

Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

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



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 à main dans le domaine de l'ergonomie, de la facilité d'utilisation et du Design.

■ **MATERIALES**  
**MATERIALS**  
**MATERIAUX**

| Aleación Cobre-Berilio / Copper-Beryllium Alloy / Alliage Cuivre-Béryllium |                        |                        |
|----------------------------------------------------------------------------|------------------------|------------------------|
| Composición / Composition / Composition                                    | Be                     | 1.8 % - 2 %            |
|                                                                            | Ni+Co                  | 0.2 % - 1.2 %          |
|                                                                            | Otros / Other / Autres | <0.5 %                 |
|                                                                            | Resto / Rest / Reste   | Cu                     |
| Dureza / Hardness / Dureté                                                 |                        | 283-365 Brinell        |
| Resistencia a la tracción / Tensile Strength / Resistance à la traction    |                        | 1250 N/mm <sup>2</sup> |

| Aleación Aluminio-Bronce / Aluminium-Bronze Alloy / Alliage aluminium-bronze |                        |                       |
|------------------------------------------------------------------------------|------------------------|-----------------------|
| Composición / Composition / Composition                                      | Al                     | 10 % - 12 %           |
|                                                                              | Ni                     | 4 % - 6 %             |
|                                                                              | Fe+Mn                  | <5.8 %                |
|                                                                              | Otros / Other / Autres | <0.5 %                |
|                                                                              | Resto / Rest / Reste   | Cu                    |
| Dureza / Hardness / Dureté                                                   |                        | 229-291 Brinell       |
| Resistencia a la tracción / Tensile Strength / Resistance à la traction      |                        | 800 N/mm <sup>2</sup> |

■ **NOTA IMPORTANTE / IMPORTANT NOTE / AVIS IMPORTANT**

Por sus características especiales de dureza y resistencia (sensiblemente inferiores a los que se pueden obtener en herramientas de acero), las herramientas antichispa no pueden ser garantizadas contra ninguna deformación ni rotura. Sólo se repondrán en concepto de garantía aquellas herramientas antichispa cuya dureza Brinell sea inferior (o exceda) a la indicada en nuestro catálogo: 283-365 Brinell en el caso de las fabricadas en Cobre-Berilio y 229-291 Brinell en las fabricadas en Aluminio Bronce.

*The hardness and resistance that can be achieved with the materials used to manufacture non-sparking tools is significantly lower than that which can be obtained in tools made of steel. Due to these special characteristics of the material employed, non-sparking tools can not be guaranteed against any deformation or breakage. Non-sparking tools will be replaced under guarantee only when the hardness of the damaged tool does not reach (or exceeds) the one indicated in our catalogue: 283-365 Brinell for those made in Copper-Beryllium and 229-291 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: 283-365 Brinell pour le Cuivre - Béryllium et 229-291 Brinell pour l'Aluminium - Bronze.



■ **PROPIEDADES Y CARACTERÍSTICAS**  
**PROPERTIES AND FEATURES**  
**PROPRIÉTÉS ET CARACTÉRISTIQUES**

| Propiedad / Property / Propriété                                           | Aplicación o beneficio / Application or benefits / Application ou bienfait                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antichispa / Non-sparking / Anti-déflagrant                                | Apropiado para entornos de potencial explosivo / <i>Appropriate for explosive potential environments</i> / Approprié pour un environnement explosif                                                                                                                                                                                                                                                                                                                                            |
| Seguridad anti-magnética / Non-magnetic safety / Sécurité anti-magnétique  | Esencial para equipos que requieren una completa seguridad no magnética / <i>Essential for equipments that require complete non-magnetic safety</i> / Essentiel pour des équipements qui nécessitent une complète sécurité, sauf magnétique                                                                                                                                                                                                                                                    |
| Resistente a la corrosión / Corrosion resistant / Résistant à la corrosion | Especialmente concebidos para aplicaciones en entornos corrosivos como pueden ser en trabajos en la marina o de aplicaciones de bomberos / <i>Specially well suited for applications in corrosive environments like encountered in marine works or fire-fighting applications</i> / Spécialement conçu pour des environnements corrosifs, comme des travaux en air salin ou pratiqués par les pompiers                                                                                         |
| Forjado después de la fundición / Forged after casting / Forgé après fonte | Proporcionan grandes propiedades mecánicas y gran acabado / <i>Provides higher mechanical properties and better finishing</i> / 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 / <i>The use of bi-material anti-slippery handles, dipping anti-slippery handles, totally ergonomic designs make operations easier, more comfortable and master</i> / 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           | 283-365 Brinell                                                                                                                                                                                                                                                                                                                                             | 229-291 Brinell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Magnetismo / Magnetism / Magnétisme  | La ausencia férrea en la composición hace que sea más seguro cuando las aplicaciones no magnéticas son requeridas / <i>Non ferrous substance in the composition makes it safer when non-magnetic applications are required</i> / L'absence de substance ferrique dans sa composition, fait de lui un alliage plus sûr 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 / <i>Minimum ferrous component makes them not 100% non-magnetic, although its low magnetism make it appropriate for non critical non-magnetic applications</i> / Le minimum de substance ferreuse fait qu'il n'est pas à 100% amagnétique, malgré tout, son faible magnétisme le rend approprié pour des travaux amagnétiques mais non critiques |
| Durabilidad / Durability / Longévité | Muy grande debido a la gran dureza y la resistencia a tracción. Grandes esfuerzos pueden ser proporcionados / <i>Much higher due to the higher hardness and tensile strength. Higher efforts can be made</i> / Grande longévité due à sa composition et à la dureté. Supporte des forces importantes                                                        | No tanto como el Cu-Be / <i>Not as much as Cu-Be</i> / Pas autant que le Cu-Be                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Precio / Price / Prix                | Gran precio debido al material especial usado / <i>Higher price due to the special raw material used</i> / Onérosité due aux matériaux spéciaux utilisés                                                                                                                                                                                                    | Sobre un 30 % más bajo / <i>Around 30% lower price</i> / Approx. 30% moins cher                                                                                                                                                                                                                                                                                                                                                                                                                                    |



■ **PRECAUCIÓN**  
**CAUTION**  
**PRÉCAUTION**

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

These tools are not classified as anti-static because they do conduct electricity. Do not use high copper content tools (>65%) in direct contact with acetylene due to the possible formation of explosive acetylide, specially in the presence of moisture.

Ces outils ne sont pas classifiés comme anti-statiques, car ils sont conducteurs d'électricité. Ne pas utiliser les outils composés de cuivre (>65%), en contact direct avec l'Acétylène car il y a un risque d'explosion acétylique surtout en présence d'humidité.

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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

## ■ ALICATES / PLIERS / PINCES / ZANGEN / PINZE / ALICATES / ПЛОСКОГУБЦЫ

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

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

Modelo registrado / Registered model / Modèle enregistré



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

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

Modelo registrado / Registered model / Modèle enregistré



### ■ BOCA REDONDA / ROUND NOSE / BECS ROUNDS / RUNDZANGEN / BECCHI TONDI / PONTAS REDONDAS / КРУГЛОГУБЦЫ

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

Modelo registrado / Registered model / Modèle enregistré



### ■ TELEFONISTA / LONG NOSE / TELEPHONE / TELEFONZANGEN / TELEFONISTI / TELEFONISTA / С УДЛИННЕННЫМИ НОСАМИ

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

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) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 73148 | Cu-Be | 73149 | Al-Bron | 160    | 250                                                                                 |
| 73146 |       | 73151 |         | 180    | 270                                                                                 |
| 73647 |       | 73650 |         | 200    | 370                                                                                 |

Modelo registrado / Registered model / Modèle enregistré



### ■ CORTE DIAGONAL / DIAGONAL CUTTING PLIERS / COUPANTES DIAGONALES

| COD.  | MAT.  | COD.  | MAT.    | L (mm) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 70107 | Cu-Be | 70537 | Al-Bron | 160    | 250                                                                                 |

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) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 72094 | Cu-Be | 72095 | Al-Bron | 160    | 260                                                                                 |
| 70108 |       | 70538 |         | 180    | 320                                                                                 |

Modelo registrado / Registered model / Modèle enregistré



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

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

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 Алюминий Бронза

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

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

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) |  |
|-------|-------|-------|---------|--------|-----------------------------------------------------------------------------------|
| 73903 | Cu-Be | 73904 | Al-Bron | 170    | 220                                                                               |

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



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

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



■ **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) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 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) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 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) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 79145 | Cu-Be | 79146 | Al-Bron | 130    | 100                                                                                 |



■ **TELEFONISTA / LONG NOSE / TÉLÉPHONE / TELEFONZANGEN / TELEFONISTI / TELEFONISTA / СУДЛИННЕННЫМИ НОСАМИ**

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



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

**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) |  |
|-------|-------|-------|---------|--------|-----------------------------------------------------------------------------------|
| 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) |  |
|-------|-------|-------|---------|--------|-----------------------------------------------------------------------------------|
| 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) |  |
|-------|-------|-------|---------|--------|-----------------------------------------------------------------------------------|
| 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) |  |
|-------|-------|-------|---------|--------|------------------------------------------------------------------------------------|
| 79230 | Cu-Be | 79231 | Al-Bron | 115    | 100                                                                                |



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

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



**TENAZAS / PINCERS / PINCES / 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) |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|
| 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) |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|
| 73897 | Cu-Be | 73898 | Al-Bron | 10       | 380                                                                                 |



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



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

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



**Cu-Be** Cobre berillo / 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 Алюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

| COD.  | MAT.  | COD.  | MAT.    | L (inch) |  |
|-------|-------|-------|---------|----------|-----------------------------------------------------------------------------------|
| 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.    |  | L (mm) | L (inch) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----------|-------------------------------------------------------------------------------------|
| 71448 | Cu-Be | 71451 | Al-Bron | 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       | 2000                                                                                |
| 71450 |       | 71457 |         | 62                                                                                | 600    | 24       | 3100                                                                                |
| 75315 |       | 75316 |         | 75                                                                                | 900    | 36       | 7800                                                                                |



■ **COMFORT**

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | L (inch) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----------|-------------------------------------------------------------------------------------|
| 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.    |  | L (mm) | L (inch) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----------|---------------------------------------------------------------------------------------|
| 35746 | Cu-Be | 35747 | Al-Bron | 20                                                                                  | 150    | 6        | 32                                                                                    |
| 35748 |       | 35749 |         | 25                                                                                  | 200    | 8        | 130                                                                                   |
| 35750 |       | 35751 |         | 30                                                                                  | 250    | 10       | 270                                                                                   |
| 35752 |       | 35753 |         | 35                                                                                  | 300    | 12       | 420                                                                                   |
| 35754 |       | 35755 |         | 48                                                                                  | 375    | 15       | 690                                                                                   |



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

■ **EXTRACTOR 3 GARRAS ARTICULADAS REVERSIBLES / 3 JAW REVERSIBLE GEAR PULLER / EXTRACTEUR 3 BRAS ARTICULÉS RÉVERSIBLES**

| COD.  | MAT.  | COD.  | MAT.    | L min.-max. |  |
|-------|-------|-------|---------|-------------|-------------------------------------------------------------------------------------|
| 72470 | Cu-Be | 72471 | Al-Bron | 50-100      | 4500                                                                                |
| 72472 |       | 72473 |         | 60-150      | 5000                                                                                |
| 72474 |       | 72475 |         | 70-200      | 7000                                                                                |
| 72476 |       | 72477 |         | 80-350      | 13000                                                                               |



■ **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) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 70115 | Cu-Be | 70547 | Al-Bron | 150    | 40                                                                                  |



**Cu-Be** 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 Алюминий Бронза

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

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



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.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 75240 | Cu-Be | 75241 | Al-Bron | 4-5                                                                               | 90     | 30                                                                                 |
| 75242 |       | 75243 |         | 5-5,5                                                                             |        |                                                                                    |
| 70135 |       | 70549 |         | 6-7                                                                               |        |                                                                                    |
| 70136 |       | 70550 |         | 6-8                                                                               | 95     | 40                                                                                 |
| 76871 |       | 76872 |         | 7-8                                                                               |        |                                                                                    |
| 70137 |       | 70551 |         | 7-9                                                                               |        |                                                                                    |
| 70138 |       | 70552 |         | 8-9                                                                               | 100    | 60                                                                                 |
| 70139 |       | 70553 |         | 8-10                                                                              |        |                                                                                    |
| 70140 |       | 70554 |         | 9-10                                                                              | 105    | 70                                                                                 |
| 70141 |       | 70555 |         | 9-11                                                                              |        |                                                                                    |
| 70142 |       | 70556 |         | 10-11                                                                             | 110    | 75                                                                                 |
| 70143 |       | 70557 |         | 10-12                                                                             |        |                                                                                    |
| 76873 |       | 76874 |         | 10-13                                                                             | 120    | 95                                                                                 |
| 70144 |       | 70558 |         | 10-14                                                                             |        |                                                                                    |
| 75244 |       | 75245 |         | 11-13                                                                             | 125    | 120                                                                                |
| 70145 |       | 70559 |         | 11-14                                                                             |        |                                                                                    |
| 70146 |       | 70560 |         | 12-13                                                                             | 130    | 145                                                                                |
| 70147 |       | 70561 |         | 12-14                                                                             |        |                                                                                    |
| 76875 |       | 76876 |         | 13-14                                                                             | 135    | 165                                                                                |
| 73648 |       | 73649 |         | 13-15                                                                             |        |                                                                                    |
| 70148 |       | 70562 |         | 14-15                                                                             | 150    | 180                                                                                |
| 76877 |       | 76878 |         | 14-16                                                                             |        |                                                                                    |
| 70149 |       | 70563 |         | 14-17                                                                             | 155    | 200                                                                                |
| 70150 |       | 70564 |         | 16-17                                                                             |        |                                                                                    |
| 70151 |       | 70565 |         | 16-18                                                                             | 165    | 210                                                                                |
| 70152 |       | 70566 |         | 17-19                                                                             |        |                                                                                    |
| 70153 |       | 70567 |         | 17-22                                                                             | 170    | 230                                                                                |
| 70154 |       | 70568 |         | 18-19                                                                             |        |                                                                                    |
| 76879 |       | 76880 |         | 18-20                                                                             | 180    | 280                                                                                |
| 74625 |       | 74626 |         | 19-20                                                                             |        |                                                                                    |
| 70155 |       | 70569 |         | 19-22                                                                             | 185    | 330                                                                                |
| 70156 |       | 70570 |         | 19-24                                                                             |        |                                                                                    |
| 70157 |       | 70571 |         | 20-22                                                                             | 195    | 370                                                                                |
| 74627 |       | 74628 |         | 21-22                                                                             |        |                                                                                    |
| 70158 |       | 70572 |         | 21-23                                                                             | 200    | 410                                                                                |
| 75246 |       | 75247 |         | 22-23                                                                             |        |                                                                                    |
| 70159 |       | 70573 |         | 22-24                                                                             | 210    | 440                                                                                |
| 70160 |       | 70574 |         | 22-27                                                                             |        |                                                                                    |
| 76881 |       | 76882 |         | 23-26                                                                             | 220    | 500                                                                                |
| 75248 |       | 75249 |         | 24-25                                                                             |        |                                                                                    |
| 70161 |       | 70575 |         | 24-26                                                                             | 230    | 550                                                                                |
| 70162 |       | 70576 |         | 24-27                                                                             |        |                                                                                    |
| 72923 |       | 72922 |         | 24-30                                                                             | 240    | 650                                                                                |
| 70163 |       | 70577 |         | 25-28                                                                             |        |                                                                                    |
| 74831 |       | 74832 |         | 26-29                                                                             | 250    | 700                                                                                |
| 70164 |       | 70578 |         | 27-29                                                                             |        |                                                                                    |
| 75250 |       | 71821 |         | 27-30                                                                             |        |                                                                                    |
| 75251 |       | 75252 |         | 28-30                                                                             | 250    | 700                                                                                |
| 72925 |       | 72924 |         | 27-32                                                                             |        |                                                                                    |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
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ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |      |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|------|
| 75253 | Cu-Be | 75254 | Al-Bron | 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    |                                                                                    |      |
| 75265 |       | 75266 |         | 38-42                                                                             | 340    | 1600                                                                               |      |
| 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    | 4550                                                                               |      |
| 70589 |       | 70585 |         | 60-65                                                                             | 430    | 7600                                                                               |      |
| 70590 |       | 70586 |         | 65-70                                                                             | 460    | 9200                                                                               |      |
| 70591 |       | 70587 |         | 70-80                                                                             | 500    |                                                                                    |      |

## INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 70592 | Cu-Be | 70637 | Al-Bron | 7/32-1/4                                                                            | 90     | 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                                                                                  |
| 74835 |       | 74836 |         | 5/8-11/16                                                                           | 170    |                                                                                      |
| 70605 |       | 70650 |         | 5/8-3/4                                                                             |        | 165                                                                                  |
| 75277 |       | 75278 |         | 11/16-3/4                                                                           | 180    |                                                                                      |
| 70606 |       | 70651 |         | 11/16-25/32                                                                         | 180    | 180                                                                                  |
| 70607 |       | 70652 |         | 11/16-7/8                                                                           |        | 200                                                                                  |
| 76887 |       | 76888 |         | 3/4-25/32                                                                           | 185    | 220                                                                                  |
| 70608 |       | 70653 |         | 3/4-13/16                                                                           |        |                                                                                      |
| 70609 |       | 70654 |         | 3/4-7/8                                                                             |        |                                                                                      |
| 70610 |       | 70655 |         | 25/32-13/16                                                                         | 190    | 230                                                                                  |
| 70611 |       | 70656 |         | 25/32-7/8                                                                           |        |                                                                                      |
| 70612 |       | 70657 |         | 13/16-7/8                                                                           |        |                                                                                      |
| 70613 |       | 70658 |         | 7/8-15/16                                                                           | 210    | 240                                                                                  |
| 70614 |       | 70659 |         | 7/8-31/32                                                                           |        | 300                                                                                  |
| 70615 |       | 70660 |         | 7/8-1                                                                               | 220    | 320                                                                                  |
| 70616 |       | 70661 |         | 15/16-1                                                                             |        | 340                                                                                  |
| 70617 |       | 70662 |         | 7/8-1.1/16                                                                          |        | 360                                                                                  |
| 70618 |       | 70663 |         | 15/16-1.1/16                                                                        | 230    | 380                                                                                  |
| 74837 |       | 74838 |         | 1-1.1/16                                                                            |        | 410                                                                                  |



**Cu-Be** Cobre berillo / 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 Алюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 70619 | Cu-Be | 70664 | Al-Bron | 1-1.1/8                                                                           | 230    | 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                                                                      |        |                                                                                    |
| 75281 |       | 75282 |         | 1.3/16-1.1/4                                                                      | 260    | 550                                                                                |
| 70623 |       | 70668 |         | 1.1/16-1.7/16                                                                     | 270    | 600                                                                                |
| 70624 |       | 70669 |         | 1.1/8-1.1/2                                                                       |        |                                                                                    |
| 75283 |       | 75284 |         | 1.1/4-1.5/16                                                                      |        | 700                                                                                |
| 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                                                                               |
| 70631 |       | 70676 |         | 1.5/8-1.13/16                                                                     |        | 1800                                                                               |
| 70632 |       | 70677 |         | 1.3/4-1.5/8                                                                       | 350    | 2100                                                                               |
| 70633 |       | 70678 |         | 1.11/16-1.7/8                                                                     | 370    | 2500                                                                               |
| 70634 |       | 70679 |         | 1.13/16-2                                                                         |        |                                                                                    |
| 75291 |       | 75292 |         | 2-2.3/16                                                                          | 380    | 2800                                                                               |
| 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                                                                               |

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

■ MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 70170 | Cu-Be | 70682 | Al-Bron | 6                                                                                   | 115    | 35                                                                                   |
| 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                                                                                  |        | 480                                                                                  |
| 70192 |       | 70704 |         | 28                                                                                  | 290    | 500                                                                                  |
| 70193 |       | 70705 |         | 29                                                                                  | 300    | 650                                                                                  |
| 70194 |       | 70706 |         | 30                                                                                  | 310    | 700                                                                                  |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 70195 | Cu-Be | 70707 | Al-Bron | 31                                                                                | 320    | 750                                                                                |
| 70196 |       | 70708 |         | 32                                                                                | 330    | 800                                                                                |
| 72700 |       | 71786 |         | 33                                                                                | 340    | 850                                                                                |
| 72701 |       | 71787 |         | 34                                                                                | 350    | 950                                                                                |
| 70197 |       | 70709 |         | 35                                                                                | 370    | 1100                                                                               |
| 70198 |       | 70710 |         | 36                                                                                | 400    | 1200                                                                               |
| 70199 |       | 70711 |         | 38                                                                                | 420    | 1550                                                                               |
| 70200 |       | 70712 |         | 40                                                                                | 430    | 1750                                                                               |
| 70201 |       | 70713 |         | 41                                                                                | 460    | 2100                                                                               |
| 70202 |       | 70714 |         | 42                                                                                | 470    | 2200                                                                               |
| 70203 |       | 70715 |         | 46                                                                                | 480    | 2600                                                                               |
| 70204 |       | 70716 |         | 50                                                                                | 490    | 3000                                                                               |
| 73618 |       | 73619 |         | 52                                                                                | 500    | 3550                                                                               |
| 70205 |       | 70717 |         | 55                                                                                | 5800   |                                                                                    |
| 70206 |       | 70718 |         | 60                                                                                |        |                                                                                    |
| 70207 |       | 70719 |         | 65                                                                                |        |                                                                                    |
| 70208 |       | 70720 |         | 70                                                                                |        |                                                                                    |
| 70209 |       | 70721 |         | 75                                                                                |        |                                                                                    |
| 70210 |       | 70722 |         | 80                                                                                |        |                                                                                    |
| 70211 |       | 70723 |         | 85                                                                                |        |                                                                                    |
| 70212 |       | 70724 |         | 90                                                                                |        |                                                                                    |

## INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 70725 | Cu-Be | 70751 | Al-Bron | 1/4                                                                                 | 115    | 25                                                                                   |
| 75305 |       | 75306 |         | 9/32                                                                                | 120    | 30                                                                                   |
| 70726 |       | 70752 |         | 5/16                                                                                | 125    | 35                                                                                   |
| 70727 |       | 70753 |         | 11/32                                                                               | 130    | 40                                                                                   |
| 70728 |       | 70754 |         | 3/8                                                                                 | 135    | 55                                                                                   |
| 76855 |       | 76856 |         | 13/32                                                                               | 140    | 70                                                                                   |
| 70729 |       | 70755 |         | 7/16                                                                                | 165    | 80                                                                                   |
| 70730 |       | 70756 |         | 1/2                                                                                 | 175    | 95                                                                                   |
| 70731 |       | 70757 |         | 9/16                                                                                | 195    | 140                                                                                  |
| 75307 |       | 75308 |         | 19/32                                                                               | 210    | 200                                                                                  |
| 70732 |       | 70758 |         | 5/8                                                                                 | 230    | 280                                                                                  |
| 70733 |       | 70759 |         | 11/16                                                                               | 260    | 330                                                                                  |
| 70734 |       | 70760 |         | 3/4                                                                                 | 360    | 360                                                                                  |
| 76857 |       | 76858 |         | 25/32                                                                               | 370    | 460                                                                                  |
| 70735 |       | 70761 |         | 13/16                                                                               | 400    | 500                                                                                  |
| 70736 |       | 70762 |         | 7/8                                                                                 | 550    | 700                                                                                  |
| 70737 |       | 70763 |         | 15/16                                                                               | 1000   | 1150                                                                                 |
| 76859 |       | 76860 |         | 31/32                                                                               | 1200   | 1350                                                                                 |
| 70738 |       | 70764 |         | 1                                                                                   | 1500   |                                                                                      |
| 70739 |       | 70765 |         | 1.1/16                                                                              |        |                                                                                      |
| 70740 |       | 70766 |         | 1.1/8                                                                               |        |                                                                                      |
| 72937 |       | 72936 |         | 1.3/16                                                                              |        |                                                                                      |
| 70741 |       | 70767 |         | 1.1/4                                                                               |        |                                                                                      |
| 70742 |       | 70768 |         | 1.5/16                                                                              |        |                                                                                      |
| 70743 |       | 70769 |         | 1.3/8                                                                               |        |                                                                                      |
| 70744 |       | 70770 |         | 1.7/16                                                                              |        |                                                                                      |
| 70745 |       | 70771 |         | 1.1/2                                                                               |        |                                                                                      |
| 75309 |       | 75310 |         | 1.9/16                                                                              |        |                                                                                      |
| 70746 |       | 70772 |         | 1.5/8                                                                               |        |                                                                                      |
| 70747 |       | 70773 |         | 1.11/16                                                                             |        |                                                                                      |
| 75311 |       | 75312 |         | 1.3/4                                                                               |        |                                                                                      |
| 70748 |       | 70774 |         | 1.13/16                                                                             |        |                                                                                      |
| 70749 |       | 70775 |         | 1.7/8                                                                               |        |                                                                                      |
| 70750 |       | 70776 |         | 2                                                                                   |        |                                                                                      |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 76861 | Cu-Be | 76862 | Al-Bron | 2.3/16                                                                            | 445    | 2100                                                                               |
| 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                                                                               |

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

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 75320 | Cu-Be | 75321 | Al-Bron | 5,5-7                                                                             |        | 20                                                                                 |
| 70213 |       | 70777 |         | 6-7                                                                               | 115    | 25                                                                                 |
| 75322 |       | 75323 |         | 6-8                                                                               | 120    | 35                                                                                 |
| 70214 |       | 70778 |         | 7-9                                                                               |        | 50                                                                                 |
| 70215 |       | 70779 |         | 8-9                                                                               | 130    |                                                                                    |
| 70216 |       | 70780 |         | 8-10                                                                              |        | 55                                                                                 |
| 70217 |       | 70781 |         | 9-10                                                                              | 135    | 60                                                                                 |
| 70218 |       | 70782 |         | 9-11                                                                              |        | 70                                                                                 |
| 70219 |       | 70783 |         | 10-11                                                                             |        | 80                                                                                 |
| 75324 |       | 75325 |         | 10-12                                                                             | 140    | 85                                                                                 |
| 75326 |       | 75327 |         | 10-13                                                                             |        | 100                                                                                |
| 70220 |       | 70784 |         | 10-14                                                                             |        | 110                                                                                |
| 75318 |       | 75319 |         | 11-12                                                                             |        | 120                                                                                |
| 75328 |       | 75329 |         | 11-13                                                                             |        | 150                                                                                |
| 70221 |       | 70785 |         | 11-14                                                                             | 160    |                                                                                    |
| 70222 |       | 70786 |         | 12-13                                                                             |        | 200                                                                                |
| 70223 |       | 70787 |         | 12-14                                                                             |        | 210                                                                                |
| 70224 |       | 70788 |         | 13-14                                                                             | 180    |                                                                                    |
| 70225 |       | 70789 |         | 13-15                                                                             | 200    |                                                                                    |
| 70226 |       | 70790 |         | 14-15                                                                             |        | 220                                                                                |
| 72133 |       | 72137 |         | 14-16                                                                             |        | 260                                                                                |
| 72134 |       | 72138 |         | 14-17                                                                             |        | 290                                                                                |
| 70227 |       | 70791 |         | 16-17                                                                             | 220    |                                                                                    |
| 70228 |       | 70792 |         | 16-18                                                                             |        | 300                                                                                |
| 70229 |       | 70793 |         | 17-19                                                                             |        | 310                                                                                |
| 75330 |       | 75331 |         | 17-21                                                                             | 250    |                                                                                    |
| 70230 |       | 70794 |         | 17-22                                                                             |        | 350                                                                                |
| 70231 |       | 70795 |         | 18-19                                                                             |        | 370                                                                                |
| 75332 |       | 75333 |         | 19-21                                                                             |        | 400                                                                                |
| 70232 |       | 70796 |         | 19-22                                                                             |        | 420                                                                                |
| 70233 |       | 70797 |         | 19-24                                                                             | 280    |                                                                                    |
| 70234 |       | 70798 |         | 20-22                                                                             |        | 450                                                                                |
| 70235 |       | 70799 |         | 21-23                                                                             |        | 470                                                                                |
| 75334 |       | 75335 |         | 21-26                                                                             |        | 480                                                                                |
| 75336 |       | 75337 |         | 22-23                                                                             | 310    |                                                                                    |
| 70236 |       | 70800 |         | 22-24                                                                             |        | 500                                                                                |
| 70237 |       | 70801 |         | 22-27                                                                             |        | 550                                                                                |
| 75338 |       | 75339 |         | 23-26                                                                             |        | 600                                                                                |
| 75340 |       | 75341 |         | 24-25                                                                             | 340    |                                                                                    |
| 72822 |       | 72823 |         | 24-26                                                                             |        | 650                                                                                |
| 73339 |       | 73338 |         | 24-27                                                                             |        | 700                                                                                |
| 70238 |       | 70802 |         | 24-30                                                                             |        | 750                                                                                |
| 70239 |       | 70803 |         | 25-28                                                                             | 350    |                                                                                    |
| 74833 |       | 74834 |         | 26-29                                                                             |        |                                                                                    |
| 70240 |       | 70804 |         | 27-29                                                                             |        |                                                                                    |
| 70241 |       | 70805 |         | 27-30                                                                             | 360    |                                                                                    |
| 70242 |       | 70806 |         | 27-32                                                                             |        |                                                                                    |
| 75342 |       | 75343 |         | 29-32                                                                             | 380    |                                                                                    |



Cu-Be Cobre berillo / 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 Алюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |      |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|------|
| 70243 | Cu-Be | 70807 | Al-Bron | 30-32                                                                             | 380    | 800                                                                                |      |
| 76891 |       | 76892 |         | 30-34                                                                             | 390    | 850                                                                                |      |
| 72956 |       | 72912 |         | 31-33                                                                             |        | 1050                                                                               |      |
| 70244 |       | 70808 |         | 30-36                                                                             |        |                                                                                    | 1100 |
| 75344 |       | 75345 |         | 32-34                                                                             | 400    | 1150                                                                               |      |
| 72957 |       | 72913 |         | 32-35                                                                             |        | 1550                                                                               |      |
| 72135 |       | 72139 |         | 32-36                                                                             | 410    | 1600                                                                               |      |
| 72136 |       | 72140 |         | 34-36                                                                             | 420    |                                                                                    | 1700 |
| 70245 |       | 70809 |         | 36-38                                                                             | 430    | 2050                                                                               |      |
| 75346 |       | 75347 |         | 35-41                                                                             |        | 2200                                                                               |      |
| 75348 |       | 75349 |         | 38-40                                                                             | 450    | 2400                                                                               |      |
| 70246 |       | 70810 |         | 36-41                                                                             |        | 2450                                                                               |      |
| 75350 |       | 75351 |         | 38-42                                                                             | 460    | 2500                                                                               |      |
| 70247 |       | 70811 |         | 41-46                                                                             | 470    | 3900                                                                               |      |
| 72251 |       | 72250 |         | 46-50                                                                             | 490    | 4000                                                                               |      |
| 73392 |       | 73391 |         | 50-52                                                                             | 500    | 4500                                                                               |      |
| 75352 |       | 75353 |         | 50-55                                                                             |        | 5000                                                                               |      |
| 75354 |       | 75355 |         | 50-60                                                                             |        | 550                                                                                |      |
| 72253 |       | 72252 |         | 55-60                                                                             | 30-32  |                                                                                    | 380  |
| 75356 |       | 75357 |         | 60-70                                                                             | 30-34  |                                                                                    | 850  |
| 72255 |       | 72254 |         | 65-70                                                                             | 31-33  | 1050                                                                               |      |
| 76893 |       | 76894 |         | 70-75                                                                             | 32-34  | 1100                                                                               |      |
| 72257 |       | 72256 |         | 75-80                                                                             | 32-35  | 1150                                                                               |      |

## INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 70812 | Cu-Be | 70841 | Al-Bron | 7/32-1/4                                                                            | 120    | 30                                                                                   |
| 74841 |       | 74842 |         | 1/4-5/16                                                                            |        |                                                                                      |
| 70813 |       | 70842 |         | 5/16-3/8                                                                            | 125    | 45                                                                                   |
| 70814 |       | 70843 |         | 3/8-7/16                                                                            | 140    | 60                                                                                   |
| 70815 |       | 70844 |         | 7/16-1/2                                                                            | 155    | 90                                                                                   |
| 70816 |       | 70845 |         | 1/2-9/16                                                                            | 175    | 115                                                                                  |
| 70817 |       | 70846 |         | 9/16-5/8                                                                            | 210    | 190                                                                                  |
| 74843 |       | 74844 |         | 5/8-11/16                                                                           | 220    | 200                                                                                  |
| 70818 |       | 70847 |         | 5/8-3/4                                                                             | 240    | 230                                                                                  |
| 75365 |       | 75366 |         | 11/16-3/4                                                                           |        |                                                                                      |
| 70819 |       | 70848 |         | 11/16-25/32                                                                         | 250    | 240                                                                                  |
| 70820 |       | 70849 |         | 3/4-13/16                                                                           |        | 290                                                                                  |
| 70821 |       | 70850 |         | 13/16-7/8                                                                           | 270    | 350                                                                                  |
| 70822 |       | 70851 |         | 7/8-15/16                                                                           | 300    | 400                                                                                  |
| 70823 |       | 70852 |         | 7/8-31/32                                                                           | 310    | 420                                                                                  |
| 70824 |       | 70853 |         | 7/8-1                                                                               |        | 440                                                                                  |
| 70825 |       | 70854 |         | 7/8-1.1/16                                                                          | 320    | 480                                                                                  |
| 70826 |       | 70855 |         | 15/16-1                                                                             |        | 490                                                                                  |
| 70827 |       | 70856 |         | 15/16-1.1/16                                                                        | 340    | 500                                                                                  |
| 70828 |       | 70857 |         | 1-1.1/16                                                                            |        |                                                                                      |
| 70829 |       | 70858 |         | 1-1.1/8                                                                             | 350    | 550                                                                                  |
| 70830 |       | 70859 |         | 1.1/16-1.1/8                                                                        |        |                                                                                      |
| 70831 |       | 70860 |         | 1.1/16-1.1/4                                                                        | 370    | 600                                                                                  |
| 74845 |       | 74846 |         | 1.1/8-1.3/16                                                                        |        | 700                                                                                  |
| 70832 |       | 70861 |         | 1.1/8-1.5/16                                                                        |        |                                                                                      |
| 76895 |       | 76896 |         | 1.1/8-1.1/2                                                                         | 380    | 800                                                                                  |
| 75367 |       | 75368 |         | 1.3/16-1.1/4                                                                        |        |                                                                                      |
| 70833 |       | 70862 |         | 1.1/4-1.5/16                                                                        | 410    | 1000                                                                                 |
| 70834 |       | 70863 |         | 1.1/4-1.7/16                                                                        |        |                                                                                      |
| 75369 |       | 75370 |         | 1.5/16-1.3/8                                                                        | 450    | 1100                                                                                 |
| 75371 |       | 75372 |         | 1.3/8-1.7/16                                                                        |        | 1350                                                                                 |
| 70835 |       | 70864 |         | 1.7/16-1.5/8                                                                        | 450    | 1600                                                                                 |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 75373 | Cu-Be | 75374 | Al-Bron | 1.1/2-1.9/16                                                                      | 460    | 1700                                                                               |
| 70836 |       | 70865 |         | 1.5/8-1.13/16                                                                     | 470    | 2050                                                                               |
| 70837 |       | 70866 |         | 1.13/16-2                                                                         | 490    | 2550                                                                               |
| 75375 |       | 75376 |         | 2-2.3/16                                                                          | 500    | 2800                                                                               |
| 70838 |       | 70867 |         | 2.1/16-2.3/16                                                                     |        |                                                                                    |
| 70839 |       | 70868 |         | 2-2.3/8                                                                           |        |                                                                                    |
| 75377 |       | 75378 |         | 2.3/16-2.3/8                                                                      | 550    | 3100                                                                               |
| 70840 |       | 70869 |         | 2.1/4-2.3/8                                                                       |        | 3500                                                                               |
| 75379 |       | 75380 |         | 2.3/8-2.3/4                                                                       |        | 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                                                                     | 580    | 4300                                                                               |

■ 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.      |    |
|-----------|-------------------------------------------------------------------------------------|
| 69342     | 300                                                                                 |
| COD. PCS. |  |
| 61727     | Aerospacial / Aerospatial                                                           |
| 61627     | Espejo / Mirror                                                                     |
| 73062     | 1000V                                                                               |
| 70172     | Cu-Be                                                                               |
| 70684     | Al-Bron                                                                             |
| 71669     | Titanio / Titanium                                                                  |

8



■ 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 |

Cu-Be Cobre berillo / 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 Алюминий Бронза

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

## INCH

| COD.         | MAT.  | PCS. |  | COD. PCS.                                                                          | (inch)                                                                                                                        |
|--------------|-------|------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>76410</b> | 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                                                               |
| <b>76412</b> |       | 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                                             |
| <b>76414</b> |       | 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                        |
| <b>76416</b> |       | 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 |



## INCH

| COD.         | MAT.    | PCS. |  | COD. PCS.                                                                          | (inch)                                                                                                                        |
|--------------|---------|------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>76411</b> | 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                                                               |
| <b>76413</b> |         | 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                                             |
| <b>76415</b> |         | 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                        |
| <b>76417</b> |         | 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 / КОМБИНИРОВАННЫЕ КЛЮЧИ

## MM

| COD.         | MAT.  | PCS. |  | COD. PCS.                                                                                                                                                                            | (mm)                                                                                               |
|--------------|-------|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>76418</b> | Cu-Be | 6    | 90052                                                                               | 70172, 70174, 70176, 70178, 70181, 70183                                                                                                                                             | 8, 10, 12, 14, 17, 19                                                                              |
| <b>76420</b> |       | 8    | 90081                                                                               | 70172, 70174, 70176, 70177, 70178, 70181, 70183, 70186                                                                                                                               | 8, 10, 12, 13, 14, 17, 19, 22                                                                      |
| <b>76422</b> |       | 10   | 90082                                                                               | 70172, 70173, 70174, 70175, 70176, 70177, 70178, 70181, 70183, 70186                                                                                                                 | 8, 9, 10, 11, 12, 13, 14, 17, 19, 22                                                               |
| <b>76424</b> |       | 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                                                         |
| <b>76426</b> |       | 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                                             |
| <b>76428</b> |       | 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                                     |
| <b>76430</b> |       |      |                                                                                     | 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                                    |
| <b>76432</b> |       | 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 |



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

**Al-Bron** Aluminio bronze / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Алюминий Бронза

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

## MM

| COD.         | MAT.    | PCS. |  | COD. PCS.                                                                                                                                                                            | (mm)                                                                                               |
|--------------|---------|------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>76419</b> | Al-Bron | 6    | 90052                                                                             | 70684, 70686, 70688, 70690, 70693, 70695                                                                                                                                             | 8, 10, 12, 14, 17, 19                                                                              |
| <b>76421</b> |         | 8    | 90081                                                                             | 70684, 70686, 70688, 70689, 70690, 70693, 70695, 70698                                                                                                                               | 8, 10, 12, 13, 14, 17, 19, 22                                                                      |
| <b>76423</b> |         | 10   | 90082                                                                             | 70684, 70685, 70686, 70687, 70688, 70689, 70690, 70693, 70695, 70698                                                                                                                 | 8, 9, 10, 11, 12, 13, 14, 17, 19, 22                                                               |
| <b>76425</b> |         | 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                                                         |
| <b>76427</b> |         | 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                                             |
| <b>76429</b> |         | 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                                     |
| <b>76431</b> |         |      |                                                                                   | 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                                    |
| <b>76433</b> |         | 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)                                                                            |
|--------------|-------|------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>76434</b> | Cu-Be | 6    | 90080                                                                              | 70728, 70729, 70730, 70731, 70732, 70734                                                         | 3/8, 7/16, 1/2, 9/16, 5/8, 3/4                                                    |
| <b>76436</b> |       | 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                                       |
| <b>76438</b> |       | 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                              |
| <b>76440</b> |       | 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                 |
| <b>76442</b> |       | 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 |



## INCH

| COD.         | MAT.    | PCS. |  | COD. PCS.                                                                                        | (inch)                                                                            |
|--------------|---------|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>76435</b> | Al-Bron | 6    | 90080                                                                               | 70754, 70755, 70756, 70757, 70758, 70760                                                         | 3/8, 7/16, 1/2, 9/16, 5/8, 3/4                                                    |
| <b>76437</b> |         | 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                                       |
| <b>76439</b> |         | 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                              |
| <b>76441</b> |         | 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                 |
| <b>76443</b> |         | 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 |

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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

LLAVES ACODADAS / DOUBLE OFFSET RING WRENCHES / CLÉS POLYGONALES / 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 |



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 |

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

MM

| COD.  | MAT.  | COD.  | MAT.    | AP mm | L (mm) | g  |
|-------|-------|-------|---------|-------|--------|----|
| 76817 | Cu-Be | 76818 | Al-Bron | 6-7   | 100    | 20 |
| 73960 |       | 73961 |         | 7-9   |        |    |
| 76819 |       | 76820 |         | 8-10  | 115    | 40 |
| 76821 |       | 76822 |         | 9-11  |        | 55 |
| 73962 |       | 73963 |         | 10-11 | 140    |    |
| 75418 |       | 75419 |         | 10-12 |        | 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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 73964 | Cu-Be | 73965 | Al-Bron | 12-14                                                                             | 160    | 100                                                                                |
| 77130 |       | 77131 |         | 13-15                                                                             | 180    | 110                                                                                |
| 73966 |       | 73967 |         | 14-17                                                                             |        |                                                                                    |
| 73968 |       | 73969 |         | 16-18                                                                             | 200    | 180                                                                                |
| 76084 |       | 76085 |         | 17-19                                                                             | 220    | 260                                                                                |
| 73970 |       | 73971 |         | 18-19                                                                             |        |                                                                                    |
| 73972 |       | 73973 |         | 17-22                                                                             | 230    | 280                                                                                |
| 73974 |       | 73975 |         | 19-21                                                                             | 240    | 300                                                                                |
| 75420 |       | 75421 |         | 19-22                                                                             |        |                                                                                    |
| 73976 |       | 73977 |         | 20-22                                                                             | 250    | 350                                                                                |
| 73978 |       | 73979 |         | 21-23                                                                             |        | 390                                                                                |
| 73980 |       | 73981 |         | 22-24                                                                             | 280    | 430                                                                                |
| 73982 |       | 73983 |         | 24-27                                                                             |        | 550                                                                                |
| 73984 |       | 73985 |         | 25-28                                                                             | 300    | 600                                                                                |
| 77134 |       | 77135 |         | 26-28                                                                             |        |                                                                                    |
| 73986 |       | 73987 |         | 27-30                                                                             | 310    | 700                                                                                |
| 73988 |       | 73989 |         | 27-32                                                                             | 320    |                                                                                    |
| 73990 |       | 73991 |         | 30-32                                                                             | 340    | 750                                                                                |
| 77136 |       | 77137 |         | 30-36                                                                             | 350    | 800                                                                                |
| 74771 |       | 74772 |         | 32-36                                                                             | 360    | 1000                                                                               |
| 74773 |       | 74774 |         | 36-41                                                                             | 460    | 1400                                                                               |

## INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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                                                                           |        |                                                                                      |
| 76791 |       | 76792 |         | 1/2-5/8                                                                             | 180    | 110                                                                                  |
| 76793 |       | 76794 |         | 9/16-11/16                                                                          |        |                                                                                      |
| 76795 |       | 76796 |         | 5/8-25/32                                                                           |        |                                                                                      |
| 76797 |       | 76798 |         | 11/16-3/4                                                                           | 225    | 250                                                                                  |
| 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                                                                           | 300    | 550                                                                                  |
| 76805 |       | 76806 |         | 15/16-1.1/16                                                                        |        |                                                                                      |
| 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                                                                         |        |                                                                                      |
| 76813 |       | 76814 |         | 1.1/4-1.7/16                                                                        | 360    | 1000                                                                                 |
| 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                                                                                 |



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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

■ MM

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



■ INCH

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



■ 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 LUNETTA INCLINADA PARA ESTRUTURA / КЛЮЧ НАКИДНОЙ ОДНОСТОРОННИЙ ВИЛКООБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

■ MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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                                                                                  |        | 330                                                                                  |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 75442 | Cu-Be | 75443 | Al-Bron | 21                                                                                | 270    | 360                                                                                |
| 70248 |       | 71732 |         | 22                                                                                |        |                                                                                    |
| 76523 |       | 76524 |         | 23                                                                                |        |                                                                                    |
| 70249 |       | 71733 |         | 24                                                                                | 290    | 500                                                                                |
| 77440 |       | 77441 |         | 25                                                                                |        |                                                                                    |
| 77442 |       | 77443 |         | 26                                                                                |        |                                                                                    |
| 70250 |       | 71734 |         | 27                                                                                | 320    | 700                                                                                |
| 77444 |       | 77445 |         | 28                                                                                |        |                                                                                    |
| 77446 |       | 77447 |         | 29                                                                                |        |                                                                                    |
| 70251 |       | 71735 |         | 30                                                                                | 350    | 800                                                                                |
| 70252 |       | 71736 |         | 32                                                                                |        |                                                                                    |
| 77448 |       | 77449 |         | 33                                                                                |        |                                                                                    |
| 77450 |       | 77451 |         | 34                                                                                | 390    | 900                                                                                |
| 77452 |       | 77453 |         | 35                                                                                |        |                                                                                    |
| 70253 |       | 71737 |         | 36                                                                                |        |                                                                                    |
| 77454 |       | 77455 |         | 37                                                                                | 400    | 1000                                                                               |
| 70254 |       | 71738 |         | 38                                                                                |        |                                                                                    |
| 70255 |       | 71739 |         | 41                                                                                |        |                                                                                    |
| 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.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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                                                                               |        | 650                                                                                  |
| 77476 |       | 77477 |         | 1.3/16                                                                              | 430    |                                                                                      |
| 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                                                                               |        | 1150                                                                                 |
| 77482 |       | 77483 |         | 1.9/16                                                                              | 490    |                                                                                      |
| 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    | 1900                                                                                 |
| 74618 |       | 74619 |         | 2                                                                                   |        |                                                                                      |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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 ВИЛКОБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

MM

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



INCH

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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

MM

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



INCH

| COD.  | MAT.  | COD.  | MAT.    | AP 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 |



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

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 70280 | Cu-Be | 71013 | Al-Bron | 14                                                                                  | 120    | 0,1                                                                                  |
| 70281 |       | 71014 |         | 17                                                                                  | 125    |                                                                                      |
| 70282 |       | 71015 |         | 19                                                                                  |        |                                                                                      |
| 70283 |       | 71016 |         | 22                                                                                  | 135    | 0,2                                                                                  |
| 70284 |       | 71017 |         | 24                                                                                  | 150    |                                                                                      |
| 74875 |       | 74876 |         | 25                                                                                  |        |                                                                                      |
| 70285 |       | 71018 |         | 27                                                                                  | 165    | 0,3                                                                                  |
| 74877 |       | 74878 |         | 28                                                                                  |        |                                                                                      |
| 77278 |       | 77279 |         | 29                                                                                  |        |                                                                                      |
| 70286 |       | 71019 |         | 30                                                                                  | 180    | 0,4                                                                                  |
| 70287 |       | 71020 |         | 32                                                                                  | 190    |                                                                                      |
| 77280 |       | 77281 |         | 33                                                                                  |        |                                                                                      |
| 74847 |       | 74848 |         | 34                                                                                  | 200    | 0,6                                                                                  |
| 77282 |       | 77283 |         | 35                                                                                  | 210    | 0,7                                                                                  |
| 70288 |       | 71021 |         | 36                                                                                  |        |                                                                                      |
| 77284 |       | 77285 |         | 37                                                                                  |        |                                                                                      |
| 74341 |       | 74342 |         | 38                                                                                  | 220    | 0,8                                                                                  |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 70289 | Cu-Be | 71022 | Al-Bron | 41                                                                                | 230    | 0,9                                                                                |
| 77286 |       | 77287 |         | 42                                                                                |        |                                                                                    |
| 77777 |       | 77778 |         | 45                                                                                |        |                                                                                    |
| 70290 |       | 71023 |         | 46                                                                                | 240    | 1,1                                                                                |
| 77288 |       | 77289 |         | 47                                                                                |        |                                                                                    |
| 70291 |       | 71024 |         | 50                                                                                | 250    | 1,2                                                                                |
| 77290 |       | 77291 |         | 52                                                                                |        |                                                                                    |
| 77292 |       | 77293 |         | 54                                                                                |        | 270                                                                                |
| 70292 |       | 71025 |         | 55                                                                                |        |                                                                                    |
| 77294 |       | 77295 |         | 56                                                                                | 290    |                                                                                    |
| 77296 |       | 77297 |         | 58                                                                                |        |                                                                                    |
| 70293 |       | 71026 |         | 60                                                                                |        | 310                                                                                |
| 77298 |       | 77299 |         | 63                                                                                |        |                                                                                    |
| 70294 |       | 71027 |         | 65                                                                                | 320    |                                                                                    |
| 77300 |       | 77301 |         | 67                                                                                |        |                                                                                    |
| 70295 |       | 71028 |         | 70                                                                                |        | 340                                                                                |
| 77302 |       | 77303 |         | 71                                                                                |        |                                                                                    |
| 70296 |       | 71029 |         | 75                                                                                | 350    |                                                                                    |
| 77304 |       | 77305 |         | 77                                                                                |        |                                                                                    |
| 71007 |       | 71030 |         | 80                                                                                |        | 360                                                                                |
| 77306 |       | 77307 |         | 82                                                                                |        |                                                                                    |
| 71008 |       | 71031 |         | 85                                                                                | 370    |                                                                                    |
| 77308 |       | 77309 |         | 88                                                                                |        |                                                                                    |
| 71009 |       | 71032 |         | 90                                                                                |        | 380                                                                                |
| 77310 |       | 77311 |         | 94                                                                                |        |                                                                                    |
| 71010 |       | 71033 |         | 95                                                                                | 390    |                                                                                    |
| 71011 |       | 71034 |         | 100                                                                               |        |                                                                                    |
| 71012 |       | 71035 |         | 105                                                                               |        | 400                                                                                |
| 74849 |       | 74850 |         | 110                                                                               |        |                                                                                    |
| 74880 |       | 74881 |         | 115                                                                               | 430    |                                                                                    |
| 77312 |       | 77313 |         | 120                                                                               |        |                                                                                    |
| 74761 |       | 74762 |         | 125                                                                               |        | 440                                                                                |
| 77314 |       | 77315 |         | 130                                                                               |        |                                                                                    |
| 77316 |       | 77317 |         | 135                                                                               | 460    |                                                                                    |
| 77318 |       | 77319 |         | 140                                                                               |        |                                                                                    |
| 77320 |       | 77321 |         | 145                                                                               |        | 530                                                                                |
| 77322 |       | 77323 |         | 150                                                                               |        |                                                                                    |
| 77324 |       | 77325 |         | 155                                                                               |        |                                                                                    |

## INCH

| COD.  | MAT.  | COD.  | MAT.    | AP inch | L (mm) | Kg  |
|-------|-------|-------|---------|---------|--------|-----|
| 71036 | Cu-Be | 71055 | Al-Bron | 9/16    | 110    | 0,2 |
| 72105 |       | 72113 |         | 5/8     |        |     |
| 71037 |       | 71056 |         | 11/16   | 125    | 0,3 |
| 71038 |       | 71057 |         | 3/4     |        |     |
| 71039 |       | 71058 |         | 7/8     | 135    | 0,4 |
| 71040 |       | 71059 |         | 15/16   |        |     |
| 72106 |       | 72114 |         | 1       | 165    | 0,6 |
| 71041 |       | 71060 |         | 1.1/16  |        |     |
| 72107 |       | 72115 |         | 1.1/8   | 180    | 0,7 |
| 74851 |       | 74852 |         | 1.3/16  |        |     |
| 71042 |       | 71061 |         | 1.1/4   | 190    | 1,6 |
| 77326 |       | 77327 |         | 1.5/16  |        |     |
| 72108 |       | 72116 |         | 1.3/8   | 210    | 1,6 |
| 71043 |       | 71062 |         | 1.7/16  |        |     |
| 72109 |       | 72117 |         | 1.1/2   | 230    | 1,6 |
| 77328 |       | 77329 |         | 1.9/16  |        |     |
| 71044 |       | 71063 |         | 1.5/8   |        |     |

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



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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 77330 | Cu-Be | 77331 | Al-Bron | 1.11/16                                                                           | 230    | 1,6                                                                                |
| 77332 |       | 77333 |         | 1.3/4                                                                             | 240    |                                                                                    |
| 71045 |       | 71064 |         | 1.13/16                                                                           |        |                                                                                    |
| 72110 |       | 72118 |         | 1.7/8                                                                             | 250    | 1,8                                                                                |
| 71046 |       | 71065 |         | 2                                                                                 |        | 2,1                                                                                |
| 77334 |       | 77335 |         | 2.1/16                                                                            |        |                                                                                    |
| 77336 |       | 77337 |         | 2.1/8                                                                             | 270    | 2,6                                                                                |
| 71047 |       | 71066 |         | 2.3/16                                                                            | 290    |                                                                                    |
| 72111 |       | 72119 |         | 2.1/4                                                                             |        |                                                                                    |
| 77338 |       | 77339 |         | 2.5/16                                                                            | 310    | 4                                                                                  |
| 71048 |       | 71067 |         | 2.3/8                                                                             |        |                                                                                    |
| 77340 |       | 77341 |         | 2.7/16                                                                            |        | 320                                                                                |
| 72112 |       | 72120 |         | 2.1/2                                                                             |        |                                                                                    |
| 71049 |       | 71068 |         | 2.9/16                                                                            | 340    | 7                                                                                  |
| 77342 |       | 77343 |         | 2.5/8                                                                             |        |                                                                                    |
| 74853 |       | 74854 |         | 2.3/4                                                                             |        | 360                                                                                |
| 77344 |       | 77345 |         | 2.13/16                                                                           |        |                                                                                    |
| 77346 |       | 77347 |         | 2.15/16                                                                           | 400    |                                                                                    |
| 71050 |       | 71069 |         | 3                                                                                 |        |                                                                                    |
| 71051 |       | 71070 |         | 3.1/8                                                                             |        | 430                                                                                |
| 74855 |       | 74856 |         | 3.3/16                                                                            |        |                                                                                    |
| 77348 |       | 77349 |         | 3.1/4                                                                             | 460    |                                                                                    |
| 74857 |       | 74858 |         | 3.3/8                                                                             |        |                                                                                    |
| 77350 |       | 77351 |         | 3.1/2                                                                             |        | 500                                                                                |
| 71052 |       | 71071 |         | 3.9/16                                                                            |        |                                                                                    |
| 77352 |       | 77353 |         | 3.5/8                                                                             | 530    |                                                                                    |
| 74859 |       | 74860 |         | 3.3/4                                                                             |        |                                                                                    |
| 77354 |       | 77355 |         | 3.7/8                                                                             |        | 630                                                                                |
| 71053 |       | 71072 |         | 4                                                                                 |        |                                                                                    |
| 77356 |       | 77357 |         | 4.1/8                                                                             | 630    |                                                                                    |
| 71054 |       | 71073 |         | 4.5/16                                                                            |        |                                                                                    |
| 77358 |       | 77359 |         | 4.9/16                                                                            |        |                                                                                    |
| 77360 |       | 77361 |         | 4.11/16                                                                           |        |                                                                                    |
| 77362 |       | 77363 |         | 4.15/16                                                                           | 630    | 23                                                                                 |
| 77364 |       | 77365 |         | 5.3/8                                                                             |        |                                                                                    |
| 77366 |       | 77367 |         | 6                                                                                 |        |                                                                                    |

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

■ MM

| COD.  | MAT.  | COD.  | MAT.    | AP  | L (mm) | Kg  |
|-------|-------|-------|---------|----------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------|
| 70297 | Cu-Be | 71080 | Al-Bron | 17                                                                                     | 147    | 0,13                                                                                    |
| 70298 |       | 71081 |         | 19                                                                                     |        | 0,127                                                                                   |
| 72231 |       | 72230 |         | 20                                                                                     |        | 0,22                                                                                    |
| 70299 |       | 71082 |         | 22                                                                                     | 172    | 0,231                                                                                   |
| 70300 |       | 71083 |         | 24                                                                                     |        | 0,215                                                                                   |
| 72631 |       | 72677 |         | 25                                                                                     |        | 0,23                                                                                    |
| 71906 |       | 72951 |         | 26                                                                                     | 180    | 0,29                                                                                    |
| 70301 |       | 71084 |         | 27                                                                                     |        |                                                                                         |
| 72633 |       | 72679 |         | 28                                                                                     |        |                                                                                         |
| 72634 |       | 72680 |         | 29                                                                                     | 190    | 0,39                                                                                    |
| 70302 |       | 71085 |         | 30                                                                                     |        | 0,388                                                                                   |
| 72635 |       | 72681 |         | 31                                                                                     |        | 0,39                                                                                    |
| 70303 |       | 71086 |         | 32                                                                                     | 200    | 0,4095                                                                                  |
| 72609 |       | 72619 |         | 33                                                                                     |        | 0,402                                                                                   |
| 73326 |       | 73331 |         | 34                                                                                     |        | 0,525                                                                                   |
| 72610 |       | 72620 |         | 35                                                                                     |        |                                                                                         |
| 70304 |       | 71087 |         | 36                                                                                     |        |                                                                                         |
| 72611 |       | 72621 |         | 37                                                                                     |        | 0,505                                                                                   |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
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ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Kg     |
|-------|-------|-------|---------|-------|--------|--------|
| 71834 |       | 71835 |         | 38    |        |        |
| 72636 |       | 72682 |         | 39    |        | 0,76   |
| 73327 |       | 73332 |         | 40    | 225    | 0,762  |
| 70305 |       | 71088 |         | 41    |        | 0,782  |
| 73328 |       | 73333 |         | 42    |        | 0,78   |
| 72638 |       | 72684 |         | 43    |        |        |
| 73329 |       | 73334 |         | 44    |        | 0,925  |
| 72640 |       | 72686 |         | 45    | 235    |        |
| 70306 |       | 71089 |         | 46    |        | 0,927  |
| 72229 |       | 72228 |         | 47    |        | 0,925  |
| 73330 |       | 73335 |         | 48    |        |        |
| 72642 |       | 72688 |         | 49    |        |        |
| 70307 |       | 71090 |         | 50    | 245    | 1,135  |
| 72643 |       | 72689 |         | 51    |        |        |
| 70308 |       | 71091 |         | 52    |        | 1,39   |
| 72644 |       | 72690 |         | 53    |        |        |
| 72613 |       | 72623 |         | 54    | 265    | 1,3915 |
| 70309 |       | 71092 |         | 55    |        | 1,39   |
| 73470 |       | 73394 |         | 56    |        |        |
| 72647 |       | 72693 |         | 57    |        |        |
| 73471 |       | 73395 |         | 58    |        |        |
| 72648 |       | 72694 |         | 59    | 275    | 1,655  |
| 70310 |       | 71093 |         | 60    |        |        |
| 72650 |       | 72696 |         | 61    |        |        |
| 72651 |       | 72697 |         | 62    |        |        |
| 72652 |       | 72698 |         | 63    |        |        |
| 72653 |       | 72699 |         | 64    | 290    | 1,96   |
| 70311 |       | 71094 |         | 65    |        |        |
| 72655 |       | 73340 |         | 66    |        |        |
| 72615 | Cu-Be | 72625 | Al-Bron | 67    |        |        |
| 72656 |       | 72702 |         | 68    |        |        |
| 72657 |       | 72703 |         | 69    | 320    | 2,46   |
| 70312 |       | 71095 |         | 70    |        |        |
| 72616 |       | 72626 |         | 71    |        |        |
| 72658 |       | 72704 |         | 72    |        |        |
| 72659 |       | 72705 |         | 73    |        |        |
| 72660 |       | 72706 |         | 74    | 325    | 2,675  |
| 70313 |       | 71096 |         | 75    |        |        |
| 72662 |       | 72708 |         | 76    |        |        |
| 72617 |       | 72627 |         | 77    |        |        |
| 72663 |       | 72709 |         | 78    |        |        |
| 72664 |       | 72710 |         | 79    | 345    | 3,005  |
| 70314 |       | 71097 |         | 80    |        |        |
| 72665 |       | 72711 |         | 81    |        |        |
| 72666 |       | 72712 |         | 82    |        |        |
| 72667 |       | 72713 |         | 83    |        |        |
| 72668 |       | 72714 |         | 84    | 350    | 3,27   |
| 70315 |       | 71098 |         | 85    |        |        |
| 72670 |       | 72716 |         | 86    |        |        |
| 72671 |       | 72717 |         | 87    |        |        |
| 72672 |       | 73342 |         | 88    | 375    | 3,81   |
| 72673 |       | 72719 |         | 89    |        |        |
| 70316 |       | 71099 |         | 90    |        |        |
| 72675 |       | 72721 |         | 92    |        |        |
| 72618 |       | 72628 |         | 94    | 395    | 4,5    |
| 70317 |       | 71100 |         | 95    |        |        |
| 73345 |       | 73344 |         | 98    |        |        |
| 70318 |       | 71101 |         | 100   | 405    | 5,5    |
| 71074 |       | 71102 |         | 105   | 410    | 6,5    |
| 71075 |       | 71103 |         | 110   | 435    | 8,5    |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
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ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    | AP mm | L (mm) | Kg    |
|-------|-------|-------|---------|-------|--------|-------|
| 71076 | Cu-Be | 71104 | Al-Bron | 115   | 435    | 9     |
| 71077 |       | 71105 |         | 120   | 475    | 10    |
| 71078 |       | 71106 |         | 125   | 490    | 10,81 |
| 71079 |       | 71107 |         | 130   | 505    | 11,28 |
| 72084 |       | 72089 |         | 135   | 555    | 12,25 |
| 72085 |       | 72090 |         | 140   | 560    | 13,16 |
| 72086 |       | 72091 |         | 145   |        | 13,63 |
| 72087 |       | 72092 |         | 150   | 565    | 14,1  |
| 72088 |       | 72093 |         | 155   |        |       |
| 72212 |       | 72210 |         | 160   | 595    | 15,98 |

