78120		2	80		2050
78121		78122		2.1/8	85		2300
78123		78124		2.3/8	90		2700
78125		78126		2.9/16	95		2950
78127		78128		2.3/4			3150
78129		78130		2.15/16			3350
78131		78132		3.1/8			3550

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78595	Cu-Be	78596	Al-Bron	19	100	6	900
78597		78598		21			950
78599		78600		22			
78601		78602		24			1000
78603		78604		26			1050
78605		78606		27			
78607		78608		29			1150
78609		78610		30			
78611		78612		32			1250
78613		78614		34			1300
78615		78616		35			1350
76853		76854		36			1400
78617		78618		38			1450
78619		78620		41			1500
78621		78622		46	115		2200
78623		78624		50			2300
78625		78626		52	125		2650
78627		78628		55			2700
78629		78630		58			100
78631		78632		60			3000
78633		78634		65	135		3950
78635		78636		70			
78637		78638		75	140		4750
78639		78640		80			4800

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78667	Cu-Be	78668	Al-Bron	19	100	12	900
78669		78670		21			950
78671		78672		22			
78673		78674		24			1000
78675		78676		26			1050
78677		78678		27			
78679		78680		29			1150
78681		78682		30			
78683		78684		32			1250
78685		78686		34			1300
78687		78688		35			1350
78689		78690		36			1400
78691		78692		38			1450
78693		78694		41			1500
78695		78696		46	115		2200
78697		78698		50			2300
78699		78700		52	125		2650
78701		78702		55			2700
78703		78704		58			2950
78705		78706		60			3000
78707		78708		65	135		3950
78709		78710		70			
78711		78712		75	140		4750
78713		78714		80			4800

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1"

SERIE LARGA / *LONG SOCKETS* / **SÉRIE LONGUE** / *LANGE SERIE* / **SERIE LUNGA** / *SERIE LONGA* / **ВЫСОКАЯ СЕРИЯ**

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78641	Cu-Be	78642	Al-Bron	1.1/8	100	6	1150
78643		78644		1.1/4			1300
78645		78646		1.5/16			
78647		78648		1.1/2			1450
78649		78650		1.5/8			1500
78651		78652		1.13/16	115		2200
78653		78654		2			2300
78655		78656		2.1/8	125		2700
78657		78658		2.3/8			3000
78659		78660		2.9/16	135		3950
78661		78662		2.3/4			
78663		78664		2.15/16	140		4700
78665		78666		3.1/8			4800

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78715	Cu-Be	78716	Al-Bron	1.1/8	100	12	1150
78717		78718		1.1/4			1300
78719		78720		1.5/16			
78721		78722		1.1/2			1450
78723		78724		1.5/8			1500
78725		78726		1.13/16	115		2200
78727		78728		2			2300
78729		78730		2.1/8	125		2700
78731		78732		2.3/8			3000
78733		78734		2.9/16	135		3950
78735		78736		2.3/4			
78737		78738		2.15/16	140		4700
78739		78740		3.1/8			4800

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

- **1.1/2"**
- **STANDARD**
- **MM**
- **6 PT.**

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78133		78134		34			
78135		78136		36	80		2200
78137		78138		38			
78139		78140		41			
78141		78142		46	85		2400
78143		78144		48			2450
78145		78146		50			2600
78147		78148		54	90		2650
78149		78150		55			
78151	Cu-Be	78152	Al-Bron	60		6	3050
78153		78154		65	95		3350
78155		78156		70			3800
78157		78158		75	100		4100
78159		78160		80			4800
78161		78162		85	110		5600
78163		78164		90	125		6850
78165		78166		95	130		7650
78167		78168		100	135		8200
78169		78170		105	140		8800

- **12 PT.**

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78211		78212		34			
78213		78214		36	80		2200
78215		78216		38			
78217		78218		41			
78219		78220		46	85		2400
78221		78222		48			2450
78223		78224		50			2600
78225		78226		54	90		2650
78227		78228		55			
78229	Cu-Be	78230	Al-Bron	60	95	12	3050
78231		78232		65	100		3350
78233		78234		70	105		3800
78235		78236		75	110		4100
78237		78238		80	115		4800
78239		78240		85	120		5600
78241		78242		90	125		6850
78243		78244		95			7650
78245		78246		100	130		8200
78247		78248		105			8800

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

1.1/2"

STANDARD

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78171	Cu-Be	78172	Al-Bron	1.3/8	80	6	2200
78173		78174		1.5/8			
78175		78176		1.13/16	85		2400
78177		78178		2	90		2600
78179		78180		2.1/8			2650
78181		78182		2.3/8	95		3050
78183		78184		2.1/2			3300
78185		78186		2.9/16	100		3350
78187		78188		2.5/8			3400
78189		78190		2.3/4	105		3800
78191		78192		2.15/16	110		4100
78193		78194		3			4200
78195		78196		3.1/8	115		4800
78197		78198		3.3/8	120		5600
78199		78200		3.1/2	125		6700
78201		78202		3.3/4	130		7650
78203		78204		3.15/16			8200
78205		78206		4			
78207		78208		4.1/8			8800
78209		78210		4.1/2			10000

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78249	Cu-Be	78250	Al-Bron	1.3/8	80	12	2200
78251		78252		1.5/8			
78253		78254		1.13/16	85		2400
78255		78256		2	90		2600
78257		78258		2.1/8			2650
78259		78260		2.3/8	95		3050
78261		78262		2.1/2			3300
78263		78264		2.9/16	100		3350
78265		78266		2.5/8			3400
78267		78268		2.3/4	105		3800
78269		78270		2.15/16	110		4100
78271		78272		3			4200
78273		78274		3.1/8	115		4800
78275		78276		3.3/8	120		5600
78277		78278		3.1/2	125		6700
78279		78280		3.3/4	130		7650
78281		78282		3.15/16			8200
78283		78284		4			
78285		78286		4.1/8			8800
78287		78288		4.1/2			10000

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

2.1/2"

STANDARD

MM

6 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78289	Cu-Be	78290	Al-Bron	75	140	6	8400
78291		78292		80			8700
78293		78294		85			8900
78295		78296		90	150		10250
78297		78298		95			10500
78299		78300		100			11300
78301		78302		105			12200
78303		78304		110			13250
78305		78306		115			14150
78307		78308		120			15050
78309		78310		125			15950

12 PT.

COD.	MAT.	COD.	MAT.	AF mm	L (mm)	Pt	g
78333	Cu-Be	78334	Al-Bron	75	140	12	8400
78335		78336		80			8700
78337		78338		85			8900
78339		78340		90	150		10250
78341		78342		95			10500
78343		78344		100			11300
78345		78346		105			12200
78347		78348		110			13250
78349		78350		115			14150
78351		78352		120			15050
78353		78354		125			15950

INCH

6 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78311	Cu-Be	78312	Al-Bron	2.15/16	140	6	8400
78313		78314		3.1/8			8700
78315		78316		3.3/8			8900
78317		78318		3.1/2	150		10100
78319		78320		3.3/4			10500
78321		78322		3.15/16			11300
78323		78324		4.1/8			12250
78325		78326		4.5/16			12700
78327		78328		4.1/2			14200
78329		78330		4.3/4			15100
78331		78332		4.15/16			16000

12 PT.

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Pt	g
78355	Cu-Be	78356	Al-Bron	2.15/16	140	12	8400
78357		78358		3.1/8			8700
78359		78360		3.3/8			8900
78361		78362		3.1/2	150		10100
78363		78364		3.3/4			10500
78365		78366		3.15/16			11300
78367		78368		4.1/8			12250
78369		78370		4.5/16			12700
78371		78372		4.1/2			14200
78373		78374		4.3/4			15100
78375		78376		4.15/16			16000

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ALARGADERA DE IMPACTO / *IMPACT EXTENSION* / RALLONGE À CHOC / *KRAFTSCHRAUBER-VERLÄNGERUNG* / PROLUNGA IMPACT / *EXTENSÃO DE IMPACTO* / УДАРНЫЙ УДЛИНИТЕЛЬ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
78377	Cu-Be	78378	Al-Bron	1/2	75	155
78379		78380			125	240
78381		78382		3/4		550
78383		78384			250	1100
78385		78386		1	150	
78387		78388			300	2200

ADAPTADOR DE IMPACTO / *IMPACT ADAPTER* / ADAPTATEUR À CHOC / *IMPACT STECKCHLÜSSEL EINSATZ* / ADATTATORE AD URTO / *ADAPTADOR DE IMPACTO* / УДАРНЫЙ ПЕРЕХОДНИК

COD.	MAT.	COD.	MAT.	AF inch AF inch	g
76711	Cu-Be	76712	Al-Bron	1/2-3/4	230
76495		76492		3/4-1/2	350
76713		76714		3/4-1	460
76715		76716		1-3/4	700
36202		36207		1-1.1/2	1550
73740		73743		1.1/2-1	3150

ARTICULACIÓN UNIVERSAL DE IMPACTO / *IMPACT UNIVERSAL JOINT* / CARDAN UNIVERSAL POUR DOUILLE IMPACTE / *KRAFTSCHRAUBER-UNIVERSAL-GELENK* / SNODO CARDANICO IMPACT / *CARDAN UNIVERSAL DE IMPACTO* / УДАРНОЕ УНИВЕРСАЛЬНОЕ СОЕДИНЕНИЕ

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	g
76518	Cu-Be	76519	Al-Bron	1/2	90	180
76520		76521		3/4	110	320
76522		76525		1	125	950

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

COD.	MAT.	COD.	MAT.	AF inch	L (mm)	Ø x L (mm)	g
73711	Cu-Be	73716	Al-Bron	1/2	8-14	4 x 20	2,1
73721		73733			15-50	4 x 25	2,3
36578		36582		1.1/2	34-105	7 x 75	20
36579		36583			35-108		
36580		36584			7-114	7 x 105	28
36581		36585			75-125		35
73621		73622		3/4	24-30	6 x 30	10
73623		73624			32-50	6 x 40	
73625		73626		1	19-41	6 x 50	15
73627		73628			46-80	6 x 60	20

Llaves de Impacto - Neumáticas e Hidráulicas, Cuadrado 1/2", 3/4", 1" y 1.1/2" - Certificados ATEX para uso en zonas Ex: Ex II 2 GcT6 y Ex II 2 GcT5 - Ver capítulo de Seguridad Intrínseca.
Impact Wrenches - Pneumatic and Hydraulic, 1/2", 3/4", 1" and 1.1/2" Sq. Drive - ATEX Certified for use in Ex Zones: Ex II 2 GcT6 y Ex II 2 GcT5 - See Intrinsic Safety chapter.
Douilles à choc - Pneumatiques et Hydrauliques, Carrée de 1/2" , 3/4" , 1" et 1.1/2" - Certifiés ATEX pour usage dans les zones Ex: Ex II 2 GcT6 et Ex II 2 GcT5 - Voir chapitre Sécurité Intrinsèque.