## INCH

| COD.  | MAT.  | COD.  | MAT.    | AP inch | L (mm) | Kg      |
|-------|-------|-------|---------|---------|--------|---------|
| 72121 | Cu-Be | 72127 | Al-Bron | 5/8     | 147    | 0,1316  |
| 71108 |       | 71133 |         | 11/16   |        |         |
| 71109 |       | 71134 |         | 3/4     |        | 0,13536 |
| 71110 |       | 71135 |         | 7/8     |        | 0,2068  |
| 75400 |       | 72303 |         | 15/16   | 172    | 0,2162  |
| 71111 |       | 71136 |         | 1       | 180    | 0,2914  |
| 71112 |       | 71137 |         | 1.1/16  |        |         |
| 72122 |       | 72128 |         | 1.1/8   |        | 0,41924 |
| 71113 |       | 71138 |         | 1.3/16  |        |         |
| 71114 |       | 71139 |         | 1.1/4   | 190    | 0,4606  |
| 75397 |       | 71789 |         | 1.5/16  | 200    | 0,51136 |
| 72123 |       | 72129 |         | 1.3/8   |        |         |
| 71115 |       | 71140 |         | 1.13/32 |        | 0,5076  |
| 72301 |       | 71791 |         | 1.7/16  |        |         |
| 72124 |       | 72130 |         | 1.1/2   | 225    | 0,78396 |
| 75398 |       | 71793 |         | 1.9/16  |        |         |
| 71116 |       | 71141 |         | 1.5/8   |        |         |
| 75406 |       | 71794 |         | 1.11/16 |        |         |
| 72125 |       | 72131 |         | 1.3/4   | 235    | 0,95316 |
| 71117 |       | 71142 |         | 1.13/16 | 245    | 1,1468  |
| 72126 |       | 72132 |         | 1.7/8   |        |         |
| 75399 |       | 71797 |         | 1.15/16 |        |         |
| 71118 |       | 71143 |         | 2       |        |         |
| 75401 |       | 71798 |         | 2.1/16  | 265    | 1,363   |
| 75402 |       | 71799 |         | 2.1/8   |        |         |
| 72954 |       | 71800 |         | 2.3/16  |        |         |
| 75403 |       | 75404 |         | 2.13/64 |        |         |
| 71119 |       | 71144 |         | 2.1/4   | 275    | 1,6732  |
| 71120 |       | 71145 |         | 2.5/16  |        |         |
| 71121 |       | 71146 |         | 2.3/8   |        |         |
| 75405 |       | 71801 |         | 2.7/16  |        | 1,045   |
| 71122 |       | 71147 |         | 2.1/2   | 290    | 1,9646  |
| 71123 |       | 71148 |         | 2.9/16  | 320    | 2,4628  |
| 71124 |       | 71149 |         | 2.5/8   |        |         |
| 71125 |       | 71150 |         | 2.3/4   |        |         |
| 77258 |       | 77259 |         | 2.13/16 |        |         |
| 71126 |       | 71151 |         | 2.15/16 | 325    | 2,6602  |
| 71127 |       | 71152 |         | 3       |        |         |
| 71128 |       | 71153 |         | 3.1/16  |        | 2,9986  |
| 71129 |       | 71154 |         | 3.1/8   | 345    |         |
| 77260 |       | 77261 |         | 3.1/4   | 350    | 3,337   |
| 71130 |       | 71155 |         | 3.3/8   |        |         |
| 76850 |       | 76851 |         | 3.1/2   |        | 3,807   |
| 71131 |       | 71156 |         | 3.9/16  |        |         |
| 76849 |       | 76852 |         | 3.5/8   | 395    | 4       |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    | AF  | L (mm) |  |
|-------|-------|-------|---------|--------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 71132 | Cu-Be | 71157 | Al-Bron | 3.3/4                                                                                | 395    | 4                                                                                  |
| 74335 |       | 75407 |         | 3.7/8                                                                                |        |                                                                                    |
| 75408 |       | 75409 |         | 3.15/16                                                                              | 405    | 5,5                                                                                |
| 77262 |       | 77263 |         | 4                                                                                    |        |                                                                                    |
| 75410 |       | 75411 |         | 4.1/8                                                                                | 410    | 6,5                                                                                |
| 74331 |       | 74332 |         | 4.1/4                                                                                |        |                                                                                    |
| 77264 |       | 77265 |         | 4.5/16                                                                               |        | 8,5                                                                                |
| 75412 |       | 75413 |         | 4.1/2                                                                                | 435    |                                                                                    |
| 77266 |       | 77267 |         | 4.9/16                                                                               |        | 9                                                                                  |
| 75414 |       | 75415 |         | 4.5/8                                                                                |        |                                                                                    |
| 75416 |       | 75417 |         | 4.11/16                                                                              | 475    | 10                                                                                 |
| 74333 |       | 74334 |         | 4.7/8                                                                                |        |                                                                                    |
| 77268 |       | 77269 |         | 4.15/16                                                                              | 490    | 10,81                                                                              |
| 77270 |       | 77271 |         | 5.1/8                                                                                | 505    | 11,28                                                                              |
| 77272 |       | 77273 |         | 5.3/8                                                                                | 555    | 12,22                                                                              |
| 77274 |       | 77275 |         | 5.11/16                                                                              |        | 13,63                                                                              |
| 77276 |       | 77277 |         | 6                                                                                    | 565    | 14,1                                                                               |

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  | L (mm) |  |
|-------|-------|-------|---------|---------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|
| 75465 | Cu-Be | 75466 | Al-Bron | 22                                                                                    | 220    | 500                                                                                 |
| 75467 |       | 75468 |         | 24                                                                                    |        |                                                                                     |
| 74122 |       | 74123 |         | 27                                                                                    | 240    | 650                                                                                 |
| 74124 |       | 74125 |         | 30                                                                                    |        |                                                                                     |
| 74126 |       | 74127 |         | 32                                                                                    | 270    | 900                                                                                 |
| 74128 |       | 74129 |         | 36                                                                                    | 280    | 1000                                                                                |
| 74130 |       | 74131 |         | 41                                                                                    | 300    | 1300                                                                                |
| 74132 |       | 74133 |         | 46                                                                                    | 310    | 1700                                                                                |
| 74134 |       | 74135 |         | 50                                                                                    |        | 2000                                                                                |
| 73593 |       | 73594 |         | 55                                                                                    | 320    | 2200                                                                                |
| 73595 |       | 73596 |         | 60                                                                                    | 350    | 2700                                                                                |
| 73597 |       | 73598 |         | 65                                                                                    | 380    | 3200                                                                                |
| 73599 |       | 73600 |         | 70                                                                                    | 400    | 3800                                                                                |
| 73601 |       | 73602 |         | 75                                                                                    | 420    | 4200                                                                                |
| 73603 |       | 73604 |         | 80                                                                                    | 430    | 5200                                                                                |
| 73605 |       | 73606 |         | 85                                                                                    |        |                                                                                     |
| 73607 |       | 73608 |         | 90                                                                                    |        | 6200                                                                                |
| 73609 |       | 73610 |         | 95                                                                                    |        |                                                                                     |
| 73611 |       | 73612 |         | 100                                                                                   | 440    | 7000                                                                                |
| 73613 |       | 73614 |         | 110                                                                                   |        | 7500                                                                                |
| 73615 |       | 73616 |         | 120                                                                                   |        | 8000                                                                                |

INCH

| COD.  | MAT.  | COD.  | MAT.    | AF  | L (mm) |  |
|-------|-------|-------|---------|----------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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                                                                                  |        |                                                                                      |
| 76825 |       | 76826 |         | 1.13/16                                                                                | 310    | 1700                                                                                 |
| 73665 |       | 73666 |         | 1.7/8                                                                                  |        |                                                                                      |
| 73667 |       | 73668 |         | 2                                                                                      | 320    | 2000                                                                                 |

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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 76827 | Cu-Be | 76828 | Al-Bron | 2.3/16                                                                            | 320    | 2000                                                                               |
| 73669 |       | 73670 |         | 2.1/4                                                                             |        |                                                                                    |
| 73671 |       | 73672 |         | 2.3/8                                                                             |        |                                                                                    |
| 73673 |       | 73674 |         | 2.1/2                                                                             |        |                                                                                    |
| 76829 |       | 76830 |         | 2.9/16                                                                            | 380    | 2700                                                                               |
| 73675 |       | 73676 |         | 2.5/8                                                                             |        |                                                                                    |
| 73677 |       | 73678 |         | 2.3/4                                                                             |        |                                                                                    |
| 73679 |       | 73680 |         | 2.7/8                                                                             | 400    | 3200                                                                               |
| 73681 |       | 73682 |         | 3                                                                                 |        |                                                                                    |
|       |       |       |         |                                                                                   | 420    | 4200                                                                               |

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

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 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                                                                               |



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.    |  | L (mm) |  |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|--|
| 73993 | Cu-Be | 73994 | Al-Bron | 8                                                                                   | 100    | 25                                                                                   |  |
| 73995 |       | 73996 |         | 10                                                                                  | 110    | 35                                                                                   |  |
| 73997 |       | 73998 |         | 12                                                                                  | 120    | 50                                                                                   |  |
| 76021 |       | 76022 |         | 13                                                                                  | 130    | 75                                                                                   |  |
| 73999 |       | 74000 |         | 14                                                                                  |        |                                                                                      |  |
| 77152 |       | 77153 |         | 15                                                                                  | 140    | 85                                                                                   |  |
| 74001 |       | 74002 |         | 16                                                                                  | 145    | 120                                                                                  |  |
| 74003 |       | 74004 |         | 17                                                                                  | 150    | 130                                                                                  |  |
| 74005 |       | 74006 |         | 18                                                                                  | 160    | 135                                                                                  |  |
| 74007 |       | 74008 |         | 19                                                                                  | 170    | 170                                                                                  |  |
| 74009 |       | 74010 |         | 20                                                                                  | 175    | 180                                                                                  |  |
| 74011 |       | 74012 |         | 21                                                                                  | 185    | 185                                                                                  |  |
| 74013 |       | 74014 |         | 22                                                                                  | 190    | 195                                                                                  |  |
| 76718 |       | 76719 |         | 23                                                                                  | 210    | 210                                                                                  |  |
| 74015 |       | 74016 |         | 24                                                                                  |        |                                                                                      |  |
| 76720 |       | 76721 |         | 25                                                                                  | 215    | 250                                                                                  |  |
| 76722 |       | 76723 |         | 26                                                                                  | 230    |                                                                                      |  |
| 74017 |       | 74018 |         | 27                                                                                  |        |                                                                                      |  |
| 76724 |       | 76725 |         | 28                                                                                  | 250    | 340                                                                                  |  |
| 76726 |       | 76727 |         | 29                                                                                  |        |                                                                                      |  |
| 74019 |       | 74020 |         | 30                                                                                  |        |                                                                                      |  |
| 74021 |       | 74022 |         | 32                                                                                  | 270    | 450                                                                                  |  |
| 76728 |       | 76729 |         | 33                                                                                  |        |                                                                                      |  |
| 74023 |       | 74024 |         | 34                                                                                  | 280    | 500                                                                                  |  |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | g    |
|-------|-------|-------|---------|-------|--------|------|
| 77154 |       | 77155 |         | 35    |        | 650  |
| 74025 |       | 74026 |         | 36    | 290    | 750  |
| 76088 |       | 76089 |         | 37    |        |      |
| 74027 |       | 74028 |         | 38    | 300    | 850  |
| 74029 |       | 74030 |         | 41    | 310    | 950  |
| 77158 |       | 77159 |         | 42    |        |      |
| 74031 |       | 74032 |         | 45    | 320    | 1200 |
| 74033 |       | 74034 |         | 46    | 330    | 1250 |
| 77160 |       | 77161 |         | 47    | 340    | 1400 |
| 74035 |       | 74036 |         | 48    |        |      |
| 74037 |       | 74038 |         | 50    | 350    |      |
| 77162 |       | 77163 |         | 52    |        | 1500 |
| 77164 |       | 77165 |         | 54    |        |      |
| 74039 |       | 74040 |         | 55    | 370    | 1700 |
| 74041 |       | 74042 |         | 56    |        | 1750 |
| 77166 | Cu-Be | 77167 | Al-Bron | 58    |        |      |
| 74043 |       | 74044 |         | 60    | 390    | 1900 |
| 77168 |       | 77169 |         | 63    | 410    | 2200 |
| 74045 |       | 74046 |         | 65    |        |      |
| 77170 |       | 77171 |         | 67    | 430    | 2600 |
| 74047 |       | 74048 |         | 70    |        |      |
| 77172 |       | 77173 |         | 71    | 450    | 3200 |
| 74049 |       | 74050 |         | 75    |        |      |
| 77174 |       | 77175 |         | 77    | 470    | 4000 |
| 74051 |       | 74052 |         | 80    |        |      |
| 77176 |       | 77177 |         | 82    | 490    | 4400 |
| 74053 |       | 74054 |         | 85    | 600    | 4450 |
| 77178 |       | 77179 |         | 88    |        |      |
| 77180 |       | 77181 |         | 90    |        |      |
| 77182 |       | 77183 |         | 94    | 650    | 5500 |
| 77184 |       | 77185 |         | 95    |        |      |

## 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 | Cu-Be | 77211 | Al-Bron | 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    | 500  |
| 77218 |       | 77219 |         | 1.3/8   | 295    | 600  |
| 74643 |       | 75472 |         | 1.7/16  | 300    |      |
| 74642 |       | 75473 |         | 1.1/2   |        |      |
| 77220 |       | 77221 |         | 1.9/16  | 330    | 850  |
| 74644 |       | 75474 |         | 1.5/8   |        |      |
| 77222 |       | 77223 |         | 1.11/16 |        |      |
| 77224 |       | 77225 |         | 1.3/4   | 360    | 1050 |



Cu-Be Cobre berillo / 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 Алюминий Бронза

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    | AF  | L (mm) |  |
|-------|-------|-------|---------|--------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 74645 | Cu-Be | 75475 | Al-Bron | 1.13/16                                                                              | 360    | 1100                                                                               |
| 77226 |       | 77227 |         | 1.7/8                                                                                |        |                                                                                    |
| 74646 |       | 75476 |         | 2                                                                                    |        |                                                                                    |
| 74647 |       | 74648 |         | 2.1/16                                                                               |        |                                                                                    |
| 77228 |       | 77229 |         | 2.1/8                                                                                | 450    | 1500                                                                               |
| 77230 |       | 77231 |         | 2.3/16                                                                               |        |                                                                                    |
| 77232 |       | 77233 |         | 2.1/4                                                                                |        |                                                                                    |
| 77234 |       | 77235 |         | 2.5/16                                                                               |        |                                                                                    |
| 77236 |       | 77237 |         | 2.3/8                                                                                | 475    | 1750                                                                               |
| 77238 |       | 77239 |         | 2.7/16                                                                               |        |                                                                                    |
| 77240 |       | 77241 |         | 2.1/2                                                                                |        |                                                                                    |
| 77242 |       | 77243 |         | 2.9/16                                                                               | 510    | 1950                                                                               |
| 77244 |       | 77245 |         | 2.3/4                                                                                |        |                                                                                    |
| 77246 |       | 77247 |         | 2.15/16                                                                              |        |                                                                                    |
| 77248 |       | 77249 |         | 3                                                                                    |        |                                                                                    |
| 77250 |       | 77251 |         | 3.1/8                                                                                | 620    | 3900                                                                               |
| 77252 |       | 77253 |         | 3.3/8                                                                                |        |                                                                                    |
| 77254 |       | 77255 |         | 3.1/2                                                                                |        |                                                                                    |
| 77256 |       | 77257 |         | 3.3/4                                                                                |        |                                                                                    |

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  | L (mm) |  |
|-------|-------|-------|---------|----------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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  | L (mm) |  |
|-------|-------|-------|---------|----------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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                                                                                     |        |                                                                                      |
| 74068 |       | 74069 |         | 22                                                                                     | 200    | 220                                                                                  |
| 74070 |       | 74071 |         | 24                                                                                     |        |                                                                                      |
| 74072 |       | 74073 |         | 27                                                                                     |        |                                                                                      |
| 74074 |       | 74075 |         | 30                                                                                     | 250    | 550                                                                                  |
| 74076 |       | 74077 |         | 32                                                                                     |        |                                                                                      |
| 74078 |       | 74079 |         | 34                                                                                     |        |                                                                                      |
| 74080 |       | 74081 |         | 36                                                                                     | 290    | 600                                                                                  |
| 74082 |       | 74083 |         | 38                                                                                     |        |                                                                                      |
| 74084 |       | 74085 |         | 41                                                                                     |        |                                                                                      |
| 74086 |       | 74087 |         | 46                                                                                     | 340    | 1000                                                                                 |
| 74088 |       | 74089 |         | 50                                                                                     |        |                                                                                      |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 74378 | Cu-Be | 74379 | Al-Bron | 51                                                                                | 340    | 1250                                                                               |
| 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                                                                               |

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

■ MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 74162 | Cu-Be | 74163 | Al-Bron | 6                                                                                 | 110    | 60                                                                                 |
| 74164 |       | 74165 |         | 8                                                                                 | 120    | 75                                                                                 |
| 74166 |       | 74167 |         | 9                                                                                 | 140    | 90                                                                                 |
| 74168 |       | 74169 |         | 10                                                                                | 140    | 100                                                                                |
| 74170 |       | 74171 |         | 11                                                                                | 160    | 120                                                                                |
| 74172 |       | 74173 |         | 12                                                                                | 190    | 170                                                                                |
| 74174 |       | 74175 |         | 13                                                                                | 200    | 180                                                                                |
| 74176 |       | 74177 |         | 14                                                                                | 250    | 270                                                                                |
| 74178 |       | 74179 |         | 16                                                                                | 250    | 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.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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

■ MM

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



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

## INCH

| COD.  | MAT.  | COD.  | MAT.    | AF <sup>↓</sup><br>inch<br>↑ | L (mm) | AF <sup>↓</sup><br>inch<br>↑ | g<br>▲ |
|-------|-------|-------|---------|------------------------------|--------|------------------------------|--------|
| 35728 |       | 35729 |         | 3/8                          |        |                              |        |
| 74814 |       | 74815 |         | 7/16                         | 35     |                              |        |
| 74816 |       | 74817 |         | 1/2                          |        |                              |        |
| 72541 |       | 72542 |         | 9/16                         |        |                              | 50     |
| 72543 |       | 72544 |         | 5/8                          | 37     |                              |        |
| 72545 |       | 72546 |         | 11/16                        | 38     |                              |        |
| 72547 |       | 72548 |         | 7/8                          | 43     |                              | 55     |
| 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    |



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



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

INCH

| COD.  | MAT.  | COD.  | MAT.    |  inch | L (mm) |  |
|-------|-------|-------|---------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 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    |                                                                                    |
| 77388 |       | 77389 |         | 1.9/16                                                                                 |        |                                                                                    |
| 77390 |       | 77391 |         | 1.5/8                                                                                  |        | 1000                                                                               |
| 77392 |       | 77393 |         | 1.11/16                                                                                |        |                                                                                    |
| 77394 |       | 77395 |         | 1.3/4                                                                                  | 280    |                                                                                    |
| 77396 |       | 77397 |         | 1.13/16                                                                                |        |                                                                                    |
| 77398 |       | 77399 |         | 1.7/8                                                                                  |        |                                                                                    |
| 77400 |       | 77401 |         | 2                                                                                      |        | 290                                                                                |
| 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                                                                                |
| 77418 |       | 77419 |         | 2.9/16                                                                                 |        |                                                                                    |
| 77420 |       | 77421 |         | 2.5/8                                                                                  |        |                                                                                    |
| 77422 |       | 77423 |         | 2.3/4                                                                                  | 365    |                                                                                    |
| 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                                                                                  |        |                                                                                    |



EXTENSION PARA LLAVE ESTRELLA ACODADA / EXTENSION FOR OFFSET RING SPANNER / RALLONGE DE CLÉ POLYгонаLE CONTRE-COUDÉE / VERLÄNGERUNG FÜR RINGSCHLÜSSEL / ESTENSIONE PER CHIAVI POLIGONALI / EXTENSÃO PA CHAVE LUNETA CURVA / УДЛИНИТЕЛЬ ДЛЯ КЛЮЧА ИЗОГНУТАЯ ЗВЕЗДОЧКА

| COD.  | MAT.                         | AP <sup>↓</sup><br>mm <sup>↑</sup> | AP <sup>↓</sup><br>inch <sup>↑</sup> | L (mm) | O.D.<br>mm | g <sup>↑</sup> |
|-------|------------------------------|------------------------------------|--------------------------------------|--------|------------|----------------|
| 72612 | Latón /<br>Brass /<br>Laiton | 24-30                              | 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           |