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

LLAVE DE VÁLVULA TIPO "Q" / *"Q" VALVE SPANNER* / CLÉ POUR VALVE TYPE "Q" / *"Q" TYP VENTILSCHLÜSSEL* / CHIAVE A VALVOLA TIPO "Q" / *CHAVE DE VÁLVULAS TIPO "Q"* / КЛАПАННЫЙ КЛЮЧ ТИП "Q"

COD.	MAT.	COD.	MAT.	L (mm)	Ø x (inch)	g
79961	Al-Bron	79960	Cu-Be	370	1.3/8"	600
79963		79962		430	1.7/8"	950
79965		79964		550	2.7/16"	2700

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

COD.	MAT.	COD.	MAT.	L (mm)	mm	g
72418	Cu-Be	72419	Al-Bron	450	40	1100

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

COD.	MAT.	COD.	MAT.	L (mm)	mm	mm	g
72420	Cu-Be	72421	Al-Bron	200	14,5	18,5	380

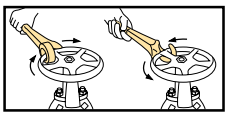
LLAVE DE VALVULA TIPO "F" / *"F" TYPE VALVE WRENCH* / CLÉ POUR VALVE TYPE "F" / *"F" TYP VENTILSCHLÜSSEL* / CHIAVE A VALVOLA TIPO "F" / *CHAVE DE VÁLVULAS TIPO "F"* / КЛАПАННЫЙ КЛЮЧ ТИП "F"

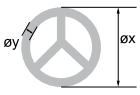
COD.	MAT.	COD.	MAT.	L (mm)	mm	Kg
36232	Cu-Be	36233	Al-Bron	250	25	

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

COD.	MAT.	COD.	MAT.	L (mm)	mm	g
72422	Cu-Be	72423	Al-Bron	200	30	250
72424		72425		300	32	500
72426		72427			35	350
72428		72429			40	450
72430		72431		350	45	550
72432		72433		375	48	600
72434		72435		400	50	650
72436		72437		450	55	900
72438		72439		500	60	1150
72440		72441		550	65	1300
72442		72443		600	70	1400
72444		72445		650	75	1600
72446		72447		700	80	1700
72448		72449		750	85	2100
72450		72451		800	90	2200

LLAVE DE VÁLVULA LARGA / *LONG VALVE WRENCH* / CLÉ POUR LONGUES VALVES / *LANGER VENTIL-SCHLÜSSEL* / CHIAVE LARGA PER VALVOLE / *CHAVE DE VALVULA LONGA* / КЛЮЧ ДЛЯ ОТКРЫТИЯ КЛАПАНОВ ДЛИННЫЙ

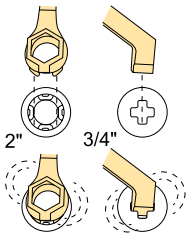




COD.	MAT.	COD.	MAT.	L (mm)	Ø x (inch)	Ø y (mm)	g
71432	Cu-Be	71435	Al-Bron	210	3-7	< 36	400
71433		71436		400	8-15	< 48	900
71434		71437		490	16-20	< 60	1400
71441		71445		800			4600

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

LLAVE TAPONADORA / *BUNG WRENCH* / CLÉ OUVRE-BIDONS / *PFROPFEN-SCHLÜSSEL* / CHIAVE APRIFUSTI / *CHAVE ABRE BIDÖES* / ОТКРЫВАТЕЛЬ ПРОБОК



COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	g
71446	Cu-Be	71447	Al-Bron	300	2-3/4	800

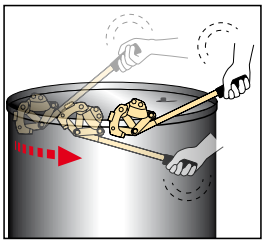
LLAVE TAPONADORA UNIVERSAL / *MUTI-HEAD BUNG WRENCH* / CLÉ UNIVERSELLE À BOUCHON / *MULTI-HEAD FASSSCHLÜSSEL* / CHIAVE A TAPPO UNIVERSALE / *CHAVE DE BUJÕES UNIVERSAL* / ОТКРЫВАТЕЛЬ ПРОБОК С ГОЛОВКОЙ МУТИ

COD.	MAT.	COD.	MAT.	L (mm)	g
72452	Cu-Be	72453	Al-Bron	385	1200

LLAVE TAPONADORA ESPECIAL / *SPECIAL BUNG WRENCH* / CLÉ SPECIAL À BOUCHON / *SPECIAL FASSSCHLÜSSEL* / CHIAVE A TAPPO SPECIALE / *CHAVE DE BUJÕES SPECIAL* / ОТКРЫВАТЕЛЬ ПРОБОК С ГОЛОВКОЙ МУТИ

COD.	MAT.	COD.	MAT.	L (mm)	g
36393	Cu-Be	76062	Al-Bron	256	850

ABREBIDONES / *DRUM OPENER* / OUVRES BIDONS / *FASSÖFFNER* / APRITOIO A TAMBURO / *ABRE BIDONS* / ОТКРЫВАТЕЛЬ БОЧЕК



COD.	MAT.	COD.	MAT.	L (mm)	Kg	
74282	Cu-Be	74283	Al-Bron	485	3,0	1

ABRIDOR DE TONELES DE CARBURO / *CARBIDE DRUM OPENER* / OUVRE BARIL DE CARBURANT / *KARBID-TROMMELÖFFNER* / APRIFUSTI PER BARILI DI CARBURO / *UTENSÍLIO PARA ABERTURA DE TAMBORES DE CARBONETO* / ИСКРОБЕЗОПАСНЫЙ НОЖ ДЛЯ ВСКРЫТИЯ БОЧЕК С КАРБИДОМ

COD.	MAT.	COD.	MAT.	L (mm)	g
72169	Cu-Be	72170	Al-Bron	280	650

LLAVE DE GANCHO / *HOOK SPANNER* / CLÉ À ERGOT / *ECKZANGE* / CHIAVE A SETTORE / *CHAVE DE GANCHO* / КЛЮЧ КРЮК

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (mm)	g
71392	Cu-Be	71409	Al-Bron	105	12 - 14	40
71393		71410		110	16 - 20	50
71394		71411		130	25 - 28	80
71395		71412		170	30 - 32	100
71396		71413			34 - 36	
71397		71414			40 - 42	150

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (mm)	g
71398	Cu-Be	71415	Al-Bron	200	45 - 50	200
71399		71416			52 - 55	
71400		71417		230	58 - 62	
71401		71418		250	68 - 75	500
71402		71419		280	80 - 90	600
71403		71420		300	90 - 100	700
71404		71421		310	95 - 100	800
71405		71422		330	100 - 110	
71406		71423			110 - 115	900
71407		71424		340	120 - 130	
71408		71425		350	135 - 145	

LLAVE DE GANCHO ARTICULADA / *ADJUSTABLE HOOK SPANNER* / **CLÉ À ERGOT ARTICULEE** / *ZANGE MIT VERSTELLBARE BACKE* / **CHIAVE A SETTORE REGOLABILE** / *CHAVE DE GANCHO ARTICULADA* / **РУГУЛИРУЕМЫЙ КЛЮЧ КРЮК**

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

HERRAMIENTA PARA TUBO / *PIPE TOOLS* / **OUTILLAGE TUBE** / *ROHR WERKZEUGE* / **FERRAMENTI PER TUBI** / *FERRAMENTA PARA TUBOS* / **ТРУБНЫЕ КЛЮЧИ**

LLAVE HEAVY DUTY / *HEAVY DUTY PIPE WRENCH* / **CLÉ SERRE-TUBES H.D.** / *EINHAND-ROHRZANGEN* / **GIRATUBI MODELLO AMERICANO PESANTE** / *CHAVE HEAVY DUTY* / **ТРУБНЫЙ КЛЮЧ ДЛЯ ТЯЖЕЛЫХ РАБОТ**

COD.	MAT.	COD.	MAT.	L (inch)	CAP. (inch)	Kg
70121	Cu-Be	71458	Al-Bron	8	1	0,3
70122		71459		10	1.1/2	0,8
70123		71460		12	2	1,3
70124		71461		14		1,7
70125		71462		18	2.1/2	2,6
70126		71463		24	3	4,5
70127		71464		36	5	9,0
70128		71465		48	6	16

LLAVE PICO PATO / *OFFSET PIPE WRENCH 90°* / **CLÉ SERRE TUBE 90°** / *ECKROHRZANGE 90°* / **GIRATUBO 90°** / *CHAVE BICO DE PATO* / **КОЛЕНЧАТЫЙ ТРУБНЫЙ КЛЮЧ**

COD.	MAT.	COD.	MAT.	L (inch)	CAP. (mm)	Kg
36305	Cu-Be	36310	Al-Bron	8	34	0,5
36306		36311		10	48	0,8
36307		36312		12	50	1,1
36308		36313		15	60	1,9
36309		36314		18	76	2,6

LLAVES SUECAS / *SWEDISH PIPE WRENCHES* / **CLÉS SERRE-TUBES SUEDOISES** / *ECROHRZANGE* / **GIRATUBI MOD. SUEDESE** / *CHAVES PARA TUBOS SUECAS* / **ТРУБНЫЕ ШВЕДСКИЕ КЛЮЧИ**

LLAVE SUECA 45° / *SWEDISH PIPE WRENCH 45°* / **SERRE-TUBES SUEDOISE 45°** / *EKROHRZANGE 45°* / **GIRATUBI MOD. SUEDESE 45°** / *CHAVE SUECA 45°* / **ШВЕДСКИЙ КЛЮЧ S 45°**

COD.	MAT.	COD.	MAT.	CAP. (inch)	L (mm)	Kg
70129	Cu-Be	71466	Al-Bron	1.1/2	420	1,4
70130		71467		2	550	2,5
79821		79824			700	4,5

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

LLAVE SUECA 90º / *SWEDISH PIPE WRENCH 90º* / CLÉ SERRE-TUBES SUEDOISE 90º / *ECKROHRZANGE 90º* / GIRATUBI MOD. SVEDESE 90º / *CHAVE SUECA 90º* / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ 90º

COD.	MAT.	COD.	MAT.	CAP. (inch)	Kg
79822	Cu-Be	79825	Al-Bron	2	2,5
79823		79826		3	4,5

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

COD.	MAT.	COD.	MAT.	L (inch)	CAP. (mm)	Kg
71822	Cu-Be	71823	Al-Bron	12	58	1,2

LLAVE DE CORREA / *STRAP WRENCH* / CLÉ À SANGLE / *GURTROHRZANGE* / GIRATUBI A NASTRO / *CHAVE DE CORREIA* / РЕМЕШКОВЫЙ КЛЮЧ

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	g
73906	Cu-Be	73907	Al-Bron	300	3	800

LLAVE DE CADENA / *CHAIN PIPE WRENCH* / CLÉ À CHAINE / *KETTEN-ROHRZANGE* / GIRATUBI A CATENA / *CHAVE CORRENTE* / ЦЕПНОЙ КЛЮЧ

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	Kg
72976	Cu-Be	72977	Al-Bron	600	4	3,8
72978		72979			6	4,2
72980		72981		900	8	8,5
72982		72983			12	9,5

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	Kg
70131	Cu-Be	71468	Al-Bron	600	2	2,2
70132		71469			4	2,8
70133		71470			6	3,5

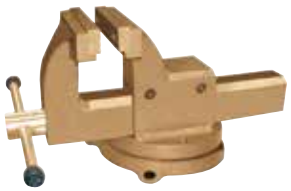
CORTATUBOS / *PIPE CUTTER* / COUPE-TUBES / *ROHRABSCHNEIDER* / TAGLIATUBI / *CORTA TUBOS* / ТРУБОРЕЗ ДЛЯ СТАЛИ

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	H (mm)	Kg
70134	Cu-Be	71471	Al-Bron	380	2	60	2,4

COD.	MAT.	COD.	MAT.	L (mm)	CAP. (inch)	H (mm)	Kg
74327	Cu-Be	74330	Al-Bron	740	4-6	280	12,3
74340		74343		860	8-12	465	21

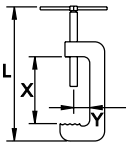
TORNILLO DE BANCO PARALELO / *PARALLEL BENCH VICE* / ÉTAU À MORS PARALLELES / *PARALLELSCHRAUBSTÖCKE* / MORSA DA BANCO PARALLELA / *TORNO DE BANCADA PARALELO* / СЛЕСАРНЫЕ ТИСКИ

COD.	MAT.	COD.	MAT.	inch	mm	Kg
70482	Cu-Be	71636	Al-Bron	4	100	15
70483		71637		5	140	18
70486		72191		6	150	27
70487		72192		7	170	28



Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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



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

SARGENTOS / *CLAMPS* / SERRE-JOINTS / *ZWINGEN* / MORSETTI SERRAGIUNTI / *GRAMPOS* / СТРУБЦИНЫ

MOD. F

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

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

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

COD.	MAT.	COD.	MAT.	mm	mm	mm	g
72258	Cu-Be	72279	Al-Bron	50	3	80	35
72259		72280			4,5		43
72260		72281		75	3		35
72261		72282			4		45
72262		72283			5	103	70
72263		72284		100	4	82	45
72264		72285			5	103	75
72265		72286					85
72266		72287		125	6	112	100
72267		72288		150			110
72268		72289			7		125
72269		72290			8		140
72270		72291		200			165
72271		72292		250	9		185
72272		72293		200	10		260
72273		72294		300			230
72274		72295		250	11		240
72275		72296		300			290
72276		72297		350			320

COD.	MAT.	COD.	MAT.	mm	mm	mm	g
72277	Cu-Be	72298	Al-Bron	400	12	150	400
72278		72299		450	13		480

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

COD.	MAT.	COD.	MAT.	mm	mm	mm	g
74756	Cu-Be	74757	Al-Bron	50	2,5	84	36
71581		71588			3	75	50
76480		76481		100		84	
71582		71589			4		70
71583		71590		150		75	80
72306		72308		100	5		100
72307		72309		200			200
74758		74759		100	5,5	115	100
71584		71591			6	95	
75268		75269		150	7	115	
71585		71592			8		200
71586		71593		200	10	105	
71587		71594		300			300

PHILLIPS®*

COD.	MAT.	COD.	MAT.		mm	mm	g
72909	Cu-Be	72910	Al-Bron	PH-0	60	75	40
71595		71599		PH-1	80		50
76486		76487			100	105	70
71596		71600		PH-2		95	
76488		76489			125	115	100
71597		71601		PH-3	150	95	80
71598		71602		PH-4	200	105	100

POZIDRIV®*

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

TORX®*

COD.	MAT.	COD.	MAT.		mm	mm	g
35714	Cu-Be	35715	Al-Bron	T 10	75	98	67
35716		35717		T 15			71
35718		35719		T 20	100		98
74367		74368		T 25	125	108	103
35720		35721		T 27	150		108
35722		35723		T 30			
35724		35725		T 40	200	120	160
35726		35727		T 45	250		180

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)
- *Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / **For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark)* / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

TAMPER TORX

COD.	MAT.	COD.	MAT.		mm	mm	g
35700	Cu-Be	35701	Al-Bron	TT 10	75	98	67
35702		35703		TT 15			71
35704		35705		TT 20	100		98
74349		74350		TT 25	125	108	103
35706		35707		TT 27	150		108
35708		35709		TT 30			
35710		35711		TT 40	200	120	160
35712		35713		TT 45	250		180

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

COD.	MAT.	COD.	MAT.	mm	mm	mm	g
73879	Cu-Be	73880	Al-Bron	6	90	100	85
73878		73891		7	100	110	95
73881		73882		8			100
73883		73884		10	110		140
73885		73886		13		120	180
73887		73888		16	120		220
73889		73890		17			230

SET

6 PCS.

COD.	MAT.	PCS.	mm	
76465	Cu-Be	6	3 x 50 (72258), 4 x 100 (72263), 5 x 100 (72264), 8 x 150 (72269)	PH-1 (71595), PH-2 (71596)
76466	Al-Bron		3 x 50 (72279), 4 x 100 (72284), 5 x 100 (72285), 8 x 150 (72290)	PH-1 (71599), PH-2 (71600)

COD.	MAT.	PCS.	mm	
76467	Cu-Be	6	3 x 50 (71581), 4 x 100 (71582), 5 x 100 (72306), 8 x 150 (71585)	PH-1 (71595), PH-2 (71596)
76468	Al-Bron		3 x 50 (71588), 4 x 100 (71589), 5 x 100 (72308), 8 x 150 (71592)	PH-1 (71599), PH-2 (71600)

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

8 PCS.

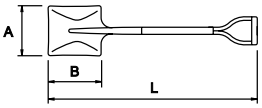
COD.	MAT.	PCS.	mm		
76469	Cu-Be	8	3 x 50 (72258), 4 x 100 (72263), 5 x 100 (72264), 6 x 100 (72265)	PH-1 (71595), PH-2 (71596)	PZ-1 (74347), PZ-2 (72247)
76470	Al-Bron		3 x 50 (72279), 4 x 100 (72284), 5 x 100 (72285), 6 x 100 (72286)	PH-1 (71599), PH-2 (71600)	PZ-1 (74348), PZ-2 (72246)

COD.	MAT.	PCS.	mm		
76471	Cu-Be	8	3 x 50 (71581), 4 x 100 (71582), 5 x 100 (72306), 6 x 100 (71584)	PH-1 (71595), PH-2 (71596)	PZ-1 (74347), PZ-2 (72247)
76472	Al-Bron		3 x 50 (71588), 4 x 100 (71589), 5 x 100 (72308), 6 x 100 (71591)	PH-1 (71599), PH-2 (71600)	PZ-1 (74348), PZ-2 (72246)

DESTORNILLADOR ACODADO / *OFFSET SCREWDRIVER* / TOURNEVIS CONTRE COUDÉ / *WINKELSCHRAUBENDREHER* / CACCIAVITE A SQUADRA / *CHAVE DE PARAFUSOS ANGULAR* / КОЛЕНЧАТАЯ ОТВЕРТКА

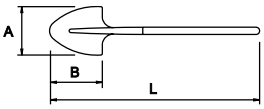
COD.	MAT.	COD.	MAT.	L (mm)	mm	g
74301	Cu-Be	74302	Al-Bron	125	4	50
72462		72463		72	6	25
72464		72465		125	8	50
72466		72467		195	10	125

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



COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
71615	Cu-Be	71616	Al-Bron	1350	240	290	1500

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

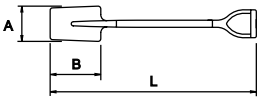


COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
71617	Cu-Be	71618	Al-Bron	1350	240	290	1500

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

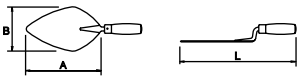
NATO OTAN
Commercial and Government Entity (NCAGE)
Code / Código 8552B
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 0910098046
to the Management Quality

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



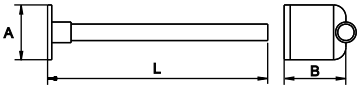
COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
71619	Cu-Be	71620	Al-Bron	1120	180	280	1500

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

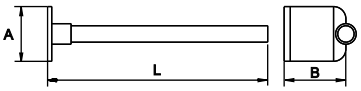


COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
73772	Cu-Be	73773	Al-Bron	335	210	130	650

AZADA / *HOE* / PIOCHE / *HAUE* / ZAPPA / *ENXADA* / МОТЫГА



COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
74253	Cu-Be	74254	Al-Bron	900	130	130	1200
74255		74256			200	200	1800



COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	g
74252	Cu-Be	74249	Al-Bron	900	130	130	1000
36224		36225			200	200	1700

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

HORQUILLA 3 PUNTAS / *3 PRONG FORK* / FOURCHE À TROIS POINTES / *SPATENGABEL MIT 2 ZINKEN* / FORCA A 3 PUNTE / *FORQUILHA 3 PONTAS* / 3-ЗУБЬЕВЫЕ ВИЛЫ

COD.	MAT.	COD.	MAT.	L x W x H (mm)	g
74231	Cu-Be	74232	Al-Bron	1025 x 200 x 185	1500

HORQUILLA 4 PUNTAS / *4 PRONG FORK* / FOURCHE À QUATRE POINTES / *SPATENGABEL MIT 4 ZINKEN* / FORCA A 4 PUNTE / *FORQUILHA 4 PONTAS* / 4-ЗУБЬЕВЫЕ ВИЛЫ

COD.	MAT.	COD.	MAT.	L x W (mm)	g
74234	Cu-Be	74235	Al-Bron	1225 x 200	2000

COD.	MAT.	COD.	MAT.	L x W (mm)	g
74246	Cu-Be	74244	Al-Bron	900 x 200	2000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

RASTRILLO LIMPIADOR DE OXIDO / *RUST CLEANING RAKE* / RÂTEAU POUR NETTOYAGE DE L'OXIDE / *RECHEN F* / ROST RASTRELLO PER PULIRE L'OSSIDO / *ANSINHO LIMPADOR DE OXIDO* / СКРЕБОК ДЛЯ УДАЛЕНИЯ РЖАВЧИНЫ

COD.	MAT.	COD.	MAT.	L x W x H (mm)	g
74237	Cu-Be	74238	Al-Bron	350 x 100 x 100	900

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

COD.	MAT.	COD.	MAT.	L x W x H (mm)	g
74258	Cu-Be	74259	Al-Bron	1270 x 350 x 100	1300
74260		74261		1270 x 450 x 120	1500

CORTE / *CUTTING* / OUTILS COUPANTS / *SCHNEIDWERKZEUG* / ARCHETTI / *CORTE* / РЕЗКА

CORTAVARILLAS / *BOLT CUTTERS* / COUPE-BOULONS / *BOLZENSCHNEIDER* / TAGLIABULLONI / *CORTA VARAO* / АРМАТУРНЫЕ НОЖНИЦЫ

COD.	MAT.	COD.	MAT.	L (inch)	CAP 50 kg/mm² 100 kg/mm²	g
73876	Cu-Be	74216	Al-Bron	12	4-2	1450
73908		74221		14	5-3	1600
73939		74224		18	6-4	2500
73415		73423		24	8-5	3000

COD.	MAT.	COD.	MAT.	L (inch)
36278	Cu-Be	36279	Al-Bron	12
36280		36281		14
36282		36283		18
35760		35761		24

CIZALLA DE PASO LIBRE A LA DERECHA / *RIGTH CUT NIPPER SHEAR* / CISAILLE COUPE DROITE / *SCHNEIDSCHERE RECHTS* / CESOIA TAGLIO DESTRO / *TESOURA DE PASSAGEM LIVRE A DIREITA* / НОЖНИЦЫ ПРАВОЙ РЕЗКИ

COD.	MAT.	COD.	MAT.	L (mm)	g
70528	Cu-Be	70545	Al-Bron	275	600

TIJERAS / *TIN SNIPS* / CISAILLES / *BLECHSCHERE* / FORBICI / *TESOURAS* / НОЖНИЦЫ ДЛЯ ЖЕСТИ

COD.	MAT.	COD.	MAT.	L (mm)	g
70529	Cu-Be	70546	Al-Bron	225	300

COD.	MAT.	COD.	MAT.	L (mm)	g
72460	Cu-Be	72461	Al-Bron	150	90

COD.	MAT.	COD.	MAT.	L (mm)	g
73892	Cu-Be	73893	Al-Bron	290	220
73894		73895		360	850

TIJERAS DE HOJALATERO / *TIN SNIPS* / CISEAUX DE TOLIER / *BLECHSCHEREN* / CESOIA PER LATTONNIERI / *TESOURAS DE CHAPA* / НОЖНИЦЫ ПО ЖЕСТИ