FIJA DE UNA BOCA / SINGLE ENDED OPEN JAW SPANNER / À FOURCHE

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 75385 | Cu-Be | 75386 | Al-Bron | 5                                                                                   | 75     | 30                                                                                   |
| 70259 |       | 70936 |         | 6                                                                                   | 85     | 40                                                                                   |
| 70260 |       | 70937 |         | 7                                                                                   |        |                                                                                      |
| 70261 |       | 70938 |         | 8                                                                                   | 90     |                                                                                      |
| 70262 |       | 70939 |         | 9                                                                                   | 100    |                                                                                      |
| 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    |                                                                                      |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 70266 | Cu-Be | 70943 | Al-Bron | 17                                                                                | 145    | 50                                                                                 |
| 72943 |       | 71811 |         | 18                                                                                | 150    |                                                                                    |
| 70267 |       | 70944 |         | 19                                                                                | 155    |                                                                                    |
| 72944 |       | 71812 |         | 20                                                                                | 165    | 70                                                                                 |
| 72945 |       | 71813 |         | 21                                                                                | 170    | 85                                                                                 |
| 70268 |       | 70945 |         | 22                                                                                | 180    | 100                                                                                |
| 72946 |       | 71814 |         | 23                                                                                | 190    | 150                                                                                |
| 70269 |       | 70946 |         | 24                                                                                | 195    | 200                                                                                |
| 72947 |       | 71815 |         | 25                                                                                | 210    |                                                                                    |
| 72948 |       | 71816 |         | 26                                                                                | 220    |                                                                                    |
| 70270 |       | 70947 |         | 27                                                                                |        |                                                                                    |
| 72949 |       | 71817 |         | 28                                                                                | 230    | 250                                                                                |
| 72950 |       | 71818 |         | 29                                                                                | 240    | 270                                                                                |
| 70271 |       | 70948 |         | 30                                                                                | 250    | 300                                                                                |
| 72955 |       | 72911 |         | 31                                                                                | 260    |                                                                                    |
| 70272 |       | 70949 |         | 32                                                                                | 270    |                                                                                    |
| 75387 |       | 75388 |         | 34                                                                                | 290    | 400                                                                                |
| 70273 |       | 70950 |         | 36                                                                                | 300    |                                                                                    |
| 74403 |       | 74404 |         | 37                                                                                | 310    |                                                                                    |
| 75389 |       | 75390 |         | 38                                                                                |        |                                                                                    |
| 74344 |       | 74345 |         | 39                                                                                | 320    |                                                                                    |
| 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    |                                                                                    |
| 70276 |       | 70953 |         | 50                                                                                |        | 1200                                                                               |
| 73304 |       | 73309 |         | 52                                                                                |        |                                                                                    |
| 77000 |       | 77001 |         | 54                                                                                | 400    | 1400                                                                               |
| 70277 |       | 70954 |         | 55                                                                                |        |                                                                                    |
| 77002 |       | 77003 |         | 56                                                                                |        | 1800                                                                               |
| 77004 |       | 77005 |         | 58                                                                                |        |                                                                                    |
| 70278 |       | 70955 |         | 60                                                                                |        |                                                                                    |
| 77006 |       | 77007 |         | 63                                                                                | 420    | 2100                                                                               |
| 70279 |       | 70956 |         | 65                                                                                |        |                                                                                    |
| 77008 |       | 77009 |         | 67                                                                                |        | 3000                                                                               |
| 75393 |       | 75394 |         | 70                                                                                | 550    | 3200                                                                               |
| 77010 |       | 77011 |         | 71                                                                                |        | 3400                                                                               |
| 75395 |       | 75396 |         | 75                                                                                |        | 3500                                                                               |
| 77012 |       | 77013 |         | 77                                                                                |        | 4000                                                                               |
| 77014 |       | 77015 |         | 80                                                                                |        | 5000                                                                               |
| 77016 |       | 77017 |         | 82                                                                                | 600    |                                                                                    |
| 77018 |       | 77019 |         | 85                                                                                |        |                                                                                    |
| 77020 |       | 77021 |         | 88                                                                                |        | 5500                                                                               |
| 77022 |       | 77023 |         | 90                                                                                |        | 5800                                                                               |
| 77024 |       | 77025 |         | 94                                                                                |        | 5900                                                                               |
| 77026 |       | 77027 |         | 95                                                                                |        |                                                                                    |
| 77028 |       | 77029 |         | 100                                                                               | 6000   |                                                                                    |

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 77030 |       | 77031 |         | 5/16                                                                              | 90     | 20                                                                                 |
| 77032 |       | 77033 |         | 3/8                                                                               |        |                                                                                    |
| 77034 |       | 77035 |         | 13/32                                                                             | 100    | 35                                                                                 |
| 77036 |       | 77037 |         | 7/16                                                                              | 105    |                                                                                    |
| 77038 |       | 77039 |         | 1/2                                                                               |        |                                                                                    |
| 77040 |       | 77041 |         | 9/16                                                                              | 125    | 55                                                                                 |
| 77042 |       | 77043 |         | 19/32                                                                             |        |                                                                                    |
| 77044 |       | 77045 |         | 5/8                                                                               | 140    | 95                                                                                 |
| 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                                                                             |        |                                                                                    |
| 77078 |       | 77079 |         | 1.9/16                                                                            | 325    | 1000                                                                               |
| 77080 | Cu-Be | 77081 | Al-Bron | 1.5/8                                                                             |        |                                                                                    |
| 77082 |       | 77083 |         | 1.11/16                                                                           |        |                                                                                    |
| 77084 |       | 77085 |         | 1.3/4                                                                             | 350    | 1100                                                                               |
| 77086 |       | 77087 |         | 1.13/16                                                                           |        | 1200                                                                               |
| 77088 |       | 77089 |         | 1.7/8                                                                             |        |                                                                                    |
| 77090 |       | 77091 |         | 2                                                                                 | 375    | 1450                                                                               |
| 77092 |       | 77093 |         | 2.1/16                                                                            |        |                                                                                    |
| 77094 |       | 77095 |         | 2.1/8                                                                             | 400    | 1800                                                                               |
| 76751 |       | 76752 |         | 2.3/16                                                                            |        |                                                                                    |
| 77096 |       | 77097 |         | 2.1/4                                                                             |        |                                                                                    |
| 77098 |       | 77099 |         | 2.5/16                                                                            |        |                                                                                    |
| 77100 |       | 77101 |         | 2.3/8                                                                             | 425    | 2300                                                                               |
| 77102 |       | 77103 |         | 2.7/16                                                                            |        |                                                                                    |
| 77104 |       | 77105 |         | 2.1/2                                                                             |        |                                                                                    |
| 77106 |       | 77107 |         | 2.9/16                                                                            | 450    | 3050                                                                               |
| 77108 |       | 77109 |         | 2.5/8                                                                             |        |                                                                                    |
| 76753 |       | 76754 |         | 2.3/4                                                                             | 475    | 3400                                                                               |
| 77110 |       | 77111 |         | 2.13/16                                                                           |        |                                                                                    |
| 77112 |       | 77113 |         | 2.15/16                                                                           | 500    | 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 berillo / Beryllium copper / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий  
**Al-Bron** Aluminio bronce / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

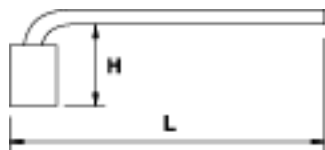
MM

| COD.  | 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 |



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

MM



| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  | H (mm) |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|
| 75489 | Cu-Be | 75490 | Al-Bron | 6                                                                                   | 120    | 100                                                                                 | 29     |
| 75491 |       | 75492 |         | 7                                                                                   | 130    | 120                                                                                 | 30     |
| 70417 |       | 71361 |         | 8                                                                                   | 145    | 140                                                                                 | 33     |
| 70418 |       | 71362 |         | 9                                                                                   | 155    | 180                                                                                 | 37     |
| 73312 |       | 73319 |         | 10                                                                                  | 170    | 190                                                                                 |        |
| 70419 |       | 71363 |         | 11                                                                                  | 190    | 210                                                                                 | 39     |
| 73313 |       | 73320 |         | 12                                                                                  | 210    |                                                                                     | 42     |
| 73314 |       | 73321 |         | 13                                                                                  | 240    | 240                                                                                 | 45     |
| 70420 |       | 71364 |         | 14                                                                                  | 290    |                                                                                     |        |
| 73315 |       | 73322 |         | 15                                                                                  | 330    | 48                                                                                  |        |
| 73316 |       | 73323 |         | 16                                                                                  | 450    |                                                                                     |        |
| 70421 |       | 71365 |         | 17                                                                                  | 500    | 50                                                                                  |        |
| 75493 |       | 75494 |         | 18                                                                                  | 260    | 550                                                                                 | 55     |
| 70422 |       | 71366 |         | 19                                                                                  |        |                                                                                     |        |
| 75495 |       | 75496 |         | 20                                                                                  | 270    | 700                                                                                 | 60     |
| 75497 |       | 75498 |         | 21                                                                                  |        |                                                                                     |        |
| 70423 |       | 71367 |         | 22                                                                                  | 280    | 750                                                                                 |        |
| 75499 |       | 75500 |         | 23                                                                                  |        | 290                                                                                 | 800    |
| 70424 |       | 71368 |         | 24                                                                                  |        |                                                                                     |        |
| 75501 |       | 75502 |         | 25                                                                                  | 850    |                                                                                     | 70     |
| 75503 |       | 75504 |         | 26                                                                                  |        |                                                                                     |        |
| 70425 |       | 71369 |         | 27                                                                                  |        |                                                                                     |        |
| 75505 |       | 75506 |         | 28                                                                                  | 300    | 950                                                                                 | 75     |
| 75507 |       | 75508 |         | 29                                                                                  |        |                                                                                     |        |



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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | g    | H (mm) |
|-------|-------|-------|---------|-------|--------|------|--------|
| 73317 | Cu-Be | 73324 | Al-Bron | 30    | 300    | 950  | 75     |
| 73318 |       | 73325 |         | 32    | 310    |      | 80     |
| 75509 |       | 75510 |         | 33    | 320    | 1100 |        |
| 75511 |       | 75512 |         | 34    |        |      |        |
| 75513 |       | 75514 |         | 35    |        |      | 85     |
| 72916 |       | 72914 |         | 36    | 330    | 1200 |        |
| 75515 |       | 75516 |         | 37    | 350    |      |        |
| 75517 |       | 75518 |         | 38    |        |      |        |
| 72917 |       | 72915 |         | 41    |        | 1300 | 90     |
| 75519 |       | 75520 |         | 42    | 360    |      |        |
| 75521 |       | 75522 |         | 46    |        | 1700 |        |
| 75523 |       | 75524 |         | 47    |        |      |        |
| 75525 |       | 75526 |         | 50    | 370    | 2000 |        |
| 77610 |       | 77611 |         | 52    | 380    |      | 95     |
| 77612 |       | 77613 |         | 54    |        | 2300 |        |
| 75527 |       | 75528 |         | 55    |        |      |        |
| 77614 |       | 77615 |         | 56    |        |      |        |
| 77616 |       | 77617 |         | 58    |        | 2600 |        |
| 75529 |       | 75530 |         | 60    |        |      | 100    |
| 77618 |       | 77619 |         | 63    |        | 2700 |        |
| 75531 |       | 75532 |         | 65    |        |      |        |
| 77620 |       | 77621 |         | 67    |        | 3000 | 105    |
| 75533 |       | 75534 |         | 70    | 390    |      |        |
| 77622 |       | 77623 |         | 71    |        | 4100 |        |
| 77624 |       | 77625 |         | 75    |        | 4400 | 110    |
| 77626 |       | 77627 |         | 77    |        | 4600 |        |
| 77628 |       | 77629 |         | 80    |        | 4800 | 120    |
| 77630 |       | 77631 |         | 82    | 430    | 6800 |        |

**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     |          | 85   |
| 74730 |       | 74731 |         | 8-9   | 110    | 14     | 16     | 4        | 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     |          | 510  |
| 74740 |       | 74741 |         | 18-19 | 150    | 27     | 29     | 11       | 570  |
| 74742 |       | 74743 |         | 20-22 | 155    | 30     | 33     |          | 710  |
| 74744 |       | 74745 |         | 21-23 | 165    | 31     | 34     | 12       | 750  |
| 74746 |       | 74747 |         | 24-26 | 180    | 35     | 37     |          | 970  |
| 74748 |       | 74749 |         | 25-28 | 190    | 36     | 40     |          | 1050 |
| 74750 |       | 74751 |         | 27-29 |        | 39     | 42     | 13       | 1100 |
| 74827 |       | 74828 |         | 30-36 |        | 43     | 50     |          | 1400 |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

| COD.  | MAT.  | COD.  | MAT.    | AP 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    |         | 100  |
| 77754 |       | 77755 |         | 19-20  | 180    | 10      | 105  |
| 77756 |       | 77757 |         | 21-22  | 190    | 12      | 165  |
| 77758 |       | 77759 |         | 23-28  |        | 13      | 210  |
| 77760 |       | 77761 |         | 29-34  | 200    | 16      | 320  |
| 77762 |       | 77763 |         | 35-37  |        | 18      | 400  |
| 77764 |       | 77765 |         | 38-42  | 300    |         | 750  |
| 77766 |       | 77767 |         | 46-47  | 350    | 20      | 850  |
| 77768 |       | 77769 |         | 50-56  | 450    | 25      | 1700 |
| 77770 |       | 77771 |         | 58-77  |        | 28      | 2400 |
| 77772 |       | 77773 |         | 80-85  | 500    | 32      | 3150 |
| 77774 |       | 77775 |         | 88-100 | 600    | 36      | 4800 |



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

MM

| COD.  | MAT.  | COD.  | MAT.    | AP mm | L (mm) | g   |
|-------|-------|-------|---------|-------|--------|-----|
| 71370 | Cu-Be | 71381 | Al-Bron | 9     | 170    | 250 |
| 71371 |       | 71382 |         | 11    |        |     |
| 71372 |       | 71383 |         | 14    |        |     |
| 71373 |       | 71384 |         | 17    |        |     |
| 71374 |       | 71385 |         | 19    | 230    | 400 |
| 71375 |       | 71386 |         | 22    |        |     |
| 71376 |       | 71387 |         | 24    |        |     |
| 71377 |       | 71388 |         | 27    |        |     |
| 71378 |       | 71389 |         | 30    | 300    | 900 |
| 71379 |       | 71390 |         | 32    |        |     |
| 72096 |       | 72097 |         | 36    |        |     |
| 71380 |       | 71391 |         | 38    |        |     |



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.    | AP 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.    | AP 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 |



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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | g    |
|-------|-------|-------|---------|-------|--------|------|
| 74204 | Cu-Be | 74205 | Al-Bron | 24    | 260    | 900  |
| 74206 |       | 74207 |         | 27    |        | 950  |
| 74208 |       | 74209 |         | 30    |        | 1200 |
| 74210 |       | 74211 |         | 32    | 300    | 1400 |
| 74212 |       | 74213 |         | 36    |        | 1700 |
| 74214 |       | 74215 |         | 41    |        | 1900 |

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

**STANDARD**

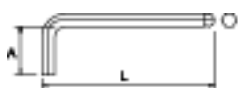
**MM**



| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | A (mm) | g   |
|-------|-------|-------|---------|-------|--------|--------|-----|
| 75553 | Cu-Be | 75554 | Al-Bron | 2     | 52     | 6,5    | 5   |
| 72177 |       | 72184 |         | 3     | 66     | 10,5   |     |
| 72178 |       | 72185 |         | 4     | 74     | 13,5   |     |
| 72179 |       | 72186 |         | 5     | 85     | 40,5   | 20  |
| 72180 |       | 72187 |         | 6     | 96     |        | 30  |
| 75555 |       | 75556 |         | 7     | 102    | 43     | 50  |
| 72181 |       | 72188 |         | 8     | 108    |        | 55  |
| 75557 |       | 75558 |         | 9     | 115    | 57     | 85  |
| 72182 |       | 72189 |         | 10    | 122    | 76     | 100 |
| 75559 |       | 75560 |         | 11    | 129    | 95     | 140 |
| 72183 |       | 72190 |         | 12    | 137    | 121    | 160 |



**INCH**



| COD.  | MAT.  | COD.  | MAT.    | AF inch | L (mm) | A (mm) | g     |
|-------|-------|-------|---------|---------|--------|--------|-------|
| 36250 | Cu-Be | 36251 | Al-Bron | 1/8     | 66     | 20     | 10,45 |
| 36252 |       | 36253 |         | 5/32    | 74     | 25     | 13,5  |
| 36254 |       | 36255 |         | 3/16    | 85     | 28     | 40,5  |
| 36256 |       | 36257 |         | 7/32    | 96     | 32     |       |
| 36258 |       | 36259 |         | 1/4     | 102    | 34     | 43    |
| 36260 |       | 36261 |         | 5/16    | 108    | 36     |       |
| 36262 |       | 36263 |         | 3/8     | 122    | 40     | 76    |



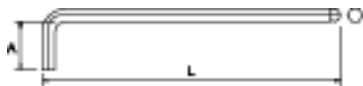
**Cu-Be** Cobre berilio / Beryllium copper / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий  
**Al-Bron** Aluminio bronze / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SCHNKE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЕ

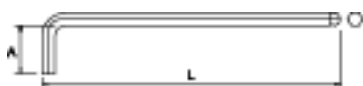
■ MM



| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | A (mm) | g   |
|-------|-------|-------|---------|-------|--------|--------|-----|
| 77562 | Cu-Be | 77563 | Al-Bron | 2     | 101    | 16     | 7   |
| 70410 |       | 71354 |         | 3     | 128    | 20     | 8   |
| 70411 |       | 71355 |         | 4     | 143    | 25     | 17  |
| 70412 |       | 71356 |         | 5     | 160    | 28     | 31  |
| 70413 |       | 71357 |         | 6     | 182    | 32     | 50  |
| 77566 |       | 77567 |         | 7     | 195    | 34     | 65  |
| 70414 |       | 71358 |         | 8     | 209    | 36     | 100 |
| 77568 |       | 77569 |         | 9     | 224    | 38     | 125 |
| 70415 |       | 71359 |         | 10    | 238    | 40     | 150 |
| 70416 |       | 71360 |         | 12    | 270    | 45     | 350 |



■ INCH

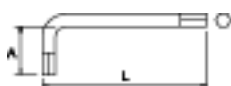


| COD.  | MAT.  | COD.  | MAT.    | AF inch | L (mm) | A (mm) | g   |
|-------|-------|-------|---------|---------|--------|--------|-----|
| 36264 | Cu-Be | 36265 | Al-Bron | 1/8     | 128    | 20     | 21  |
| 36266 |       | 36267 |         | 5/32    | 143    | 25     | 25  |
| 36268 |       | 36269 |         | 3/16    | 160    | 28     | 43  |
| 36270 |       | 36271 |         | 7/32    | 182    | 32     | 61  |
| 36272 |       | 36273 |         | 1/4     | 195    | 34     | 92  |
| 36274 |       | 36275 |         | 5/16    | 209    | 36     | 150 |
| 36276 |       | 36277 |         | 3/8     | 238    | 40     | 250 |



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

■ MM



| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | A (mm) | g    |
|-------|-------|-------|---------|-------|--------|--------|------|
| 72239 | Cu-Be | 72238 | Al-Bron | 1,5   | 46,5   | 14     | 6,5  |
| 70391 |       | 71287 |         | 2     | 52     | 16     |      |
| 72929 |       | 72928 |         | 2,5   | 58,5   | 18     | 8,5  |
| 70392 |       | 71288 |         | 3     | 66     | 20     | 10,5 |
| 70393 |       | 71289 |         | 4     | 74     | 25     | 13,5 |
| 70394 |       | 71290 |         | 5     | 85     | 28     |      |
| 74357 |       | 74358 |         | 5,5   | 80,5   | 26     | 40,5 |
| 70395 |       | 71291 |         | 6     | 96     | 32     |      |
| 70396 |       | 71292 |         | 7     | 102    | 34     | 42,8 |
| 70397 |       | 71293 |         | 8     | 108    | 36     |      |
| 70398 |       | 71294 |         | 9     | 115    | 38     | 57   |
| 70399 |       | 71295 |         | 10    | 122    | 40     | 76   |
| 72241 |       | 72240 |         | 11    | 129    | 42     | 95   |
| 70400 |       | 71296 |         | 12    | 137    | 45     | 121  |
| 72243 |       | 72242 |         | 13    | 146    | 50     | 152  |
| 70401 |       | 71297 |         | 14    | 154    | 55     | 190  |
| 74629 |       | 74634 |         | 15    | 162    | 60     | 230  |



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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | A (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|--------|-------------------------------------------------------------------------------------|
| 72931 | Cu-Be | 72930 | Al-Bron | 16                                                                                | 170    | 60     | 274                                                                                 |
| 70402 |       | 71298 |         | 17                                                                                | 177    | 65     | 321                                                                                 |
| 72245 |       | 72244 |         | 18                                                                                | 188    |        | 380                                                                                 |
| 70403 |       | 71299 |         | 19                                                                                | 199    | 70     | 447                                                                                 |
| 74630 |       | 74631 |         | 20                                                                                | 207    |        | 540                                                                                 |
| 74632 |       | 74633 |         | 21                                                                                | 215    | 75     | 600                                                                                 |
| 70404 |       | 71300 |         | 22                                                                                | 222    | 80     | 691                                                                                 |
| 75228 |       | 75229 |         | 23                                                                                | 238    | 85     | 792                                                                                 |
| 70405 |       | 71301 |         | 24                                                                                | 248    | 90     | 909                                                                                 |
| 75230 |       | 75231 |         | 25                                                                                | 255    |        | 1026                                                                                |
| 75232 |       | 75233 |         | 26                                                                                | 266    | 95     | 1147                                                                                |
| 70406 |       | 71302 |         | 27                                                                                | 277    | 100    | 1290                                                                                |
| 75234 |       | 75235 |         | 28                                                                                | 288    | 110    | 1487                                                                                |
| 75236 |       | 75237 |         | 29                                                                                | 299    | 115    | 1643                                                                                |
| 75238 |       | 75239 |         | 30                                                                                | 310    | 120    | 1788                                                                                |
| 70407 |       | 71303 |         | 32                                                                                | 347    | 125    | 2306                                                                                |
| 70408 |       | 71304 |         | 36                                                                                | 401    | 140    | 3218                                                                                |
| 70409 |       | 71305 |         | 41                                                                                | 431    | 150    | 4609                                                                                |