COD.	MAT.	COD.	MAT.	L (mm)	g
72458	Cu-Be	72459	Al-Bron	300	450

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

COD.	MAT.	COD.	MAT.	L (mm)	g
72220	Cu-Be	72221	Al-Bron	500	600

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

COD.	MAT.	L (mm)	TPI	g
72223	Cu-Be	300	18	35

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

COD.	MAT.	COD.	MAT.	L (mm)	g
72468	Cu-Be	72469	Al-Bron	370	125

SERRUCHO / *HANDSAW* / SCIE ÉGOÏNE / *HANDSÄGE* / SEGHETTO / *SERROTE* / НОЖОВКА

COD.	MAT.	COD.	MAT.	L (mm)	g
74228	Cu-Be	74229	Al-Bron	700	550

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

COD.	MAT.	COD.	MAT.	L (mm)	g
71611	Cu-Be	71612	Al-Bron	30 x 200	70

COD.	MAT.	COD.	MAT.	L (mm)	g
71613	Cu-Be	71614	Al-Bron	250	90

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

COD.	MAT.	COD.	MAT.	L (mm)	g
73741	Cu-Be	73742	Al-Bron	60 x 115	180

BROCAS / *TWIST DRILL* / MÈCHES / *BOHRER* / PUNTE PER TRAPANO / *BROCAS* / СВЕРЛО

COD.	MAT.	O.D. mm	L (mm)	g
73632	Cu-Be	6	100	25
73633		7	120	35
73634		8	140	55
73635		9	160	80
73636		10	180	110
73637		11	200	150
73638		12	220	200
73639		13	240	250
73640		14	260	320
73641		15	280	400
73642		16	300	470
73643		17		540
73644		18	320	650
73645		19		720
73646		20	330	820

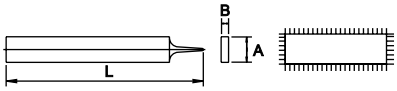
CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Para materiales con dureza < 20HRC / *For materials with hardness < 20HRC* / Pour les matériaux de dureté < 20HRC

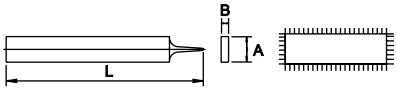
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

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

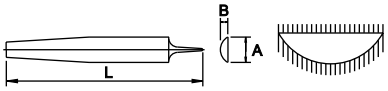


COD.	MAT.		L (mm)	A (mm)	B (mm)	g
71607	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	200	20	6	350
71608			300	31	8	750



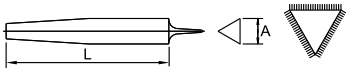
COD.	MAT.		L (mm)	A (mm)	B (mm)	g
72237	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	500	41	12	1800

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



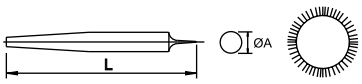
COD.	MAT.		L (mm)	A (mm)	B (mm)	g
71603	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	200	19	10	450

LIMA TRIANGULAR / *TRIANGULAR FILES* / LIMES TRIANGULAIRES / *DREIKANTFEILEN* / LIMA TRIANGOLARE / *LIMA TRIANGULAR* / ТРЕУГОЛЬНЫЕ НАПИЛЬНИКИ



COD.	MAT.		L (mm)	A (mm)	g
35566	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	200	12	115

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



COD.	MAT.		L (mm)	Ø A (mm)	g
71605	Cu-Be	ENTREFINA / *MEDIUM* / DEMI-DOUCE	200	9	450

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

MISCELÁNEA / *MISCELLANEOUS* / DIVERS / *VERSCHIEDENE* / MISCELLANEA / *MISTURA* / РАЗНОЕ

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70447	Cu-Be	71509	Al-Bron	150 x 22	240
70448		71510		200 x 22	310
35864		36029		220 x 23	430
79829		79832		225 x 20	300
70449		71511		250 x 24	500
72614		72622		300 x 24	600
70450		71512		300 x 25	700
79827		79830		305 x 13	210
70451		71513		400 x 27	1100
79828		79831		460 x 26	1200

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

COD.	MAT.	COD.	MAT.	L (mm)	g
73778	Cu-Be	73779	Al-Bron	140	270
73780		73781		200	450
73782		73783		300	800

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

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
73788	Cu-Be	73789	Al-Bron	14 x 160	14	175
73790		73791		16 x 160	16	230
73792		73793		18 x 160	18	280
73794		73795		18 x 200		370
73796		73797		20 x 200	20	470
73798		73799		24 x 250	24	800
73800		73801		24 x 300		1000
73802		73803		25 x 300	25	1250
73804		73805		25 x 400		1400
73806		73807		25 x 500		1800
73808		73809		30 x 500	30	2650

CORTAFRÍOS HEXAGONAL / *HEXAGONAL COLD CHISEL* / BÉDANE HÉXAGONALE / *HEX MEIßEL* / SCALPELLO ESAGONALE TAGLIO A FREDDO / *ESCOPRO HEXAGONAL* / ШЕСТИГРАННОЕ ЗУБИЛО

COD.	MAT.	COD.	MAT.	L (mm)	AF mm	g
73811	Cu-Be	73812	Al-Bron	12 x 150	10	100
73813		73814		16 x 200	14	250
73815		73816		18 x 160	16	260
73817		73818		16 x 250	14	320
73819		73820		19 x 300	17	700
73821		73822		19 x 350		900
73823		73824		24 x 600	22	1800
73825		73826		28 x 300	25	1100
73827		73828		35 x 500	30	2700

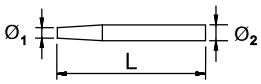
GRANETE / *CENTRE PUNCH* / POINTEAU / *KÖRNER* / PUNTE DA CENTRO / *PUNÇAO DE BICO* / МЕТЧИК

COD.	MAT.	COD.	MAT.	L (mm)	g
71514	Cu-Be	71516	Al-Bron	100	60
71515		71517		150	80

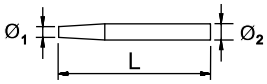
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

BOTADORES CÓNICOS / *TAPER PUNCHES* / CHASSE CLOU / *KÖRNER* / PUNZONE CONICO / *PUNÇÕES CÓNICOS* / КОНИЧЕСКИЕ ПРОБОЙНИКИ

MM



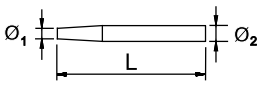
COD.	MAT.	COD.	MAT.	Ø 1 (mm)	Ø 2 (mm)	L (mm)	g
70426	Cu-Be	71472	Al-Bron	2	10	150	60
70427		71473		3			
70428		71474		4			
70429		71475		5			
70430		71476		6			
70431		71477		7	12		70
70432		71478		8			
70433		71479		9	14		200
70434		71480		10			
70435		71481		11	16		
70436		71482		12			
70437		71483		13	18		300
70438		71484		14			
70439		71485		15	20	200	400
70440		71486		16			
70441		71487		17	22		500
70442		71488		18			
70443		71489		19	24	250	800
70444		71490		20			
70445		71491		21	26		900
70446		71492		22			
76099		76100		23			950
76101		76102		24			1100
35756		76065			28		1200
36542		36543		25	30	180	1100
76103		76104				250	1500
76105		76106		26	26		1200
35757		76069			30		1300
76107		76108		27			1400
35758		76071		28	32		1550
35759		76098		30	34		1800
36544		36545		35	40	200	2000



COD.	MAT.	Ø 1 (mm)	Ø 2 (mm)	L (mm)	g
36062	Latón / *Brass* / Laiton	2	10	150	100
36065		3			
36078		4			
36079		5			
36081		6			130
36088		8	12		170
36089		10	14		250
36182		12	16		300

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

INCH



COD.	MAT.	COD.	MAT.	Ø 1 (inch)	Ø 2 (inch)	L (mm)	g
73583	Cu-Be	73572	Al-Bron	1/8	3/8	150	950
73584		73573		3/16			
73585		73574		1/4			
73586		73575		5/16	7/16		
73587		73576		3/8	17/32		
73588		73577		1/2	19/32		
73589		73578		5/8	3/4	200	
73590		73579		3/4	15/16	250	1000
73591		73580		7/8	1		

BOTADORES CILÍNDRICOS / *PIN PUNCHES* / CHASSES GOUPILLES / *DURCHSCHLÄGER* / PUNZONE CILINDRICO / *PUNÇÕES CILÍNDRICOS* / ПРОБОЙНИКИ

COD.	MAT.	COD.	MAT.	Ø 1 (mm)	Ø 2 (mm)	L (mm)	g
71518	Cu-Be	71527	Al-Bron	1,4	3	110	5
71519		71528		1,8	4		10
36183		36208		2	5		
71520		71529		2,4			
71521		71530		2,8	6		19
71522		71531		3			
71523		71532		4	8	120	38
71524		71533		5	10	130	65
71525		71534		6	12	140	95
71526		71535		8	16	150	175
36546		36547		10			210
36211		36212			14		175
36213		36214		12			260
36548		36549			18	160	270
72637		76109		13		200	370

COD.	MAT.	Ø 1 (mm)	Ø 2 (mm)	L (mm)	g
36186	Latón / *Brass* / Laiton	2	10	110	20
36187		3			
36188		4		120	60
36189		5	12	130	150
36194		6		140	
36195		8	14	150	200
36196		10			230
36197		12			250

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

COD.	MAT.	COD.	MAT.	L (mm)	AF mm	g
71544	Cu-Be	71548	Al-Bron	200	16	300
71545		71549		250	17	500
71546		71550		300	19	600
71547		71551		400	20	1000

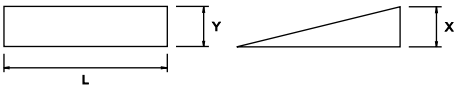
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

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

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

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

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



COD.	MAT.	COD.	MAT.	L (mm)	Y	X	g
78967	Cu-Be	78968	Al-Bron	80	13	6-0	50
70452		71493		100	50	10-0	200
70453		71494		135		18-0	500
70454		71495		150	25	8-0	100
70455		71496				13-0	200
70456		71497			40	8-0	
70457		71498			50	13-0	400
70458		71499		180	13	6-0	300
70459		71500			32	13-0	
70460		71501			50	19-0	700
70461		71502		200	20	30-0	500
70377		36216			30	20-0	600
70462		71503				30-0	800
70463		71504			40	40-0	1300
70464		71505			50	12-0	500
70465		71506		230	40	20-0	800
70466		71507		250		30-0	1300
70467		71508		300	50	40-0	2500

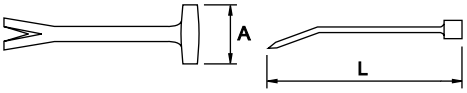
PALANCA / *PINCHBAR* / PINCE À TALON / *BRECHSTANGE* / LEVA / *AVALANCA* / МОНИТРОВКА

COD.	MAT.	COD.	MAT.	L (mm)	Kg
70468	Cu-Be	71570	Al-Bron	19 x 500	1,3
70469		71571		23 x 800	2,9
70470		71572		28 x 1000	4,5

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	Kg
73833	Cu-Be	73834	Al-Bron	500	15	0,7
73835		73836			19	1,0
73837		73838			20	1,2
73839		73840			25	1,8
73841		73842			30	2,7
73843		73844		600	25	2,2
73845		73846			30	3,3
73847		73848		800	23	2,1
73849		73850			25	3,0
73851		73852			30	4,5
73853		73854		850		
73855		73856		1000	25	3,8
73857		73858			28	4,5
73859		73860			30	5,5
73861		73862		1200	25	4,5
73863		73864			30	6,5

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	Kg
73865	Cu-Be	73866	Al-Bron	1500	30	8,5