INCH



| COD.  | MAT.  | COD.  | MAT.    |  | L (mm)    | A (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|-----------|--------|---------------------------------------------------------------------------------------|
| 75537 | Cu-Be | 75538 | Al-Bron | 1/16                                                                                | 46,5875   | 14     | 6,5                                                                                   |
| 72933 |       | 72932 |         | 5/64                                                                                | 51,984375 | 16     |                                                                                       |
| 72935 |       | 72934 |         | 3/32                                                                                | 58,38125  | 18     |                                                                                       |
| 75539 |       | 75540 |         | 7/64                                                                                | 65,778125 | 20     | 10,5                                                                                  |
| 71306 |       | 71330 |         | 1/8                                                                                 | 66,175    |        |                                                                                       |
| 71307 |       | 71331 |         | 9/64                                                                                | 73,571875 | 25     | 13,5                                                                                  |
| 71308 |       | 71332 |         | 5/32                                                                                | 73,96875  |        |                                                                                       |
| 71309 |       | 71333 |         | 3/16                                                                                | 84,7625   | 28     | 40,5                                                                                  |
| 71310 |       | 71334 |         | 7/32                                                                                | 95,55625  | 32     |                                                                                       |
| 71311 |       | 71335 |         | 1/4                                                                                 | 101,35    | 34     | 42,8                                                                                  |
| 75541 |       | 75542 |         | 9/32                                                                                | 102,14375 |        |                                                                                       |
| 71312 |       | 71336 |         | 5/16                                                                                | 102,9375  |        |                                                                                       |
| 75543 |       | 75544 |         | 11/32                                                                               | 108,73125 | 36     | 57                                                                                    |
| 71313 |       | 71337 |         | 3/8                                                                                 | 115,525   | 38     |                                                                                       |
| 71314 |       | 71338 |         | 7/16                                                                                | 129,1125  | 42     |                                                                                       |
| 71315 |       | 71339 |         | 1/2                                                                                 | 137,7     | 45     | 121                                                                                   |
| 71316 |       | 71340 |         | 9/16                                                                                | 154,2875  | 55     | 190                                                                                   |
| 71317 |       | 71341 |         | 5/8                                                                                 | 162,875   | 60     | 230                                                                                   |
| 71318 |       | 71342 |         | 11/16                                                                               | 177,4625  | 65     | 321                                                                                   |
| 71319 |       | 71343 |         | 3/4                                                                                 | 199,05    | 70     | 447                                                                                   |
| 75545 |       | 75546 |         | 13/16                                                                               | 207,6375  | 75     | 540                                                                                   |
| 71320 |       | 71344 |         | 7/8                                                                                 | 222,225   | 80     | 691                                                                                   |
| 75547 |       | 75548 |         | 15/16                                                                               | 238,8125  | 85     | 792                                                                                   |
| 71321 |       | 71345 |         | 1                                                                                   | 255,4     | 95     | 1026                                                                                  |
| 71322 |       | 71346 |         | 1.1/16                                                                              | 266,9875  | 90     | 1147                                                                                  |
| 71323 |       | 71347 |         | 1.1/8                                                                               | 288,575   | 110    | 1487                                                                                  |
| 75549 |       | 75550 |         | 1.3/16                                                                              | 310,1625  | 120    | 1788                                                                                  |
| 71324 |       | 71348 |         | 1.1/4                                                                               | 346,75    | 125    | 2306                                                                                  |
| 71325 |       | 71349 |         | 1.5/16                                                                              | 398,3375  | 140    | 3218                                                                                  |
| 71326 |       | 71350 |         | 1.3/8                                                                               | 399,925   |        |                                                                                       |
| 71327 |       | 71351 |         | 1.7/16                                                                              | 401,5125  |        |                                                                                       |
| 71328 |       | 71352 |         | 1.1/2                                                                               | 428,1     | 150    | 4609                                                                                  |
| 71329 |       | 71353 |         | 1.5/8                                                                               | 431,275   |        |                                                                                       |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

## SET

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



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

| COD.         | MAT.  | COD.         | MAT.    |  | L (mm) | Nm  |  |
|--------------|-------|--------------|---------|-----------------------------------------------------------------------------------|--------|-----|-------------------------------------------------------------------------------------|
| <b>72171</b> | Cu-Be | <b>72174</b> | Al-Bron | 3/8                                                                               | 310    | 100 | 600                                                                                 |
| <b>72172</b> |       | <b>72175</b> |         | 1/2                                                                               | 490    | 300 | 1250                                                                                |
| <b>72173</b> |       | <b>72176</b> |         | 3/4                                                                               | 560    | 500 | 1700                                                                                |

| COD.         | MAT.  | COD.         | MAT.    |  | L (mm) | Nm       |  |
|--------------|-------|--------------|---------|-----------------------------------------------------------------------------------|--------|----------|-------------------------------------------------------------------------------------|
| <b>74810</b> | Cu-Be | <b>74806</b> | Al-Bron | 3/8                                                                               | 360    | 5-45     | 950                                                                                 |
| <b>74821</b> |       | <b>74871</b> |         | 1/2                                                                               | 500    | 40-200   | 1300                                                                                |
| <b>74823</b> |       | <b>74874</b> |         |                                                                                   | 600    | 250-300  | 1450                                                                                |
| <b>35693</b> |       | <b>35694</b> |         |                                                                                   |        | 60-300   | 1420                                                                                |
| <b>75267</b> |       | <b>75274</b> |         | 3/4                                                                               | 1050   | 150-750  | 5700                                                                                |
| <b>74879</b> |       | <b>74884</b> |         | 1                                                                                 | 1250   | 200-1000 | 10000                                                                               |



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

1/4"

STANDARD

MM

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



**Cu-Be** 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 Алюминий Бронза

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1/4"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                              |        |    |                                                                                     |
| 71924 |       | 71945 |         | 5/16                                                                              | 28     |    | 15                                                                                  |
| 71925 |       | 71946 |         | 11/32                                                                             |        |    |                                                                                     |
| 71926 |       | 71947 |         | 3/8                                                                               |        |    |                                                                                     |
| 71927 |       | 71948 |         | 7/16                                                                              |        |    |                                                                                     |
| 71928 |       | 71949 |         | 1/2                                                                               |        |    |                                                                                     |
| 71929 |       | 71950 |         | 9/16                                                                              |        |    |                                                                                     |



MM

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



INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |    |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|----|
| 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                                                                                |        |    |                                                                                       |    |
| 74421 |       | 74442 |         | 5/16                                                                                | 28     |    | 15                                                                                    |    |
| 74422 |       | 74443 |         | 11/32                                                                               |        |    |                                                                                       |    |
| 74423 |       | 74444 |         | 3/8                                                                                 |        |    |                                                                                       |    |
| 74424 |       | 74445 |         | 7/16                                                                                |        |    |                                                                                       | 20 |
| 74425 |       | 74446 |         | 1/2                                                                                 |        |    |                                                                                       |    |
| 74426 |       | 74447 |         | 9/16                                                                                |        |    | 25                                                                                    |    |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1/4"

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

■ MM

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



■ INCH

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



■ MM

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Pt | g  |
|-------|-------|-------|---------|-------|--------|----|----|
| 78799 |       | 78800 |         | 4     |        |    |    |
| 78801 |       | 78802 |         | 4,5   |        |    |    |
| 78803 |       | 78804 |         | 5     |        |    |    |
| 78805 |       | 78806 |         | 5,5   |        |    | 38 |
| 78807 |       | 78808 |         | 6     |        |    |    |
| 78809 |       | 78810 |         | 7     |        |    |    |
| 78811 |       | 78812 |         | 8     |        |    | 40 |
| 78813 | Cu-Be | 78814 | Al-Bron | 9     | 50     | 12 | 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 |



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



36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1/4"

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Pt | g  |
|-------|-------|-------|---------|-------|--------|----|----|
| 78829 | Cu-Be | 78830 | Al-Bron | 17    | 50     | 12 | 80 |
| 78831 |       | 78832 |         | 18    |        |    | 85 |
| 78833 |       | 78834 |         | 19    |        |    | 95 |



INCH

| 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    |        |    | 40 |
| 78845 |       | 78846 |         | 5/16    |        |    |    |
| 78847 |       | 78848 |         | 11/32   |        |    |    |
| 78849 |       | 78850 |         | 3/8     |        |    |    |
| 78851 |       | 78852 |         | 7/16    |        |    |    |
| 78853 |       | 78854 |         | 1/2     |        |    |    |
| 78855 |       | 78856 |         | 9/16    |        |    | 55 |



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 / EXTENÇÃO / 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 MALE-FEMELLE / RATSCHKE 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 / POIGNEE 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 |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1/4"

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

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



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

| COD.  | MAT.  | COD.  | MAT.    |   |  |
|-------|-------|-------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 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. |  |  | L (mm) |  |
|-------|------|-------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|
| 73692 |      | 73693 |      |                                                                                   | 3                                                                                 |        |                                                                                     |
| 73694 |      | 73695 |      |                                                                                   | 4                                                                                 |        | 20                                                                                  |
| 73696 |      | 73697 |      |                                                                                   | 5                                                                                 | 55     |                                                                                     |
| 73698 |      | 73699 |      |                                                                                   | 6                                                                                 |        | 25                                                                                  |
| 73700 |      | 73701 |      |                                                                                   | 7                                                                                 |        | 30                                                                                  |
| 73702 |      | 73703 |      |                                                                                   | 8                                                                                 |        | 40                                                                                  |
| 73704 |      | 73705 |      |                                                                                   | 9                                                                                 | 65     | 55                                                                                  |
| 73706 |      | 73707 |      |                                                                                   | 10                                                                                |        | 60                                                                                  |



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

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



3/8"

■ STANDARD

■ MM

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



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

3/8"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-----------------------------------------------------------------------------------|
| 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     |                                                                                   |        |    |                                                                                   |



MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                                 | 32     |    | 35                                                                                  |
| 75658 |       | 75659 |         | 10                                                                                |        |    |                                                                                     |
| 75660 |       | 75661 |         | 11                                                                                |        |    |                                                                                     |
| 75662 |       | 75663 |         | 12                                                                                |        |    |                                                                                     |
| 75664 |       | 75665 |         | 13                                                                                |        |    | 40                                                                                  |
| 75666 |       | 75667 |         | 14                                                                                |        |    |                                                                                     |
| 75668 |       | 75669 |         | 15                                                                                |        |    |                                                                                     |
| 75670 |       | 75671 |         | 16                                                                                |        |    | 45                                                                                  |
| 75672 |       | 75673 |         | 17                                                                                | 55     |    |                                                                                     |
| 75674 | 75675 | 19    | 60      |                                                                                   |        |    |                                                                                     |
| 75676 | 75677 | 20    |         |                                                                                   |        |    |                                                                                     |



INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                                 | 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    |    |                                                                                     |
|       |       |       |         | 35                                                                                  |        |    |                                                                                     |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

3/8"

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

■ MM

| 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    |        |    |     |
| 78879 |       | 78880 |         | 16    |        |    |     |
| 78881 |       | 78882 |         | 17    |        |    |     |
| 78883 |       | 78884 |         | 19    |        |    |     |
| 78885 |       | 78886 |         | 20    |        |    |     |



■ INCH

| 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 |



■ MM

| 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     |        |    | 90  |
| 78921 |       | 78922 |         | 10    |        |    |     |
| 78923 |       | 78924 |         | 11    |        |    | 95  |
| 78925 |       | 78926 |         | 12    |        |    | 100 |
| 78927 |       | 78928 |         | 13    |        |    | 105 |
| 78929 |       | 78930 |         | 14    |        |    |     |
| 78931 |       | 78932 |         | 15    |        |    |     |
| 78933 |       | 78934 |         | 16    |        |    | 110 |
| 78935 |       | 78936 |         | 17    |        |    | 115 |
| 78937 |       | 78938 |         | 19    |        |    | 120 |
| 78939 |       | 78940 |         | 20    |        |    | 130 |



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

3/8"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                                 |



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

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



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

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



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

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



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

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



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

3/8"

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

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



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

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



1/2"

STANDARD

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 70319 |       | 71158 |         | 6                                                                                 |        |    |                                                                                     |
| 70320 |       | 71159 |         | 7                                                                                 |        |    | 60                                                                                  |
| 70321 |       | 71160 |         | 8                                                                                 |        |    |                                                                                     |
| 70322 |       | 71161 |         | 9                                                                                 |        |    |                                                                                     |
| 70323 |       | 71162 |         | 10                                                                                |        |    | 70                                                                                  |
| 70324 |       | 71163 |         | 11                                                                                |        |    |                                                                                     |
| 70325 |       | 71164 |         | 12                                                                                | 40     |    |                                                                                     |
| 70326 |       | 71165 |         | 13                                                                                |        |    | 80                                                                                  |
| 70327 |       | 71166 |         | 14                                                                                |        |    |                                                                                     |
| 70328 |       | 71167 |         | 15                                                                                |        |    |                                                                                     |
| 70329 |       | 71168 |         | 16                                                                                |        |    | 90                                                                                  |
| 70330 |       | 71169 |         | 17                                                                                |        |    |                                                                                     |
| 70331 |       | 71170 |         | 18                                                                                |        |    |                                                                                     |
| 70332 | Cu-Be | 71171 | Al-Bron | 19                                                                                | 42     | 6  | 100                                                                                 |
| 70333 |       | 71172 |         | 20                                                                                |        |    |                                                                                     |
| 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                                                                                |        |    | 350                                                                                 |
| 74325 |       | 74326 |         | 36                                                                                | 50     |    | 400                                                                                 |



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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1/2"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 71190 | Cu-Be | 71208 | Al-Bron | 19/32                                                                             | 40     | 6  | 80                                                                                  |
| 71191 |       | 71209 |         | 5/8                                                                               |        |    |                                                                                     |
| 71192 |       | 71210 |         | 11/16                                                                             |        |    |                                                                                     |
| 35842 |       | 35843 |         | 23/32                                                                             | 42     |    | 90                                                                                  |
| 71193 |       | 71211 |         | 3/4                                                                               |        |    |                                                                                     |
| 71194 |       | 71212 |         | 25/32                                                                             |        |    |                                                                                     |
| 71195 |       | 71213 |         | 13/16                                                                             | 43     |    | 100                                                                                 |
| 71196 |       | 71214 |         | 7/8                                                                               |        |    | 120                                                                                 |
| 35844 |       | 35845 |         | 29/32                                                                             |        |    | 140                                                                                 |
| 71197 |       | 71215 |         | 15/16                                                                             | 46     |    |                                                                                     |
| 71198 |       | 71216 |         | 1                                                                                 |        |    | 150                                                                                 |
| 71199 |       | 71217 |         | 1.1/16                                                                            |        |    |                                                                                     |
| 71200 |       | 71218 |         | 1.1/8                                                                             | 47     |    | 200                                                                                 |
| 77788 |       | 77789 |         | 1.3/16                                                                            |        |    |                                                                                     |
| 71201 |       | 71219 |         | 1.1/4                                                                             |        |    | 250                                                                                 |
| 74882 |       | 74883 |         | 1.7/16                                                                            |        |    | 300                                                                                 |



MM

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



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1/2"

INCH

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



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

MM

| COD.  | MAT.  | COD.  | MAT.    | AF <sup>mm</sup> | L (mm) | Pt | 9   |
|-------|-------|-------|---------|------------------|--------|----|-----|
| 35000 | Cu-Be | 35001 | Al-Bron | 6                | 82     | 6  | 190 |
| 35002 |       | 35003 |         | 7                |        |    |     |
| 35004 |       | 35005 |         | 8                |        |    |     |
| 35006 |       | 35007 |         | 9                |        |    |     |
| 35008 |       | 35009 |         | 10               |        |    |     |
| 35010 |       | 35011 |         | 11               |        |    |     |
| 35012 |       | 35013 |         | 12               |        |    |     |
| 74284 |       | 74285 |         | 13               |        |    |     |
| 35014 |       | 35015 |         | 14               |        |    |     |
| 35016 |       | 35017 |         | 15               |        |    |     |
| 74294 |       | 74295 |         | 16               | 82     | 6  | 195 |
| 74286 |       | 74287 |         | 17               |        |    |     |
| 35018 |       | 35019 |         | 18               |        |    |     |
| 74288 |       | 74289 |         | 19               |        |    |     |
| 35020 |       | 35021 |         | 20               |        |    |     |
| 35022 |       | 35023 |         | 21               |        |    |     |
| 35024 |       | 35025 |         | 22               |        |    |     |
| 35026 |       | 35027 |         | 23               |        |    |     |
| 74290 |       | 74291 |         | 24               |        |    |     |
| 35028 |       | 35029 |         | 25               |        |    |     |
| 35030 |       | 35031 |         | 26               |        |    |     |
| 74292 |       | 74293 |         | 27               |        |    |     |
| 35032 |       | 35033 |         | 28               |        |    |     |
| 35034 |       | 35035 |         | 29               |        |    |     |
| 35036 |       | 35037 |         | 30               |        |    |     |
| 35038 |       | 35039 |         | 32               |        |    |     |
| 35040 |       | 35041 |         | 34               |        |    |     |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1/2"

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Pt | g   |
|-------|-------|-------|---------|-------|--------|----|-----|
| 35042 | Cu-Be | 35043 | Al-Bron | 36    | 82     | 6  | 650 |



INCH

| COD.  | MAT.  | COD.  | MAT.    | AF inch | L (mm) | Pt | g   |
|-------|-------|-------|---------|---------|--------|----|-----|
| 35044 | Cu-Be | 35045 | Al-Bron | 1/4     | 82     | 6  | 190 |
| 35046 |       | 35047 |         | 5/16    |        |    |     |
| 35048 |       | 35049 |         | 3/8     |        |    |     |
| 35050 |       | 35051 |         | 7/16    |        |    |     |
| 35052 |       | 35053 |         | 1/2     |        |    |     |
| 35054 |       | 35055 |         | 9/16    |        |    |     |
| 35056 |       | 35057 |         | 19/32   |        |    |     |
| 35058 |       | 35059 |         | 5/8     |        |    |     |
| 35060 |       | 35061 |         | 11/16   |        |    |     |
| 35062 |       | 35063 |         | 3/4     |        |    | 200 |
| 35064 |       | 35065 |         | 25/32   |        |    | 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 |



MM

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Pt | g   |
|-------|-------|-------|---------|-------|--------|----|-----|
| 35084 | Cu-Be | 35085 | Al-Bron | 6     | 82     | 12 | 190 |
| 35086 |       | 35087 |         | 7     |        |    |     |
| 35088 |       | 35089 |         | 8     |        |    |     |
| 35090 |       | 35091 |         | 9     |        |    |     |
| 35092 |       | 35093 |         | 10    |        |    |     |
| 35094 |       | 35095 |         | 11    |        |    |     |
| 35096 |       | 35097 |         | 12    |        |    |     |
| 35098 |       | 35099 |         | 13    |        |    |     |
| 35100 |       | 35101 |         | 14    |        |    |     |
| 35102 |       | 35103 |         | 15    |        |    |     |
| 35104 |       | 35105 |         | 16    |        |    |     |
| 35106 |       | 35107 |         | 17    |        |    | 195 |
| 35108 |       | 35109 |         | 18    |        |    | 200 |
| 35110 |       | 35111 |         | 19    |        |    | 230 |
| 35112 |       | 35113 |         | 20    |        |    | 240 |
| 35114 |       | 35115 |         | 21    |        |    | 260 |
| 35116 |       | 35117 |         | 22    |        |    | 280 |
| 35118 |       | 35119 |         | 23    |        |    | 300 |
| 35120 |       | 35121 |         | 24    |        |    | 320 |
| 35122 |       | 35123 |         | 25    |        |    | 340 |
| 35124 |       | 35125 |         | 26    |        |    | 360 |
| 35126 |       | 35127 |         | 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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1/2"

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Pt | g   |
|-------|-------|-------|---------|-------|--------|----|-----|
| 35128 | Cu-Be | 35129 | Al-Bron | 28    | 82     | 12 | 390 |
| 35130 |       | 35131 |         | 29    |        |    | 410 |
| 35132 |       | 35133 |         | 30    |        |    | 430 |
| 35134 |       | 35135 |         | 32    |        |    | 500 |
| 35136 |       | 35137 |         | 34    |        |    | 550 |
| 35138 |       | 35139 |         | 36    |        |    | 650 |



INCH

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



**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 / RATSCHÉ 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 / POIGNEE 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 Алюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1/2"

## MANGO ARTICULADO / SWIVEL HANDLE / MANCHE ARTICULÉ / GELENKGRIF / MANICO ARTICOLATO / CABO ARTICULADO / ГИБКАЯ РУКОЯТКА

| COD.  | MAT.  | COD.  | MAT.    | AF $\frac{1}{2}$ 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 HANDGRIF / DOPPIO MANICO / CABO DESALINHADO / ИЗОГНУТАЯ РУКОЯТКА

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



## BERBIQUÍ / SPEEDER HANDLE / VILLEBREQUIN / WINDE / LEVA GIROBECCHINO / MANIVELA / КОЛЕНЧАТАЯ РУЧКА

| COD.  | MAT.  | COD.  | MAT.    | AF $\frac{1}{2}$ inch | L (mm) | g   |
|-------|-------|-------|---------|-----------------------|--------|-----|
| 72416 | Cu-Be | 72417 | Al-Bron | 1/2                   | 390    | 750 |



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

| COD.  | MAT.  | COD.  | MAT.    | AF $\frac{1}{2}$ inch | L (inch) | g   |
|-------|-------|-------|---------|-----------------------|----------|-----|
| 70383 | Cu-Be | 71279 | Al-Bron | 1/2                   | 4        | 200 |
| 70384 |       | 71280 |         |                       | 8        | 400 |
| 70385 |       | 71281 |         |                       | 10       | 500 |