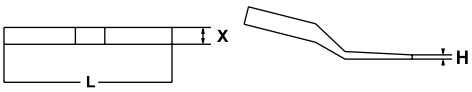


COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	Kg
76545	Cu-Be	76546	Al-Bron	230	70	0,5

BARRA DE DESENCOFRAR / *WRECKING BAR* / PINCE MONSEIGNEUR / *BRECHEISEN* / APRICASSE CON LEVA CHIODI / *PE DE CABRA* / КРЮК

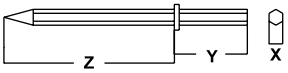
COD.	MAT.	COD.	MAT.	L (mm)	Kg
71573	Cu-Be	71577	Al-Bron	16 x 460	1,3
71574		71578		19 x 600	2,4
71575		71579		19 x 750	3,0
71576		71580		19 x 900	3,3

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

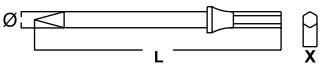


COD.	MAT.	COD.	MAT.	L (mm)	X	H (mm)	g
72601	Cu-Be	72602	Al-Bron	200	20	5	450
72603		72604		250		8	600

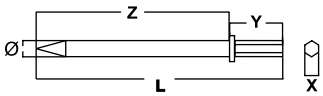
CINCELES NEUMÁTICOS / *PNEUMATIC CHISELS* / BURINS PNEUMATIQUES / *PNEUMATISCHE MEISSEL* / SCALPELLO PNEUMATICO / *ESCOPROS PNEUMÁTICOS* / ПНЕВМО ДОЛОТА



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



COD.	MAT.	COD.	MAT.	L (mm)	X	O.D. mm	g
72585	Cu-Be	72586	Al-Bron	125	10	12	120
72587		72588		175			170



COD.	MAT.	COD.	MAT.	L (mm)	X	Y	Z	O.D. mm	g
35790	Cu-Be	35791	Al-Bron	435	22	85	350	25	1700

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

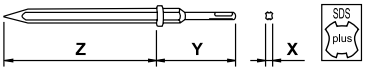
ANTICHISPA
NON-SPARKING
ANTIDÉFLAGRANT
FUNKENFREI
ANTISCINTILLA
ANTI-DEFLAGRANTE
ИСКРОБЕЗОПАСНЫЙ

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

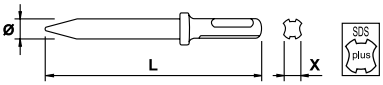
COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
72589	Cu-Be	72590	Al-Bron	125	10	20	150
72591		72592		175			190

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

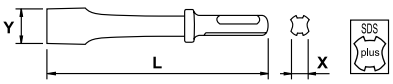
COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
72597	Cu-Be	72598	Al-Bron	125	10	20	150
72599		72600		175			190



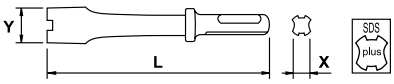
COD.	MAT.	COD.	MAT.	X	Y	Z	g
35570	Cu-Be	35571	Al-Bron	10	150	350	3200



COD.	MAT.	COD.	MAT.	L (mm)	X	O.D. mm	g
35572	Cu-Be	35573	Al-Bron	125	10	12	120
35574		35575		175			170

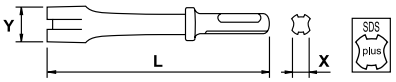


COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
35576	Cu-Be	35577	Al-Bron	125	10	20	150
35578		35579		175			190



COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
35580	Cu-Be	35581	Al-Bron	125	10	20	150
35582		35583		175			190

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза



COD.	MAT.	COD.	MAT.	L (mm)	X	Y	g
35584	Cu-Be	35585	Al-Bron	125	10	20	150
35586		35587		175			190

TRAZADOR / *MARKING TOOL* / POINTE À TRACER / *MARKIERUNGSWERKZEUG* / TRACCIATORE / *TRAÇADOR* / МАРКИРОВЩИКИ

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
74217	Cu-Be	74218	Al-Bron	400	12	500
74219		74220		600	16	1000

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
72216	Cu-Be	72217	Al-Bron	190	4	15
74222		74223		250		20

PUNZÓN / *AWL* / POINÇON / *AHLE* / PUNZONE / *PUNÇÃO* / ШИЛО

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
74225	Cu-Be	74226	Al-Bron	100 x 180	3	50

BMAT

COD.	MAT.	L (mm)	O.D. mm	g
36094	Latón / *Brass* / Laiton	350 X 450	9	200

BMAT

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

COD.	MAT.	COD.	MAT.	MAX mm	CAP. (kg)	g
74247	Cu-Be	74248	Al-Bron	1060	700	3200

RASQUETA / *LONG BLADE SCRAPER* / LONGUE RACLETTE / *FLACHSCHABER* / RASCHIETTO / *RASCADOR* / ШИРОКАЯ ЛОПАТКА

COD.	MAT.	COD.	MAT.	L x W (mm)	Kg
71562	Cu-Be	71566	Al-Bron	60 x 185	1,2
71563		71567		100 x 225	1,5
71564		71568		150 x 180	2,6
71565		71569		125 x 225	1,2

COD.	MAT.	COD.	MAT.	L (mm)	g
73759	Cu-Be	73760	Al-Bron	95 x 480	650

BMAT

COD.	MAT.	COD.	MAT.	L (mm)	g
72155	Cu-Be	72156	Al-Bron	50 x 900	650

Cu-Be	Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron	Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass	Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

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

COD.	MAT.	COD.	MAT.	L (mm)	g
73744	Cu-Be	73745	Al-Bron	50 x 900	650

COD.	MAT.	COD.	MAT.	L (mm)	g
73750	Cu-Be	73751	Al-Bron	50 x 695	900
73752		73753		75 x 710	1100
73754		73755		100 x 710	1200
73756		73757		150 x 750	2000

COD.	MAT.	COD.	MAT.	L (mm)	g
72167	Cu-Be	72168	Al-Bron	40 x 270	350

COD.	MAT.	COD.	MAT.	L (mm)	g
73747	Cu-Be	73749	Al-Bron	48 x 300	400

COD.	MAT.	COD.	MAT.	L (mm)	g
73762	Cu-Be	73763	Al-Bron	75 x 600	650

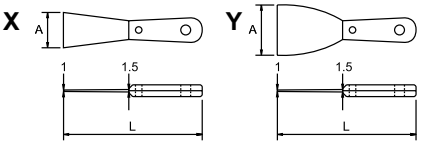
RASQUETA CURVA / *ARCHED SCRAPER* / GRATTOIR COURBÉ / *SPACHTEL FÜR GEBOGEN FLÄCHEN* / RASPE CURVE / *RASPADOR CURVO* / ИЗОГНУТЫЙ СКРЕБОК

COD.	MAT.	COD.	MAT.	L (mm)	g
73765	Cu-Be	73766	Al-Bron	50 x 190	400
73767		73768		100 x 210	650
73769		73770		150 x 220	800

RASQUETA PLANA / *FLAT SCRAPER* / GRATTOIR PLAT / *FLACHSCHABER* / RASCHIETTO PIATTO / *RASPADOR PLANO* / ЛОСКИЙ СКРЕБОК

COD.	MAT.	COD.	MAT.	L (mm)	g
72157	Cu-Be	72162	Al-Bron	30 x 200	300
72158		72163		30 x 300	425
72159		72164		35 x 350	550
72160		72165		50 x 350	900
72161		72166		60 x 400	1400

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

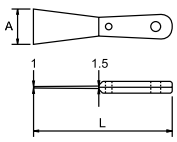


COD.	MAT.	COD.	MAT.	Mod.	A (mm)	L (mm)	g
70471	Cu-Be	71621	Al-Bron	X	25	200	85
70472		71622			30		95
70473		71623			40		105
70474		71624			50		115
70475		71625			60		
79834		79835			140		190

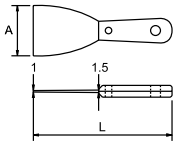
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	Mod.	A (mm)	L (mm)	g
70476	Cu-Be	71626	Al-Bron	Y	75	200	135
70477		71627			80		150
70478		71628			100		

X



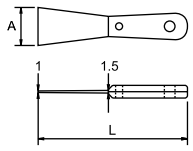
Y



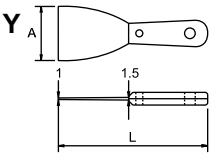
COD.	MAT.	COD.	MAT.	Mod.	A (mm)	L (mm)	g
36030	Cu-Be	36031	Al-Bron	X	25	200	100
36032		36033			30		110
36034		36035			40		120
36036		36037			50		130
36038		36039			60		140

COD.	MAT.	COD.	MAT.	Mod.	A (mm)	L (mm)	g
36040	Cu-Be	36041	Al-Bron	Y	75	200	180
36042		36043			80		190
36044		36045			100		220

X



Y

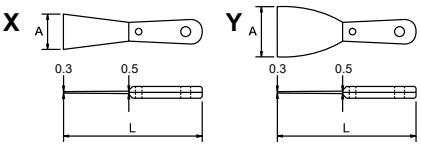


COD.	MAT.	Mod.	A (mm)	L (mm)	g
36092	Latón / *Brass* / Laiton	Y	30	200	140
36093			60		160

EGA Master
ART IN INNOVATION

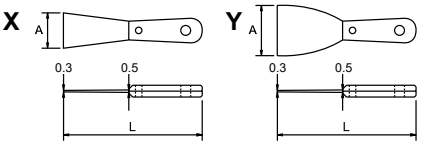
Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

ESPÁTULA DE HOJA FLEXIBLE / *FLEXIBLE BLADE SCRAPER* / SPATULE À LÂME SOUPLE / *SCHABER MIT FLEXIBELES BLATT* / SPATOLA FLESSIBILE / *ESPÁTULA DE FOLHA FLÉXIVEL* / ШПАТЕЛЬ



COD.	MAT.	Mod.	A (mm)	L (mm)	g
35730	Cu-Be	X	25	200	85
35732			30		95
35734			40		105
35736			50		115
35738			60		

COD.	MAT.	Mod.	A (mm)	L (mm)	g
35740	Cu-Be	Y	75	200	135
35742			80		150
35744			100		

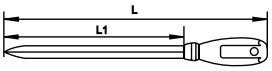


COD.	MAT.	Mod.	A (mm)	L (mm)	g
36046	Cu-Be	X	25	200	100
36048			30		110
36050			40		120
36052			50		130
36054			60		140

COD.	MAT.	Mod.	A (mm)	L (mm)	g
36056	Cu-Be	Y	75	200	180
36058			80		190
36060			100		220

BE SAFE...BE EFFICIENT

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

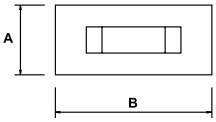
RASQUETA TRIANGULAR / *TRIANGULAR SCRAPER* / GRATTOIR TRIANGULAIRE / *DREIECKIGER SPACHTEL* / RASCHIETTO TRIANGOLARE / *RASCADOR TRIANGULAR* / ТРЕУГОЛЬНЫЙ СКРЕБОК

COD.	MAT.	COD.	MAT.	L (mm)	L1 (mm)	g
73422	Cu-Be	73399	Al-Bron	420	300	250

COD.	MAT.	COD.	MAT.	L (mm)	g
73775	Cu-Be	73776	Al-Bron	150 x 470	1000

PICO Y RASQUETA / *SCRAPER PICK AND SCALER* / PIQUE ET RACLETTE / *REINIGUNGSWERKZEUG* / PICCONE E RASCHIETTI / *BICO E PÁ* / СКАЛЫВАЮЩИЙ СКРЕБОК

COD.	MAT.	COD.	MAT.	L (mm)	g
73785	Cu-Be	73786	Al-Bron	75 x 450	1200

LLANA / *TROWEL* / TRUELLE / *KELLEN* / FRATTONI / *TALOCHA* / ГЛАДИЛКА



COD.	MAT.	COD.	MAT.	A (mm)	B (mm)	g
36070	Cu-Be	36071	Al-Bron	150	300	850

CUBO / *BUCKET* / SEAU / *EIMER* / SECCHIO / *BALDE* / ВЕДРО

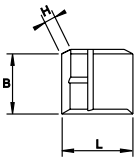
COD.	MAT.	L (mm)	O.D. mm	g
72486	Cu-Be	250	270	1500

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

COD.	MAT.	L (mm)	Ø 1 (mm)	Ø 2 (mm)	H (mm)	H1 (mm)	g
72487	Cu-Be	150	70	45	40	85	100
72488		200	120	100	75	120	250
72489		270	140	120	80	150	350
74620		350	160	135	90	190	600

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

RECOGEDOR / *DUSTPAN* / PELLE / *HANDSCHAUFEL* / RACCOGLITORE / *RECIPIENTE* / СОВОК



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

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

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

COD.	MAT.	L (mm)	O.D. mm	g
73877	Cu-Be	180	3	12

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

COD.	MAT.	L (mm)	MAX mm	g
74240	Cu-Be	130	160	230
74241		165		250

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

COD.	MAT.	L (mm)	O.D. mm	g
74243	Cu-Be	1100	165	2300

CAZO / *DIPPER* / LOUCHE / *TRICHTER KANNE* / RECIPIÈNTE / *CONCHA* / КОВШ

COD.	MAT.	L (mm)	O.D. mm	g
74245	Cu-Be	350	85	200

PLOMADA / *LINER* / PLOMB / *SCHLAGSCHNURROLLER* / GESSO TRACCIATORE / *LINHAS DE TRAÇAR* / ОТВЕС

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

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

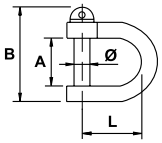
POLEA / *CHAIN HOIST* / PALAN / *KETTENZUG* / PARANCHI A MANO CON CATENA / *DIFERENCIAL MANUAL* / ЦЕПНАЯ ТАЛЬ

COD.	MAT.	COD.	MAT.	CAP. (kg)	CAP. (m)	Kg
71638	Cu-Be	71642	Al-Bron	500	3	14
71639		71643		1000		
71640		71644		2000		18
71641		71645		3000		22
72141		72142		5000		30

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

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

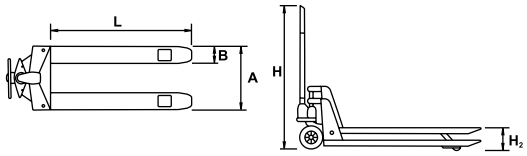
GRILLETE / *SHACKLE* / MANILLE / *SCHÄKEL* / GRILLI / *MANILHA* / РЫМ



COD.	MAT.	COD.	MAT.	CAP. (kg)	L (mm)	A (mm)	B (mm)	Ø (m)	g
73429	Cu-Be	73424	Al-Bron	1200	40	30	60	10	170

CE

TRANSPALETA HIDRÁULICA / *HYDRAULIC PALLET TRUCK* / TRANSPALETTE HYDRAULIQUE / *HYDRAULISCHER HUBWAGEN* / TRASPALLET IDRAULICO / *PORTA-PALETES HIDRÁULICO* / ГИДРАВЛИЧЕСКАЯ ТЕЛЕЖКА



COD.	MAT.	COD.	MAT.	CAP. (kg)	L (mm)	A (mm)	B (mm)	H (mm)	H2 (mm)	Kg
76547	Cu-Be	76548	Al-Bron	2000	1190	550	160	1240	90-190	125

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

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

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

COD.	N.º filas / *Rows* / Rangées	L (mm)	g
70479	3	280	170
70480	4		200
70481	5		220

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

COD.	N.º filas / *Rows* / Rangées	L (mm)	g
71632	5	180	200

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

COD.	N.º filas / *Rows* / Rangées	L (mm)	g
72739	3	350	150

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

COD.	N.º filas / *Rows* / Rangées	L (mm)	g
73419	6	215	60
72526	4	290	170

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

COD.	N.º filas / *Rows* / Rangées	L (mm)	g	
61581	4	280	120	3

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

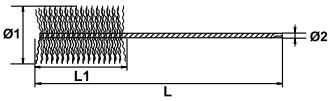
Latón / *Brass* / Laiton

COD.	I.D. mm	O.D. mm	g
71634	22,2	150	700
73426	32	200	1000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза



COD.	L (mm)	L1 (mm)	Ø 1 (mm)	Ø 2 (mm)	g
79226	320	100	82	6,6	55

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Latón / *Brass* / Laiton

Cerdas antiestáticas / *Antistatic bristles* / Brosses antistatiques

PICOS / *PICKS* / PIOCHES / *MAURER HAMMERS* / PICCONI / *PICADEIRA* / КИРКИ

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

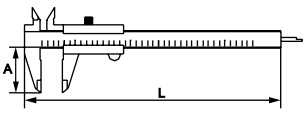
HACHA / *AXE* / HACHE / *AXTE* / ASCIA / *MACHADO* / ТОПОР

COD.	MAT.	COD.	MAT.	L (mm)	H (mm)	B (mm)	g
72153	Cu-Be	72154	Al-Bron	340	200	82	950

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

COD.	MAT.	COD.	MAT.	L (mm)	A (mm)	B (mm)	Kg
72151	Cu-Be	72152	Al-Bron	340	145	98	1,3

CALIBRES / *CALIPERS* / PIEDS À COULISSE / *WERKSTATTMESSSCHIEBERS* / CALIBRI / *PAQUÍMETROS* / ШТАНГЕНЦИРКУЛИ



COD.	MAT.	L (mm)	mm	A (mm)	L (mm)	g
73730	Cu-Be	150	0,02	40	235	350

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

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70488	Cu-Be	71743	Al-Bron	280	200
70489		71744		310	500
70490		71745		340	700
70491		71746		350	900
36068		36069			1100

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Alluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	L (mm)	g
35933	Cu-Be	35937	Al-Bron	280	200
35934		35938		310	500
35935		35939		340	700
35936		35940		350	900
36226		36231		380	1100

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

COD.	MAT.	COD.	MAT.	L (mm)	g
72782	Latón / *Brass* / Laiton	72788	Cu	280	230
72783		72789			340
72784		72790		310	450
72785		72791		340	680
72786		72792		350	910
72787		72793		400	1130

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
36001	Latón / *Brass* / Laiton	36007	Cu	300	230
36002		36008			340
36003		36009			450
36004		36010		325	680
36005		36011		365	910
36006		36012			1130

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70492	Cu-Be	71747	Al-Bron	350	500
70493		71748			900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
35941	Cu-Be	35943	Al-Bron	380	500
35942		35944			900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70494	Cu-Be	71749	Al-Bron	300	100
70495		71750			200
70496		71751			300
70497		71752			500
70498		71753			800

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

COD.	MAT.	COD.	MAT.	L (mm)	g
70499	Cu-Be	71754	Al-Bron	340	1000
70500		71755		400	1500
70501		71756			2000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
35945	Cu-Be	35953	Al-Bron	300	100
35946		35954			200
35947		35955			300
35948		35956			500
35949		35957			800
35950		35958		340	1000
35951		35959		380	1500
35952		35960		450	2000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA OCTOGONAL / *SLEDGE MALLET* / MASSETTE OCTOGONALE / *SCHLAGHAMMER* / MAZZETTA OTTOGONALE / *MARRETA OCTOGONAL* / КУВАЛДА

COD.	MAT.	COD.	MAT.	L (mm)	Kg
36215	Cu-Be	36028	Al-Bron	370	0,5
70502		71757			1,0
70503		71758			1,5
70504		71759			2,0
70505		71760		900	2,5
70506		71761			3,0
70507		71762			4,5
70508		71763			5
70509		71764			7
70510		71765			8,0
72213		72211			10
72975		72974			12

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	Kg
36184	Cu-Be	36185	Al-Bron	370	0,5
35865		35882			1,0
35866		35883			1,5
35867		35884			2,0
35868		35885		900	2,5
35869		35886			3,0
35870		35887			4,5
35871		35888			5
35872		35889			6,8
35873		35890			8,0
35874		35891			10
35875		35892			12

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

COD.	MAT.	COD.	MAT.	L (mm)	lb
79930	Cu-Be	79931	Al-Bron	380	2,0
35762		35763			3,0
35764		35765		840	5
35766		35767			7,5
35768		35769			10
79932		79933			12
35770		35771			15
35772		35773			18

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	lb
36438	Cu-Be	36439	Al-Bron	380	2,0
35876		35893			3,0
35877		35894		840	5
35878		35895			7,5
35879		35896			10
36440		36441			12
35880		35897			15
35881		35898			18

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

COD.	MAT.	L (mm)	g
72740	Latón / *Brass* / Laiton	280	300
72741		300	500
72742		370	1000
72743			1500
72744			2000
72745		900	3000
72746			4000
72747			5000
72748			7000
72749			10000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
35965	Latón / *Brass* / Laiton	310	300
35966			500
35967		320	1000
35968		360	1500
35969		380	2000
35970		700	3000
35971		800	4000
35972			5000
35973		900	7000
35974			10000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

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

COD.	MAT.	L (mm)	g
72750	Cu	300	450
72751		370	1000
72752		900	2500
72753			3600
72754			4500
72755			5400
72756			6400
72757			10000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
35975	Cu	310	450
35976		320	1000
35977		380	2500
35978		700	3600
35979		800	4500
35980			5400
35981			6400
35982		900	10000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA CUADRADA TIPO ALEMÁN / *GERMAN TYPE MALLET* / MASSETTE TYPE ALLEMAND / *FÄUSTEL* / MAZZETA / *MARRETA* / КУВАЛДА КАМЕНЩИКА НЕМЕЦКОГО ТИПА

COD.	MAT.	COD.	MAT.	L (mm)	Kg
70511	Cu-Be	71766	Al-Bron	400	1,0
70512		71767			1,5
70513		71768			2,0
70514		71769		900	2,5
70515		71770			3,0
72098		72099			3,5

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	Kg
35899	Cu-Be	35905	Al-Bron	380	1,0
35900		35906			1,5
35901		35907			2,0
35902		35908		900	2,5
35903		35909			3,0
35904		35910			3,5

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / *Kupfer beryllium* / Koper beryllium / *Rame-berillio* / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / *Alliage aluminium-bronze* / Aluminium brons / *Aluminio bronzo* / Сплав Аллюминий Бронза
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

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

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

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
35983	Latón / *Brass* / Laiton	35992	Cu	310	500
35984		35993		320	1000
35985		35994		360	1500
35986		35995		380	1800
35987		35996			2000
35988		35997			2700
35989		35998		700	3600
35990		35999		800	4000
35991		36000		900	5000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

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

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	Kg
35961	Cu-Be	35963	Al-Bron	380	1,3
35962		35964			2,1

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

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

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

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

COD.	MAT.	COD.	MAT.	L (mm)	g
35911	Cu-Be	35915	Al-Bron	280	200
35912		35916		355	400
35913		35917			600
35914		35918		380	900

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO PARA PIEDRA / *STONE WEDGE* / MARTEAU PLAT / *MAURERHAMMER* / MARTELLO PER PIETRE / *MARTELO PARA PEDRA* / МОЛОТОК КАМЕНЩИКА

COD.	MAT.	COD.	MAT.	L (mm)	Kg
70522	Cu-Be	71777	Al-Bron	400	1,0

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	Kg
35919	Cu-Be	35920	Al-Bron	380	1,0

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

COD.	MAT.	COD.	MAT.	L (mm)	g
70523	Cu-Be	71778	Al-Bron	340	700
70524		71779			800

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	g
35921	Cu-Be	35923	Al-Bron	340	700
35922		35924			800

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO DE UÑA / *CLAW HAMMER* / MARTEAU DE CHARPENTIER / *KLAUEN HAMMER* / MARTELLO CARPENTIERE / *MARTELO DE UNHA* / МОЛОТОК С ГВОЗДОДЕРОМ

COD.	MAT.	COD.	MAT.	L (mm)	g
70525	Cu-Be	71780	Al-Bron	325	500
70526		71781			700

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
36027	Latón / *Brass* / Laiton	275	500

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / *Kupfer beryllium* / Koper beryllium / *Rame-berillio* / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / *Alliage aluminium-bronze* / Aluminium brons / *Aluminio bronzo* / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА

COD.	MAT.	COD.	MAT.	L (mm)	g
35925	Cu-Be	35927	Al-Bron	275	500
35926		35928		338	700

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
70527	Cu-Be	71782	Al-Bron	340	50	800
73473		73393		400	55	1000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	COD.	MAT.	L (mm)	O.D. mm	g
35929	Cu-Be	35931	Al-Bron	340	50	800
35930		35932		380	55	1000

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MARTILLO DE TESTEO / *TESTING HAMMER* / MARTEAU DE TEST / *PRÜFHAMMER* / MARTELLO DA TEST / *MARTELO DE TESTES* / ПРРОВЕРОЧНЫЙ МОЛОТОК

COD.	MAT.	COD.	MAT.	L (mm)	g
75211	Cu-Be	75212	Al-Bron	380	125
75214		75213			250

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MAZA TIPO TAMBOR / *DRUM TYPE STONING HAMMER* / MASSETTE CONIQUE / *LEICHMETALLHAMMER* / MAZZA TIPO A TAMBURO / *MAÇO DE COBRE* / БОЧКООБРАЗНЫЙ МОЛОТОК

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

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

COD.	MAT.	L (mm)	g
72794	Lat / *Brass*	330	205
72795		350	370

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза
Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

COD.	MAT.	L (mm)	g
36013	Lat / *Brass*	330	205
36014		350	370

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

COD.	MAT.	L (mm)	g
72796	Lat / *Brass*	900	4500
72797			5400
72798			7650

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
36015	Lat / *Brass*	800	4500
36016			5400
36017		900	7650

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

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

COD.	MAT.	L (mm)	g
72799	Cu	350	1350

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

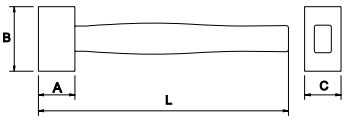
Fibra de vidrio / *Fiberglass* / Fibre en verre

COD.	MAT.	L (mm)	g
36018	Cu	350	1350

CARACTERÍSTICAS / *FEATURES* / CARACTÉRISTIQUES

Madera de nogal / *Hickory wood* / Bois de noyer

MACETA DE COBRE / *SQUARE COPPER MALLET* / MASSETTE CUIVRE / *KUPFERHAMMER* / MAZZETTA DI RAME / *MARRETA DE COBRE* / КВОДРАТНАЯ МЕДНАЯ КУВАЛДА



COD.	MAT.	O.D. mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
69728	Cu	30	240	26	77	29	500	6	
69729		35	260	36	88	39	1000	4	●
69730		40	280	41	99	43	1500		

Lat/Brass Latón / *Brass* / Laiton / *Messing* / Ottone / *Latao* / БРОНЗА
Cu Cobre / *Copper* / Cuivre / *Kupfer* / Rame / *Cobre* / МЕДНАЯ

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

COD.	MAT.	COD.	MAT.	Kg
73734	Cu-Be	73735	Al-Bron	3
73736		73737		5
73738		73739		16

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

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

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

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

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

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

8 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74386	8	51054	Cu-Be	mm	7,5
74387			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
1	70474	71624	Espátula / *Scraper*	50 x 200 mm
	70478	71628		100 x 200 mm
	72157	72162	Raspador plano / *Flat scraper*	30 x 200 mm
	73422	73399	Rasqueta triangular / *Triangular scraper*	360 mm
	73785	73786	Pico y rasqueta / *Scraper pick and scaler*	75 x 450 mm
	71562	71566	Rasqueta / *Scraper*	60 x 185 mm
	73767	73768	Raspador curvo / *Arched scraper*	100 x 210 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

15 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74382	15	50995	Cu-Be	mm	10
74383			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70474	71624	Espátula / *Scraper*	50 mm
	70111	70541	Tenazas Pico Loro / *Groove joint pincers*	12"
	72458	72459	Tijeras de hojalatero / *Tin snips*	300 mm
	70117	71452	Llaves ajustables / *Adjustable wrenches*	8"
	70119	71454		12"
	72452	72453	Llave taponadora universal / *Multi-head bung wrench*	-
	70102	70532	Alicate universal / *Combination pliers*	200 mm
1	70106	70536	Alicate telefonista / *Long nose plier*	
	70526	71781	Martillo de uña / *Claw hammer*	338 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	71613	71614	Cuchillos / *Knives*	250 mm
	73747	73749	Raspador / *Scraper*	48 x 300 mm
	71597	71601	Destornillador Phillips®	PH3
	71585	71592	Destornillador electricista / *Electrician screwdriver*	8 x 150 mm
	70124	71461	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"

16 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74896	16	50995	Cu-Be	mm	10
74897			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70474	71624	Espátula / *Scraper*	50 mm
	70111	70541	Tenazas Pico Loro / *Groove joint pincers*	12"
	72458	72459	Tijeras de hojalatero / *Tin snips*	300 mm
	70117	71452	Llaves ajustables / *Adjustable wrenches*	8"
	70119	71454		12"
	72452	72453	Llave taponadora universal / *Multi-head bung wrench*	-
	70102	70532	Alicate universal / *Combination pliers*	200 mm
1	70106	70536	Alicate telefonista / *Long nose plier*	
	70526	71781	Martillo de uña / *Claw hammer*	338 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	71613	71614	Cuchillos / *Knives*	250 mm
	73747	73749	Raspador / *Scraper*	48 x 300 mm
	71597	71601	Destornillador Phillips® / *Phillips® screwdriver*	PH3
	71585	71592	Destornillador electricista / *Electrician screwdriver*	8 x 150 mm
	70124	71461	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"
	76533	76533	Linterna LED MasterEx / *MasterEx LED torch*	-

17 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74388	17	50994	Cu-Be	mm	3,6
74389			Al-Bron		

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70104	70534	Alicate boca redonda / *Round nose plier*	160 mm
	70103	70533	Alicate boca plana / *Flat nose plier*	
	70107	70537	Alicate corte diagonal / *Diagonal cutting plier*	
	70100	70530	Alicate universal / *Combination pliers*	
	70115	70547	Pinza boca fina / *Neat tip tweezer*	-
	73903	73904	Pelacables / *Wirestripper*	170 mm
	71448	71451	Llaves ajustables / *Adjustable wrenches*	6"
	72260	72281	Destornillador mecánico / *Slotted screwdriver*	3 x 75 mm
1	72263	72284		4 x 100 mm
	72267	72288		6 x 150 mm
	72909	72910	Destornillador Phillips® / *Phillips® screwdriver*	PH0
	71595	71599		PH1
	70410	71354	Llave hexagonal de bola / *Ballpoint hexagonal keys*	3 mm
	70411	71355		4 mm
	70412	71356		5 mm
	70413	71614	Cuchillos / *Knives*	250 mm
	70529	70546	Tijeras / *Scissors*	225 mm

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74390	17	51055	Cu-Be	mm	23
74391			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	71576	71577	Barra de desencofrar / *Wrecking bar*	19 x 900 mm
	70118	71453	Llaves ajustables / *Adjustable wrenches*	10"
	70119	71454		12"
	70120	71455		15"
	70489	71744	Martillo de bola / *Ball pein hammer*	310 mm
	70491	71746		350 mm
	70519	71774	Pico de calderero / *Chipping hammer*	355 mm
	70505	71760	Maceta octogonal / *Sledge hammer*	900 mm
1	73747	73749	Raspador / *Scraper*	48 x 300 mm
	73767	73768	Raspador curvo / *Arched scraper*	100 x 210 mm
	72272	72293	Destornillador / *Screwdriver*	10 x 200 mm
	72273	72294		10 x 300 mm
	73815	73816	Cortafríos hexagonal / *Hexagonal chisel*	18 x 160 mm
	73798	73799	Cortafríos cilíndrico / *Cylindrical chisel*	24 x 250 mm
	70121	71458	Llave Heavy Duty / *Heavy Duty pipe wrench*	8"
	70122	71459		10"
	70124	71461		14"

20 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74380	20	50994	Cu-Be	mm	8
74381			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70124	71461	Llave Heavy Duty / *Heavy Duty pipe wrench*	14"
	70174	70686	Llaves combinadas / *Combination wrenches*	10 mm
	70175	70687		11 mm
	70176	70688		12 mm
	70177	70689		13 mm
1	70178	70690		14 mm
	70181	70693		17 mm
	70183	70695		19 mm
	70186	70698		22 mm
	71596	71600	Destornillador Phillips® / *Phillips® screwdriver*	PH2
	71585	71592	Destornillador electricista / *Electrician screwdriver*	8 x 150
	70118	71453	Llaves ajustables / *Adjustable wrenches*	10"

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
1	70102	70532	Alicate universal / *Combination pliers*	200 mm
	70106	70536	Alicate telefonista / *Long nose plier*	
	70526	71781	Martillo de uña / *Claw hammer*	338 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	73747	73749	Raspador / *Scraper*	48 x 300 mm
	70472	71622	Espátula / *Scraper*	30 mm x 200 mm
	71613	71614	Cuchillos / *Knives*	250 mm
	70110	70540	Tenazas Pico Loro / *Groove joint pincers*	10"

37 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74384	37	50995	Cu-Be	mm	13
74385			Al-Bron		

PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
1	70174	70686	Llaves combinadas / *Combination wrenches*	10 mm
	70175	70687		11 mm
	70176	70688		12 mm
	70177	70689		13 mm
	70178	70690		14 mm
	70179	70691		15 mm
	70181	70693		17 mm
	70183	70695		19 mm
	70186	70698		22 mm
	70188	70700		24 mm
	70110	70540	Tenazas Pico Loro / *Groove joint pincers*	10"
	71613	71614	Cuchillos / *Knives*	250 mm
	70474	71624	Espátula / *Scraper*	50 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	70391	71287	Llave hexagonal / *Hex pipe wrench*	2 mm
	70392	71288		3 mm
	70393	71289		4 mm
	70394	71290		5 mm
	70395	71291		6 mm
	70397	71293		8 mm
	70399	71295		10 mm
	70102	70532	Alicate universal / *Combination pliers*	200 mm
	70107	70537	Alicate de corte diagonal / *Diagonal cutting plier*	160 mm
	70129	71466	Llave sueca / *Swedish pipe wrench*	45° 1.1/2"
	70118	71453	Llaves ajustables / *Adjustable wrenches*	10"
	70119	71454		12"
	70497	71752	Martillo alemán / *German type machinist's hammer*	500 g, 310 mm
	70513	71768	Maceta cuadrada / *Stoning hammer*	2 Kg (400 mm)
	72306	72308	Destornillador electricista / *Electrician screwdriver*	5 x 100 mm
	71585	71592		8 x 150 mm
	71595	71599	Destornillador Phillips® / *Phillips® screwdriver*	PH1
	71597	71601		PH3
	73796	73797	Cortafrio cilíndrico / *Cylindrical chisel*	20 x 200 mm
	73780	73781	Cincel en punta / *Cross cutting chisel*	200 mm
	70429	71475	Botador / *Pin punch*	5 mm, 150 x 10 mm
	70434	71480		10 mm, 150 x 14 mm
	70529	70546	Tijeras / *Scissors*	225 mm

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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

38 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
74898 74899	38	50995	Cu-Be Al-Bron	mm	13

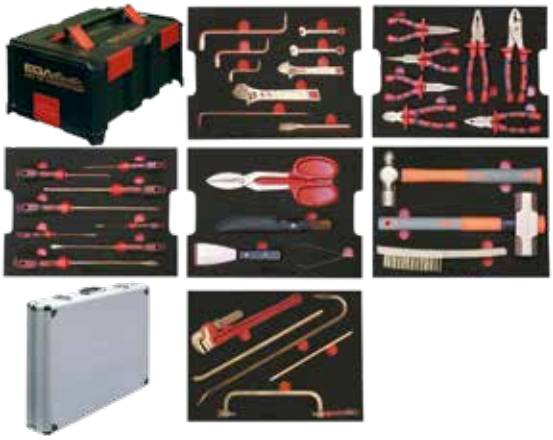
PCS.	Cu-Be	Al-Bron	Descripción / *Description* / Description	
	70174	70686	Llaves combinadas / *Combination wrenches*	10 mm
	70175	70687		11 mm
	70176	70688		12 mm
	70177	70689		13 mm
	70178	70690		14 mm
	70179	70691		15 mm
	70181	70693		17 mm
	70183	70395		19 mm
	70186	70698		22 mm
	70188	70700		24 mm
	70110	70540	Tenazas Pico Loro / *Groove joint pincers*	10"
	71613	71614	Cuchillos / *Knives*	250 mm
	70474	71624	Espátula / *Scraper*	50 mm
	61581	61581	Cepillos / *Brushes*	4 x 16 x 240 mm
	70391	71287	Llave hexagonal / *Hex pipe wrench*	2 mm
	70392	71288		3 mm
	70393	71289		4 mm
	70394	71290		5 mm
1	70395	71291		6 mm
	70397	71293		8 mm
	70399	71295		10 mm
	70102	70532	Alicate universal / *Combination pliers*	200 mm
	70107	70537	Alicate de corte diagonal / *Diagonal cutting plier*	160 mm
	70129	71466	Llave sueca / *Swedish pipe wrench*	45° 1.1/2"
	70118	71453	Llaves ajustables / *Adjustable wrenches*	10"
	70119	71454		12"
	70497	71752	Martillo alemán / *German type machinist's hammer*	500g, 310 mm
	70513	71768	Maceta cuadrada / *Stoning hammer*	2 Kg (400 mm)
	72306	72308	Destornillador electricista / *Electrician screwdriver*	5 x 100 mm
	71585	71592		8 x 150 mm
	71595	71599	Destornillador Phillips® / *Phillips® screwdriver*	PH1
	71597	71601		PH3
	71596	73797	Cortafrio cilíndrico / *Cylindrical chisel*	20 x 200 mm
	73780	73781	Cincel en punta / *Cross cutting chisel*	200 mm
	70429	71475	Botador / *Pin punch*	5 mm, 150 x 10 mm
	70434	71480		10 mm, 150 x 14 mm
	70529	70546	Tijeras / *Scissors*	225 mm
	76533	76533	Linterna LED MasterEx / *MasterEx LED torch*	-

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий
Al-Bron Aluminio bronce / *Aluminium bronze* / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

KIT DE EXTRACCION DE MINAS / *SET FOR MINE REMOVAL* / KIT POUR LE DÉMINAGE / *SATZ FÜR DIE ENTFERNUNG VON MINEN* / KIT ESTRAZIONE MINE / *KIT DE EXTRAÇÃO DE MINAS* / НАБОР ДЛЯ РАЗМИНИРОВАНИЯ

36 PCS.

COD.	PCS.		MAT.	Medidas en / *Sizes in* / Mesures en	Kg
59160	36	50996, 51054	Cu-Be	mm	23



PCS.	Composición / *Composition* / Composition	Descripción / *Description* / Description	
	74222	Agujas de trazar / *Scribers*	250 mm
	70100	Alicate universal / *Combination plier*	160 mm
	70102		200 mm
	70103	Alicate boca plana / *Flat nose plier*	160 mm
	70104	Alicate boca redonda / *Round nose plier*	
	70105	Alicate telefonista / *Long nose plier*	
	70107	Alicate corte diagonal / *Diagonal cutting plier*	
	70114	Alicates tipo Ford / *Slip joint pliers*	8"
	72220	Arcos de sierra / *Hack saws*	300 mm
	71574	Barras de desencofrar / *Wrecking bars*	19 x 600 mm
	70481	Cepillos / *Brushes*	5 x 280 mm
	73790	Cortafríos / *Chisels*	16 x 160 mm
	71613	Cuchillos / *Knives*	250 mm
	72462	Destornilladores acodados / *Offset screwdrivers*	6 x 72 mm
	72464		8 x 125 mm
	72466		10 x 195 mm
1	72260	Destornilladores mecánicos / *Slotted screwdrivers*	3 x 75 mm
	72263		4 x 100 mm
	72267		6 x 150 mm
	72270		8 x 200 mm
	71595	Destornilladores Phillips® / *Phillips screwdriver®*	PH-1
	71596		PH-2
	71597		PH-3
	71598		PH-4
	70474	Espátulas / *Scrapers*	50 x 200 mm
	72223	Hojas de sierra / *Saw blades*	300 mm
	70117	Llaves ajustables / *Adjustable wrenches*	8"
	71448		6"
	70172	Llaves combinadas / *Combination wrenches*	8 mm
	70174		10 mm
	70125	Llaves heavy duty / *Heavy duty wrenches*	18"
	70491	Martillos de bola / *Ball pein hammers*	900 gr
	70504	Macetas octogonales / *Sledge hammers*	2 kg
	73839	Palancas / *Pinchbars*	Ø 25 x 500 mm
	70115	Pinzas / *Tweezers*	150 mm
	72458	Tijeras / *Tin snips*	300 mm

Cu-Be Cobre berilio / *Beryllium copper* / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий

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

ACETILEX: ALEACIÓN ACETILEX, TRABAJO SEGURO INCLUSO EN AMBIENTES DE ACETILENO / *ACETILEX ALLOY, SAFE WORK EVEN IN ACETHYLENE ENVIRONMENTS* / ALLIAGE ACETILEX, TRAVAIL SÛR MÊME EN PRÉSENCE D'ACÉTHYLÉNE / *SICHERE ARBEIT SOGAR BEI ACETYLEN-ATMOSPHÄREN* / LEGA ACETILEX, LAVORO SICURO ANCHE IN AMBIENTI DI ACETILENE / *LIGA ACETILEX, TRABALHO SEGURO INCLUSIVÉ EM AMBIENTES ACETILENO* / СПЛАВ АЦИТИЛЕКС, БЕЗОПАСНАЯ РАБОТА ДАЖЕ В СРЕДЕ АЦИТИЛЕНА

TENAZA PICO DE LORO / *GROOVE JOINT PLIER* / MULTIPRISE À CRÉMAILLÈRE / *VERSTELLBARE WASSERPUMPZANGE* / POLIGRIP / *ALICATE BICO DE PAPAGAIO* / КЛЕЩИ ПЕРЕСТАВНЫЕ ЖЕЛОБКОВЫЕ

COD.	L (inch)	g
79450	10	430
79451	12	670

ACETILEX

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

COD.	L (inch)	g
79452	6	135
79453	8	280
79454	10	440
79455	12	720

ACETILEX

LLAVE HEAVY DUTY / *HEAVY DUTY PIPE WRENCH* / CLÉ SERRE-TUBES H.D. / *EINHAND-ROHRZANGEN* / GIRATUBI MODELLO AMERICANO PESANTE / *CHAVE HEAVY DUTY* / ТРУБНЫЙ КЛЮЧ ДЛЯ ТЯЖЕЛЫХ РАБОТ

COD.	L (inch)	O.D. inch	g
79456	8"	1	420
79457	10"	1.1/2"	740
79458	12"	2	1050
79459	14"		1320
79460	18"	2.1/2"	2260
79461	24"	5	3470
79462	36"	6	5880

ACETILEX

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

LLAVES COMBINADAS / *COMBINATION WRENCHES* / CLÉS MIXTES / *RINGSCHLÜSSEL* / CHIAVI COMBINATE / *CHAVES BOCA E LUNETA* / КОМБИНИРОВАНЫЕ КЛЮЧИ

MM

COD.	AF mm	L (mm)	g
72867	6	115	36
72868	7	120	43
72869	8	125	50
72870	9	130	65
72871	10	135	70
72872	11	140	75
72873	12	145	95
72874	13	155	105
72875	14	165	110
72876	15	175	120
72877	16	185	165
72878	17	195	175
72879	18	200	210
72880	19	210	220
72881	20	220	250
72882	21	230	270
72883	22	240	290
72884	23	250	370
72885	24	260	400
72886	25	270	420
72887	26		440
72888	27	280	500

COD.	AF mm	L (mm)	g
72889	28	295	550
72890	29	300	650
72891	30	310	700
72892	32	330	800

ACETILEX

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

MM

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

ACETILEX

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

MM

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

ACETILEX

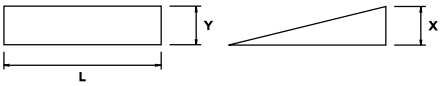
LLAVES HEXAGONALES / *HEXAGONAL KEYS* / CLÉS MALES / *INBUSSCHLÜSSEL* / CHIAVI ESAGONALI / *CHAVES HEXAGONAIS* / ШЕСТИГРАННИК

MM

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

ACETILEX

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



COD.	L (mm)	X (mm)	Y (mm)	g
72851	100	10-0	50	210
72852	150	13-0		420
72853	180	19-0		750
72854	200	12-0		500
72855	230	20-0		800

ACETILEX

DESTORNILLADORES / *SCREWDRIVERS* / TOURNEVIS / *SCHRAUBENZIEHER* / CACCIAVITI / *CHAVES DE FENDA* / ОТВЕРТКИ

ELECTRICISTA / *ELECTRICIAN* / ELECTRICIEN / *ELEKTRIKER* / PER ELETTRICISTI / *ELETRICISTA* / ЭЛЕКТРИЧЕСКАЯ

COD.	mm	mm	mm	g
72825	50	3	85	41
72826	100	4		50
72827		5	105	105
72828		6		115
72829	150	8	110	160

ACETILEX

PHILLIPS®*

COD.	mm		mm	g
72830	60	PH-0	85	44
72831	80	PH-1		75
72832	100	PH-2	105	85
72833	150	PH-3	110	180

ACETILEX

POZIDRIV®*

COD.	mm		mm	g
72835	75	PZ-1	85	50
72836	100	PZ-2	105	95
72837	150	PZ-3	110	160

ACETILEX

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

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

COD.	L (mm)	g
72838	310	500
72839	340	680
72840	350	900

ACETILEX

- *Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / **For screws PHILLIPS® (Phillips Screw Company registered trademark)* / *Pour vis PHILLIPS®(Marque enregistrée par Phillips Screw Company)
- *Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / **For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark)* / *Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

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

COD.	L (mm)	g
72841	310	500
72842		800
72843	340	1000

ACETILEX

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

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

ACETILEX

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

COD.	L (mm)	g
72850	280	400

ACETILEX