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

| COD.  | MAT.  | COD.  | MAT.    | AF $\frac{1}{2}$ 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 $\frac{1}{2}$ inch / AF $\frac{3}{8}$ inch | g   |
|-------|-------|-------|---------|-----------------------------------------------|-----|
| 75720 | Cu-Be | 75721 | Al-Bron | 1/2-3/8                                       | 70  |
| 70369 |       | 71266 |         | 1/2-3/4                                       | 200 |



3/4"

## STANDARD

## MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|--------------------------------------------------------------------------------------|
| 74649 | Cu-Be | 74653 | Al-Bron | 17                                                                                  | 50     | 6  | 200                                                                                  |
| 75724 |       | 75725 |         | 18                                                                                  |        |    |                                                                                      |
| 74650 |       | 74654 |         | 19                                                                                  |        |    |                                                                                      |
| 74651 |       | 74655 |         | 21                                                                                  | 55     |    | 250                                                                                  |
| 74652 |       | 74656 |         | 22                                                                                  |        |    |                                                                                      |
| 70345 |       | 71220 |         | 24                                                                                  |        |    |                                                                                      |
| 71908 |       |       |         | 72953                                                                               |        |    | 26                                                                                   |



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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

3/4"

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 70346 | Cu-Be | 71221 | Al-Bron | 27                                                                                | 55     | 6  | 280                                                                                 |
| 75726 |       | 75727 |         | 28                                                                                |        |    | 310                                                                                 |
| 75728 |       | 75729 |         | 29                                                                                |        |    | 320                                                                                 |
| 70347 |       | 71222 |         | 30                                                                                |        |    | 370                                                                                 |
| 75730 |       | 75731 |         | 31                                                                                |        |    | 380                                                                                 |
| 70348 |       | 71223 |         | 32                                                                                | 60     |    | 410                                                                                 |
| 77792 |       | 77793 |         | 33                                                                                |        |    | 440                                                                                 |
| 74863 |       | 74864 |         | 34                                                                                |        |    | 460                                                                                 |
| 77794 |       | 77795 |         | 35                                                                                |        |    | 470                                                                                 |
| 70349 |       | 71224 |         | 36                                                                                |        |    | 500                                                                                 |
| 77796 |       | 77797 |         | 37                                                                                |        |    | 650                                                                                 |
| 74865 |       | 74866 |         | 38                                                                                | 65     |    | 700                                                                                 |
| 70350 |       | 71225 |         | 41                                                                                |        |    | 750                                                                                 |
| 77798 |       | 77799 |         | 42                                                                                |        |    | 850                                                                                 |
| 70351 |       | 71226 |         | 46                                                                                |        |    | 900                                                                                 |
| 77800 |       | 77801 |         | 47                                                                                |        |    | 950                                                                                 |
| 70352 |       | 71227 |         | 50                                                                                | 70     |    | 1100                                                                                |
| 77802 |       | 77803 |         | 52                                                                                |        |    |                                                                                     |
| 77804 |       | 77805 |         | 55                                                                                |        |    |                                                                                     |
| 77806 |       | 77807 |         | 60                                                                                |        |    |                                                                                     |



INCH

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



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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

3/4"

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 75734 | Cu-Be | 75735 | Al-Bron | 17                                                                                | 50     | 12 | 200                                                                                 |
| 75736 |       | 75737 |         | 18                                                                                |        |    |                                                                                     |
| 75738 |       | 75739 |         | 19                                                                                |        |    |                                                                                     |
| 75740 |       | 75741 |         | 21                                                                                |        |    |                                                                                     |
| 75742 |       | 75743 |         | 22                                                                                | 55     |    | 250                                                                                 |
| 74538 |       | 74547 |         | 24                                                                                |        |    |                                                                                     |
| 74539 |       | 74548 |         | 26                                                                                |        |    | 280                                                                                 |
| 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                                                                                |        |    |                                                                                     |
| 77812 |       | 77813 |         | 35                                                                                |        |    | 440                                                                                 |
| 74543 |       | 74552 |         | 36                                                                                |        |    | 460                                                                                 |
| 77814 |       | 77815 |         | 37                                                                                |        |    | 470                                                                                 |
| 75752 |       | 75753 |         | 38                                                                                | 65     |    | 500                                                                                 |
| 74544 |       | 74553 |         | 41                                                                                |        |    | 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                                                                                |



INCH

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



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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

3/4"

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

■ MM

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Pt | g    |
|-------|-------|-------|---------|-------|--------|----|------|
| 35180 |       | 35181 |         | 17    |        |    |      |
| 35182 |       | 35183 |         | 18    |        |    |      |
| 35184 |       | 35185 |         | 19    |        |    | 500  |
| 35186 |       | 35187 |         | 21    |        |    |      |
| 35188 |       | 35189 |         | 22    |        |    |      |
| 35190 |       | 35191 |         | 24    |        |    | 550  |
| 35192 |       | 35193 |         | 26    |        |    |      |
| 35194 |       | 35195 |         | 27    |        |    |      |
| 35196 |       | 35197 |         | 28    |        |    | 600  |
| 35198 |       | 35199 |         | 29    |        |    |      |
| 35200 |       | 35201 |         | 30    | 90     |    |      |
| 35202 |       | 35203 |         | 31    |        |    |      |
| 35204 |       | 70484 |         | 32    |        |    |      |
| 35206 | Cu-Be | 35207 | Al-Bron | 33    |        | 6  | 650  |
| 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    |        |    | 1150 |
| 35222 |       | 35223 |         | 47    |        |    | 1200 |
| 35224 |       | 35225 |         | 50    | 100    |    |      |
| 35226 |       | 35227 |         | 52    |        |    | 1250 |
| 35228 |       | 35229 |         | 55    |        |    | 1300 |
| 35230 |       | 35231 |         | 60    |        |    | 1400 |



■ INCH

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



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

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ANTICHISPA  
NON-SPARKING  
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FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

3/4"

MM

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Pt | g    |
|-------|-------|-------|---------|-------|--------|----|------|
| 35274 |       | 35275 |         | 17    |        |    |      |
| 35276 |       | 35277 |         | 18    |        |    |      |
| 35278 |       | 35279 |         | 19    |        |    | 500  |
| 35280 |       | 35281 |         | 21    |        |    |      |
| 35282 |       | 35283 |         | 22    |        |    |      |
| 35284 |       | 35285 |         | 24    |        |    | 550  |
| 35286 |       | 35287 |         | 26    |        |    |      |
| 35288 |       | 35289 |         | 27    |        |    |      |
| 35290 |       | 35291 |         | 28    |        |    | 600  |
| 35292 |       | 35293 |         | 29    |        |    |      |
| 35294 |       | 35295 |         | 30    | 90     |    |      |
| 35296 |       | 35297 |         | 31    |        |    |      |
| 35298 |       | 35299 |         | 32    |        |    |      |
| 35300 | Cu-Be | 35301 | Al-Bron | 33    |        | 12 | 650  |
| 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    |        |    | 1150 |
| 35318 |       | 35319 |         | 47    |        |    | 1200 |
| 35320 |       | 35321 |         | 50    | 100    |    | 1250 |
| 35322 |       | 35323 |         | 52    |        |    |      |
| 35324 |       | 35325 |         | 55    |        |    | 1300 |
| 35326 |       | 35327 |         | 60    |        |    | 1400 |



INCH

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



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

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ANTICHISPA  
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ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

3/4"

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

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 70326 | Cu-Be | 70327 | Al-Bron | 3/4                                                                               | 300    | 1000                                                                               |

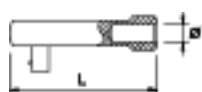


LLAVE DE CARRACA REVERSIBLE / REVERSIBLE RATCHET HANDLE / CLÉ À CLIQUET RÉVERSIBLE / UMSCHALTKNARRE / CHIAVE A CRICCO REVERSIBILE / ROQUETE REVERSIVEL / РЕВЕРСИВНАЯ ТРЕЩЕТКА

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



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



| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 70312 | Cu-Be | 70313 | Al-Bron | 3/4                                                                               | 160    | 21                                                                                | 1500                                                                                |



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

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 70380 | Cu-Be | 71276 | Al-Bron | 3/4                                                                                 | 250    | 900                                                                                  |
| 70381 | Cu-Be | 71277 | Al-Bron | 3/4                                                                                 | 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.    |  | L (mm) | H (mm) |  |
|--------|-------|--------|---------|-------------------------------------------------------------------------------------|--------|--------|---------------------------------------------------------------------------------------|
| 703717 | Cu-Be | 703718 | Al-Bron | 3/4                                                                                 | 350    | 190    | 1500                                                                                  |



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

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



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

| COD.  | MAT.  | COD.  | MAT.    |  | L (inch) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|
| 70386 | Cu-Be | 71282 | Al-Bron | 3/4                                                                                 | 4        | 200                                                                                  |
| 70387 | Cu-Be | 71283 | Al-Bron | 3/4                                                                                 | 8        | 400                                                                                  |
| 70388 | Cu-Be | 71284 | Al-Bron | 3/4                                                                                 | 10       | 500                                                                                  |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

3/4"

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

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 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.    |  | L (mm) |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 72396 | Cu-Be | 72397 | Al-Bron | 3/4                                                                               | 120    | 21                                                                                | 800                                                                                 |



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

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



1"

STANDARD

MM

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



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 75798 | Cu-Be | 75799 | Al-Bron | 1.1/16                                                                            | 55     | 6  | 360                                                                                 |
| 75800 |       | 75801 |         | 1.1/8                                                                             |        |    |                                                                                     |
| 75802 |       | 75803 |         | 1.3/16                                                                            |        |    | 400                                                                                 |
| 75804 |       | 75805 |         | 1.1/4                                                                             |        |    | 430                                                                                 |
| 75806 |       | 75807 |         | 1.5/16                                                                            | 60     |    | 440                                                                                 |
| 75808 |       | 75809 |         | 1.3/8                                                                             |        |    |                                                                                     |
| 75810 |       | 75811 |         | 1.7/16                                                                            |        |    | 460                                                                                 |
| 75812 |       | 75813 |         | 1.1/2                                                                             |        |    | 500                                                                                 |
| 75814 |       | 75815 |         | 1.5/8                                                                             |        |    | 550                                                                                 |
| 77828 |       | 77829 |         | 1.13/16                                                                           | 65     |    | 700                                                                                 |
| 75816 |       | 75817 |         | 1.7/8                                                                             |        |    |                                                                                     |
| 75818 |       | 75819 |         | 2                                                                                 | 70     |    | 800                                                                                 |
| 77830 |       | 77831 |         | 2.1/8                                                                             |        |    | 850                                                                                 |
| 75820 |       | 75821 |         | 2.1/4                                                                             |        |    | 1000                                                                                |
| 77832 |       | 77833 |         | 2.3/8                                                                             | 75     |    | 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                                                                                |



MM

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



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 75854 | Cu-Be | 75855 | Al-Bron | 1.1/16                                                                            | 55     | 12 | 360                                                                                 |
| 75856 |       | 75857 |         | 1.1/8                                                                             |        |    |                                                                                     |
| 75858 |       | 75859 |         | 1.3/16                                                                            |        |    | 400                                                                                 |
| 75860 |       | 75861 |         | 1.1/4                                                                             |        |    | 430                                                                                 |
| 75862 |       | 75863 |         | 1.5/16                                                                            | 60     |    | 440                                                                                 |
| 75864 |       | 75865 |         | 1.3/8                                                                             |        |    |                                                                                     |
| 75866 |       | 75867 |         | 1.7/16                                                                            |        |    | 460                                                                                 |
| 75868 |       | 75869 |         | 1.1/2                                                                             |        |    | 500                                                                                 |
| 75870 |       | 75871 |         | 1.5/8                                                                             | 65     |    | 550                                                                                 |
| 77840 |       | 77841 |         | 1.13/16                                                                           |        |    | 700                                                                                 |
| 75872 |       | 75873 |         | 1.7/8                                                                             |        |    |                                                                                     |
| 75874 |       | 75875 |         | 2                                                                                 | 70     |    | 800                                                                                 |
| 77842 |       | 77843 |         | 2.1/8                                                                             |        |    | 850                                                                                 |
| 75876 |       | 75877 |         | 2.1/4                                                                             |        |    | 1000                                                                                |
| 77844 |       | 77845 |         | 2.3/8                                                                             | 75     |    | 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                                                                                 |        |    | 2300                                                                                |
| 77850 |       | 77851 |         | 3.1/8                                                                             |        |    |                                                                                     |



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

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 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                                                                                  | 115    |    | 850                                                                                   |
| 35392 |       | 35393 |         | 36                                                                                  |        |    | 900                                                                                   |
| 35394 |       | 35395 |         | 38                                                                                  |        |    | 950                                                                                   |
| 35396 |       | 35397 |         | 41                                                                                  |        |    | 1000                                                                                  |
| 35398 |       | 35399 |         | 42                                                                                  |        |    | 1050                                                                                  |
| 35400 |       | 35401 |         | 46                                                                                  |        |    | 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                                                                                  |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1"

INCH

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



MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 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                                                                                  | 1250   |    |                                                                                       |
| 35500 |       | 35501 |         | 50                                                                                  | 1450   |    |                                                                                       |
| 35502 |       | 35503 |         | 55                                                                                  | 1750   |    |                                                                                       |
| 35504 |       | 35505 |         | 60                                                                                  | 2100   |    |                                                                                       |
| 35506 |       | 35507 |         | 65                                                                                  | 2600   |    |                                                                                       |
| 35508 |       | 35509 |         | 70                                                                                  | 3050   |    |                                                                                       |
| 35510 |       | 35511 |         | 75                                                                                  | 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 bronze / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|--|--|
| 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                                                                             |        |    |                                                                                     |  |  |
| 35532 |       | 35533 |         | 1.5/16                                                                            |        |    | 850                                                                                 |  |  |
| 35534 |       | 35535 |         | 1.3/8                                                                             | 125    |    |                                                                                     |  |  |
| 35536 |       | 35537 |         | 1.7/16                                                                            |        |    |                                                                                     |  |  |
| 35538 |       | 35539 |         | 1.1/2                                                                             |        |    |                                                                                     |  |  |
| 35540 |       | 35541 |         | 1.5/8                                                                             |        |    |                                                                                     |  |  |
| 35542 |       | 35543 |         | 1.13/16                                                                           | 135    |    | 900                                                                                 |  |  |
| 35544 |       | 35545 |         | 1.7/8                                                                             |        |    |                                                                                     |  |  |
| 35546 |       | 35547 |         | 2                                                                                 |        |    |                                                                                     |  |  |
| 35548 |       | 35549 |         | 2.1/8                                                                             |        |    |                                                                                     |  |  |
| 35550 |       | 35551 |         | 2.1/4                                                                             | 140    |    | 950                                                                                 |  |  |
| 35552 |       | 35553 |         | 2.3/8                                                                             |        |    |                                                                                     |  |  |
| 35554 |       | 35555 |         | 2.1/2                                                                             |        |    |                                                                                     |  |  |
| 35556 |       | 35557 |         | 2.9/16                                                                            |        |    |                                                                                     |  |  |
| 35558 |       | 35559 |         | 2.3/4                                                                             |        |    |                                                                                     |  |  |
| 35560 |       | 35561 |         | 2.15/16                                                                           | 140    |    | 1000                                                                                |  |  |
| 35562 |       | 35563 |         | 3                                                                                 |        |    |                                                                                     |  |  |
| 35564 |       | 35565 |         | 3.1/8                                                                             |        |    |                                                                                     |  |  |
|       |       |       |         |                                                                                   |        |    |                                                                                     |  |  |

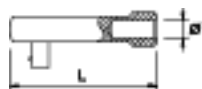


LLAVE DE CARRACA REVERSIBLE / REVERSIBLE RATCHET HANDLE / CLÉ À CLIQUET RÉVERSIBLE / UMSCHALTKNARRE / CHIAVE A CRICCO REVERSIBILE / ROQUETE REVERSIVEL / РЕВЕРСИВНАЯ ТРЕЩЕТКА

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



CABEZA DE CARRACA / RATCHET HEAD / TÊTE DE CLIQUET / RATSCH KOPF / TESTA A CRICCO / CABAÇA DE ROQUETE / ГОЛОВКА ТРЕЩЕТКИ



| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 73714 | Cu-Be | 73715 | Al-Bron | 1                                                                                   | 180    | 23                                                                                  | 3000                                                                                  |



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

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1"

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

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



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



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

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



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

| COD.  | MAT.  | COD.  | MAT.    |  |  |
|-------|-------|-------|---------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 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.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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.    |  | L (mm) |  |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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.    |  | L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 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 bronze / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Алюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ SET

■ 1/2"

| COD.  | MAT.  | AF inch | PCS. | Kg  | COD. PCS.                                              | AF mm                   | AF inch                              |
|-------|-------|---------|------|-----|--------------------------------------------------------|-------------------------|--------------------------------------|
| 74263 | Cu-Be | 1/2     | 9    | 1,4 | 74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466 | 10-11-12-14-17-19-22-24 | -                                    |
| 35810 |       |         |      |     | 74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515 | -                       | 3/8-7/16-1/2-5/8-11/16-3/4 7/8-15/16 |

| COD.  | MAT.    | AF inch | PCS. | Kg  | COD. PCS.                                              | AF mm                   | AF inch                              |
|-------|---------|---------|------|-----|--------------------------------------------------------|-------------------------|--------------------------------------|
| 74264 | Al-Bron | 1/2     | 9    | 1,4 | 74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493 | 10-11-12-14-17-19-22-24 | -                                    |
| 35819 |         |         |      |     | 74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533 | -                       | 3/8-7/16-1/2-5/8-11/16-3/4 7/8-15/16 |

## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Mango acodado / Offset handle / Manche contre coudé 230 mm, 400 g (72410)

| COD.  | MAT.  | AF inch | PCS. | Kg  | COD. PCS.                                                            | AF mm                        | AF inch                                          |
|-------|-------|---------|------|-----|----------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| 74265 | Cu-Be | 1/2     | 12   | 2,3 | 74450, 74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469 | 8-10-11-12-14-17-19-22-24-27 | -                                                |
| 35811 |       |         |      |     | 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 |

| COD.  | MAT.    | AF inch | PCS. | Kg  | COD. PCS.                                                            | AF mm                        | AF inch                                          |
|-------|---------|---------|------|-----|----------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| 74266 | Al-Bron | 1/2     | 12   | 2,3 | 74477, 74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496 | 8-10-11-12-14-17-19-22-24-27 | -                                                |
| 35820 |         |         |      |     | 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 |

## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Carraca / Ratchet / Cliquet 250 mm, 600 g (70375)

Mango articulado / Hinged handle / Manche articulé 230 mm, 330 g (72400)

| COD.  | MAT.  | AF inch | PCS. | Kg  | COD. PCS.                                                                   | AF mm                            | AF inch                                                  |
|-------|-------|---------|------|-----|-----------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------|
| 74267 | Cu-Be | 1/2     | 16   | 4,5 | 74452, 74453, 74454, 74456, 74459, 74461, 74464, 74466, 74469, 74472, 74473 | 10-11-12-14-17-19-22-24-27-30-32 | -                                                        |
| 35812 |       |         |      |     | 74504, 74505, 74506, 74509, 74510, 74511, 74514, 74515, 74517, 77790, 74519 | -                                | 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 |

| COD.  | MAT.    | AF inch | PCS. | Kg  | COD. PCS.                                                                   | AF mm                            | AF inch                                                  |
|-------|---------|---------|------|-----|-----------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------|
| 74268 | Al-Bron | 1/2     | 16   | 4,5 | 74479, 74480, 74481, 74483, 74486, 74488, 74491, 74493, 74496, 74499, 74500 | 10-11-12-14-17-19-22-24-27-30-32 | -                                                        |
| 35821 |         |         |      |     | 74522, 74523, 74524, 74527, 74528, 74529, 74532, 74533, 74535, 77791, 74537 | -                                | 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 |

## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Carraca / Ratchet / Cliquet 250 mm (70375)

Mango corredizo en T / Sliding T handle / Poignée coulissante 250 mm (70378)

Berbiquí / Speeder handle / Vilebrequin 390 mm (72416)

Alargadera / Extension / Rallonge 125-250 mm (70385)



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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1/2"

| COD.         | MAT.  | AF $\frac{1}{2}$ inch | PCS. | Kg  | COD. PCS.                                                                                                                    | AF mm                                                 | AF $\frac{1}{2}$ inch                                                                      |
|--------------|-------|-----------------------|------|-----|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>74269</b> | Cu-Be | 1/2                   | 24   | 5,5 | 74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74469, 74472, 74473 | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32 | -                                                                                          |
| <b>35813</b> |       |                       |      |     | 74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 74515, 74516, 74517, 77790, 74519 | -                                                     | 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 |

| COD.         | MAT.    | AF $\frac{1}{2}$ inch | PCS. | Kg  | COD. PCS.                                                                                                                    | AF mm                                                 | AF $\frac{1}{2}$ inch                                                                      |
|--------------|---------|-----------------------|------|-----|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>74270</b> | Al-Bron | 1/2                   | 24   | 5,5 | 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74496, 74499, 74500 | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32 | -                                                                                          |
| <b>35822</b> |         |                       |      |     | 74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 74533, 74534, 74535, 77791, 74537 | -                                                     | 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 |

## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

|                                                               |                    |
|---------------------------------------------------------------|--------------------|
| Carraca / Ratchet / Cliquet                                   | 250 mm (70375)     |
| Mango corredizo en T / Sliding T handle / Poignée coulissante | 250 mm (70378)     |
| Berbiquí / Speeder handle / Vilebrequin                       | 390 mm (72416)     |
| Alargadera / Extension / Rallonge                             | 125-250 mm (70385) |
| Articulación universal / Universal joint / Cardan universel   | 75 mm              |

| COD.         | MAT.  | AF $\frac{1}{2}$ inch | PCS. | Kg  | COD. PCS.                                                                                                                                  | AF mm                                                       | AF $\frac{1}{2}$ inch                                                                                  |
|--------------|-------|-----------------------|------|-----|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>74271</b> | Cu-Be | 1/2                   | 27   | 6,0 | 74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473 | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 | -                                                                                                      |
| <b>35814</b> |       |                       |      |     | 74502, 74503, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519 | -                                                           | 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 |

| COD.         | MAT.    | AF $\frac{1}{2}$ inch | PCS. | Kg  | COD. PCS.                                                                                                                                  | AF mm                                                       | AF $\frac{1}{2}$ inch                                                                                  |
|--------------|---------|-----------------------|------|-----|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>74272</b> | Al-Bron | 1/2                   | 27   | 6,0 | 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500 | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 | -                                                                                                      |
| <b>35823</b> |         |                       |      |     | 74520, 74521, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537 | -                                                           | 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 |

## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

|                                                                 |                    |
|-----------------------------------------------------------------|--------------------|
| Carraca / Ratchet / Cliquet                                     | 250 mm (70375)     |
| Mango corredizo en T / Sliding T handle / Poignée coulissante   | 250 mm (70378)     |
| Berbiquí / Speeder handle / Vilebrequin                         | 390 mm (72416)     |
| Alargadera / Extension / Rallonge                               | 125-250 mm (70385) |
| Articulación universal / Universal joint / Cardan universel     | 75 mm              |
| Punta plana con vaso / Flat bit socket / Embout fente à douille | 13 x 2 mm (73709)  |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

1/2"

| COD.  | MAT.  | AF inch | PCS. | Kg  | COD. PCS.                                                                                                                                                | AF mm                                                           | AF inch                                                                                                          |
|-------|-------|---------|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 74273 | Cu-Be | 1/2     | 31   | 6,5 | 74450, 74451, 74452, 74453, 74454, 74455, 74456, 74457, 74458, 74459, 74460, 74461, 74462, 74463, 74464, 74465, 74466, 74468, 74469, 74470, 74472, 74473 | 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 | -                                                                                                                |
| 35815 |       |         |      |     | 74503, 35850, 74504, 74505, 74506, 74507, 74508, 74509, 74510, 35852, 74511, 74512, 74513, 74514, 35854, 74515, 74516, 74517, 74518, 77790, 74519        | -                                                               | 5/16-11/32-3/8-7/16-1/4-1/2-9/16-19/32-5/8-11/16-23/32-3/4-25/32-13/16-7/8-29/32-15/16-1.1/16-1.1/8-1.3/16-1.1/4 |

| COD.  | MAT.    | AF inch | PCS. | Kg  | COD. PCS.                                                                                                                                                | AF mm                                                           | AF inch                                                                                                          |
|-------|---------|---------|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 74274 | Al-Bron | 1/2     | 31   | 6,5 | 74477, 74478, 74479, 74480, 74481, 74482, 74483, 74484, 74485, 74486, 74487, 74488, 74489, 74490, 74491, 74492, 74493, 74495, 74496, 74497, 74499, 74500 | 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 | -                                                                                                                |
| 35824 |         |         |      |     | 74521, 35851, 74522, 74523, 74524, 74525, 74526, 74527, 74528, 35853, 74529, 74530, 74531, 74532, 35855, 74533, 74534, 74535, 74536, 77791, 74537        | -                                                               | 5/16-11/32-3/8-7/16-1/4-1/2-9/16-19/32-5/8-11/16-23/32-3/4-25/32-13/16-7/8-29/32-15/16-1.1/16-1.1/8-1.3/16-1.1/4 |



## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

|                                                                 |                       |
|-----------------------------------------------------------------|-----------------------|
| Carraca / Ratchet / Cliquet                                     | 250 mm (70375)        |
| Mango corredizo en T / Sliding T handle / Poignée coulissante   | 250 mm (70378)        |
| Berbiquí / Speeder handle / Vilebrequin                         | 390 mm (72416)        |
| Alargadera / Extension / Rallonge                               | 125-250 mm (70385)    |
| Articulación universal / Universal joint / Cardan universel     | 75 mm                 |
| Mango acodado / Offset handle / Manche contre coudé             | 230 mm, 400 g (72410) |
| Punta plana con vaso / Flat bit socket / Embout fente à douille | 13 x 2 mm (73709)     |
| Vaso para bujías / Spark plug socket / Douille à bougie         | 13/16"                |

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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ 3/4"

| COD.  | MAT.  | AF<br>inch | PCS. | Kg  | COD. PCS.                                                                   | AF<br>mm                         | AF<br>inch                                                         |
|-------|-------|------------|------|-----|-----------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------|
| 74275 | Cu-Be | 3/4        | 14   | 8,5 | 75740, 74538, 74540, 74541, 74542, 75750, 74543, 75752, 74544, 74545, 74546 | 21-24-27-30-32-34-36-38-41-46-50 | -                                                                  |
| 35816 |       |            |      |     | 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 |

| COD.  | MAT.    | AF<br>inch | PCS. | Kg  | COD. PCS.                                                                   | AF<br>mm                         | AF<br>inch                                                         |
|-------|---------|------------|------|-----|-----------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------|
| 74276 | Al-Bron | 3/4        | 14   | 8,5 | 75741, 74547, 74549, 74550, 74551, 75751, 74552, 75753, 74553, 74554, 74555 | 21-24-27-30-32-34-36-38-41-46-50 | -                                                                  |
| 35825 |         |            |      |     | 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 |

## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

|                                                               |                |
|---------------------------------------------------------------|----------------|
| Carraca / Ratchet / Cliquet                                   | 320 mm         |
| Mango corredizo en T / Sliding T handle / Poignée coulissante | 400 mm         |
| Alargadera / Extension / Rallonge                             | 200 mm (70387) |

| COD.  | MAT.  | AF<br>inch | PCS. | Kg  | COD. PCS.                                                                                                             | AF<br>mm                                           | AF<br>inch                                                                                       |
|-------|-------|------------|------|-----|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 74277 | Cu-Be | 3/4        | 20   | 8,5 | 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 | -                                                                                                |
| 35817 |       |            |      |     | 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 |

| COD.  | MAT.    | AF<br>inch | PCS. | Kg  | COD. PCS.                                                                                                             | AF<br>mm                                           | AF<br>inch                                                                                       |
|-------|---------|------------|------|-----|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 74278 | Al-Bron | 3/4        | 20   | 8,5 | 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 | -                                                                                                |
| 35826 |         |            |      |     | 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 |

## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

|                                                               |                |
|---------------------------------------------------------------|----------------|
| Carraca / Ratchet / Cliquet                                   | 320 mm         |
| Mango corredizo en T / Sliding T handle / Poignée coulissante | 400 mm         |
| Alargadera / Extension / Rallonge                             | 200 mm (70387) |



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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1"

| COD.  | MAT.  | AF inch | PCS. | Kg | COD. PCS.                                                                   | AF mm                                        | AF inch                                                                                      |
|-------|-------|---------|------|----|-----------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------|
| 74279 |       |         |      |    | 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 | -                                                                                            |
| 35818 | Cu-Be | 1       | 18   | 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 |

| COD.  | MAT.    | AF inch | PCS. | Kg | COD. PCS.                                                                   | AF mm                                        | AF inch                                                                                      |
|-------|---------|---------|------|----|-----------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------|
| 74280 |         |         |      |    | 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 | -                                                                                            |
| 35827 | Al-Bron | 1       | 18   | 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 |

#### CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

|                                                                          |                |
|--------------------------------------------------------------------------|----------------|
| Mango corredizo en T / <i>Sliding T handle</i> / Poignée coulissante     | 400 mm         |
| Alargadera / <i>Extension</i> / Rallonge                                 | 200 mm (70387) |
| Articulación flexible / <i>Flexible joint</i> / Articulation universelle | 120 mm (72396) |

#### 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

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



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.

Doilles 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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1/2"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                               |        |    |                                                                                     |
| 77902 |       | 77903 |         | 9/16                                                                              |        |    | 145                                                                                 |
| 77904 |       | 77905 |         | 19/32                                                                             | 44     |    |                                                                                     |
| 77906 |       | 77907 |         | 5/8                                                                               |        |    |                                                                                     |
| 77908 |       | 77909 |         | 11/16                                                                             |        |    | 160                                                                                 |
| 77910 |       | 77911 |         | 3/4                                                                               |        |    |                                                                                     |
| 77912 |       | 77913 |         | 25/32                                                                             |        |    | 180                                                                                 |
| 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                                                                                 |



MM

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



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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1/2"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                               |        |    |                                                                                     |
| 77964 |       | 77965 |         | 9/16                                                                              |        |    | 145                                                                                 |
| 77966 |       | 77967 |         | 19/32                                                                             | 44     |    |                                                                                     |
| 77968 |       | 77969 |         | 5/8                                                                               |        |    |                                                                                     |
| 77970 |       | 77971 |         | 11/16                                                                             |        |    | 160                                                                                 |
| 77972 |       | 77973 |         | 3/4                                                                               |        |    |                                                                                     |
| 77974 |       | 77975 |         | 25/32                                                                             |        |    | 180                                                                                 |
| 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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1/2"

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

MM

| COD.  | MAT.  | COD.  | MAT.    | AF mm | L (mm) | Pt | g    |
|-------|-------|-------|---------|-------|--------|----|------|
| 76202 |       | 76203 |         | 8     |        |    |      |
| 76204 |       | 76205 |         | 9     |        |    |      |
| 76206 |       | 76207 |         | 10    |        |    | 170  |
| 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 | Cu-Be | 76227 | Al-Bron | 20    | 82     | 6  | 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    |        |    |      |
| 76772 |       | 76773 |         | 32    |        |    | 500  |
| 76284 |       | 76285 |         | 41    |        |    | 800  |
| 76286 |       | 76287 |         | 46    |        |    | 1000 |



INCH

| COD.  | MAT.  | COD.  | MAT.    | AF inch | L (mm) | Pt | g   |
|-------|-------|-------|---------|---------|--------|----|-----|
| 76352 |       | 76353 |         | 5/16    |        |    |     |
| 76354 |       | 76355 |         | 3/8     |        |    | 170 |
| 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 | Cu-Be | 76369 | Al-Bron | 3/4     | 82     | 6  | 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 |



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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1/2"

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                                |        |    |                                                                                     |
| 78427 |       | 78428 |         | 41                                                                                |        |    | 800                                                                                 |
| 78429 |       | 78430 |         | 46                                                                                |        |    | 1000                                                                                |



INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 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 Алюминий Бронза

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

■ 3/4"

■ STANDARD

■ MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |     |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|------------------------------------------------------------------------------------|-----|
| 77992 | Cu-Be | 77993 | Al-Bron | 19                                                                                | 55     | 6  | 350                                                                                |     |
| 77994 |       | 77995 |         | 22                                                                                |        |    |                                                                                    |     |
| 75884 |       | 75885 |         | 24                                                                                |        |    |                                                                                    |     |
| 75886 |       | 75887 |         | 27                                                                                |        |    |                                                                                    |     |
| 75888 |       | 75889 |         | 30                                                                                | 60     |    | 380                                                                                |     |
| 75890 |       | 75891 |         | 32                                                                                |        |    | 500                                                                                |     |
| 77996 |       | 77997 |         | 34                                                                                |        |    | 65                                                                                 | 550 |
| 75892 |       | 75893 |         | 36                                                                                |        |    |                                                                                    |     |
| 77998 |       | 77999 |         | 38                                                                                | 700    |    |                                                                                    |     |
| 75894 |       | 75895 |         | 41                                                                                | 800    |    |                                                                                    |     |
| 75896 |       | 75897 |         | 46                                                                                | 900    |    |                                                                                    |     |
| 75898 |       | 75899 |         | 50                                                                                | 70     |    | 1100                                                                               |     |
| 78000 |       | 78001 |         | 55                                                                                |        |    | 1250                                                                               |     |
| 78002 |       | 78003 |         | 60                                                                                |        |    |                                                                                    |     |



■ INCH

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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

3/4"

MM

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



INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                                 | 60     |    | 460                                                                                 |
| 78055 |       | 78056 |         | 1.1/16                                                                            |        |    |                                                                                     |
| 78057 |       | 78058 |         | 1.1/8                                                                             |        |    | 600                                                                                 |
| 78059 |       | 78060 |         | 1.3/16                                                                            |        |    |                                                                                     |
| 78061 |       | 78062 |         | 1.1/4                                                                             | 65     |    | 650                                                                                 |
| 78063 |       | 78064 |         | 1.5/16                                                                            |        |    |                                                                                     |
| 78065 |       | 78066 |         | 1.3/8                                                                             |        |    | 700                                                                                 |
| 78067 |       | 78068 |         | 1.7/16                                                                            |        |    |                                                                                     |
| 78069 |       | 78070 |         | 1.1/2                                                                             | 70     |    | 850                                                                                 |
| 78071 |       | 78072 |         | 1.5/8                                                                             |        |    |                                                                                     |
| 78073 |       | 78074 |         | 1.3/4                                                                             |        |    |                                                                                     |
| 78075 |       | 78076 |         | 1.7/8                                                                             |        |    | 1200                                                                                |
| 78077 |       | 78078 |         | 1.13/16                                                                           |        |    |                                                                                     |
| 78079 |       | 78080 |         | 2                                                                                 |        |    | 1250                                                                                |



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

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|--|
| 78467 | Cu-Be | 78468 | Al-Bron | 19                                                                                  | 90     | 6  | 800                                                                                 |  |
| 78469 |       | 78470 |         | 22                                                                                  |        |    |                                                                                     |  |
| 78471 |       | 78472 |         | 24                                                                                  |        |    |                                                                                     |  |
| 78473 |       | 78474 |         | 27                                                                                  | 95     |    | 900                                                                                 |  |
| 78475 |       | 78476 |         | 30                                                                                  |        |    |                                                                                     |  |
| 78477 |       | 78478 |         | 32                                                                                  |        |    |                                                                                     |  |



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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

3/4"

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|------------------------------------------------------------------------------------|
| 78479 | Cu-Be | 78480 | Al-Bron | 34                                                                                | 95     | 6  | 900                                                                                |
| 78481 |       | 78482 |         | 36                                                                                |        |    |                                                                                    |
| 78483 |       | 78484 |         | 38                                                                                |        |    | 1100                                                                               |
| 78485 |       | 78486 |         | 41                                                                                |        |    | 1150                                                                               |
| 78487 |       | 78488 |         | 46                                                                                | 1200   |    |                                                                                    |
| 78489 |       | 78490 |         | 50                                                                                | 1700   |    |                                                                                    |
| 78491 |       | 78492 |         | 55                                                                                |        |    |                                                                                    |
| 78493 |       | 78494 |         | 60                                                                                | 1750   |    |                                                                                    |



INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                            | 95     |    | 900                                                                                 |
| 78507 |       | 78508 |         | 1.1/8                                                                             |        |    |                                                                                     |
| 78509 |       | 78510 |         | 1.3/16                                                                            |        |    |                                                                                     |
| 78511 |       | 78512 |         | 1.1/4                                                                             |        |    |                                                                                     |
| 78513 |       | 78514 |         | 1.5/16                                                                            |        |    |                                                                                     |
| 78515 |       | 78516 |         | 1.3/8                                                                             | 100    |    | 1200                                                                                |
| 78517 |       | 78518 |         | 1.7/16                                                                            |        |    |                                                                                     |
| 78519 |       | 78520 |         | 1.1/2                                                                             |        |    |                                                                                     |
| 78521 |       | 78522 |         | 1.5/8                                                                             |        |    |                                                                                     |
| 78523 |       | 78524 |         | 1.3/4                                                                             |        |    |                                                                                     |
| 78525 |       | 78526 |         | 1.13/16                                                                           | 1700   |    |                                                                                     |
| 78527 |       | 78528 |         | 1.7/8                                                                             |        |    |                                                                                     |
| 78529 |       | 78530 |         | 2                                                                                 |        |    |                                                                                     |



MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|--------------------------------------------------------------------------------------|
| 78531 | Cu-Be | 78532 | Al-Bron | 19                                                                                  | 90     | 12 | 800                                                                                  |
| 78533 |       | 78534 |         | 22                                                                                  |        |    |                                                                                      |
| 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



36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

3/4"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  AF <sup>g</sup> inch | L (mm) | Pt |  |
|-------|-------|-------|---------|--------------------------------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 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                                                                                                  |        |    | 1200                                                                                |
| 78589 |       | 78590 |         | 1.13/16                                                                                                |        |    |                                                                                     |
| 78591 |       | 78592 |         | 1.7/8                                                                                                  |        |    |                                                                                     |
| 78593 |       | 78594 |         | 2                                                                                                      |        |    | 1700                                                                                |



1"

STANDARD

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 72330 | Cu-Be | 72331 | Al-Bron | 19                                                                                  | 60     | 6  | 650                                                                                   |
| 72332 |       | 72333 |         | 21                                                                                  |        |    |                                                                                       |
| 72334 |       | 72335 |         | 22                                                                                  |        |    |                                                                                       |
| 72336 |       | 72337 |         | 24                                                                                  |        |    |                                                                                       |
| 72338 |       | 72339 |         | 26                                                                                  |        |    | 700                                                                                   |
| 72340 |       | 72341 |         | 27                                                                                  |        |    |                                                                                       |
| 72342 |       | 72343 |         | 29                                                                                  |        |    |                                                                                       |
| 72344 |       | 72345 |         | 30                                                                                  |        |    |                                                                                       |
| 72346 |       | 72347 |         | 32                                                                                  | 70     |    | 750                                                                                   |
| 72348 |       | 72349 |         | 34                                                                                  |        |    | 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                                                                                  |



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

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|--|
| 78081 | Cu-Be | 78082 | Al-Bron | 1.1/8                                                                             | 60     | 6  | 800                                                                                 |  |
| 78083 |       | 78084 |         | 1.1/4                                                                             | 65     |    | 900                                                                                 |  |
| 78085 |       | 78086 |         | 1.5/16                                                                            |        |    | 1050                                                                                |  |
| 78087 |       | 78088 |         | 1.1/2                                                                             |        |    |                                                                                     |  |
| 78089 |       | 78090 |         | 1.5/8                                                                             | 70     |    | 1500                                                                                |  |
| 78091 |       | 78092 |         | 1.13/16                                                                           | 75     |    |                                                                                     |  |
| 78093 |       | 78094 |         | 2                                                                                 | 80     |    | 2050                                                                                |  |
| 78095 |       | 78096 |         | 2.1/8                                                                             | 85     |    | 2300                                                                                |  |
| 78097 |       | 78098 |         | 2.3/8                                                                             | 90     |    | 2700                                                                                |  |
| 78099 |       | 78100 |         | 2.9/16                                                                            | 95     |    | 2950                                                                                |  |
| 78101 |       | 78102 |         | 2.3/4                                                                             |        |    | 3150                                                                                |  |
| 78103 |       | 78104 |         | 2.15/16                                                                           |        |    | 3350                                                                                |  |
| 78105 |       | 78106 |         | 3.1/8                                                                             |        |    | 3550                                                                                |  |



MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|--|
| 75900 | Cu-Be | 75901 | Al-Bron | 19                                                                                | 60     | 12 | 650                                                                                 |  |
| 75902 |       | 75903 |         | 21                                                                                |        |    |                                                                                     |  |
| 75904 |       | 75905 |         | 22                                                                                |        |    |                                                                                     |  |
| 75906 |       | 75907 |         | 24                                                                                |        |    | 700                                                                                 |  |
| 75908 |       | 75909 |         | 26                                                                                |        |    |                                                                                     |  |
| 75910 |       | 75911 |         | 27                                                                                |        |    |                                                                                     |  |
| 75912 |       | 75913 |         | 29                                                                                | 70     |    | 750                                                                                 |  |
| 75914 |       | 75915 |         | 30                                                                                |        |    |                                                                                     |  |
| 75916 |       | 75917 |         | 32                                                                                |        |    |                                                                                     |  |
| 75918 |       | 75919 |         | 34                                                                                |        |    | 800                                                                                 |  |
| 75920 |       | 75921 |         | 35                                                                                |        |    | 850                                                                                 |  |
| 75922 |       | 75923 |         | 36                                                                                |        |    |                                                                                     |  |
| 75924 |       | 75925 |         | 38                                                                                | 80     |    | 900                                                                                 |  |
| 75926 |       | 75927 |         | 41                                                                                |        |    | 1200                                                                                |  |
| 75928 |       | 75929 |         | 46                                                                                |        |    |                                                                                     |  |
| 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**  
**Al-Bron**

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

Aluminio bronce / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|--|
| 78107 | Cu-Be | 78108 | Al-Bron | 1.1/8                                                                             | 60     | 12 | 800                                                                                 |  |
| 78109 |       | 78110 |         | 1.1/4                                                                             | 65     |    | 900                                                                                 |  |
| 78111 |       | 78112 |         | 1.5/16                                                                            |        |    | 1050                                                                                |  |
| 78113 |       | 78114 |         | 1.1/2                                                                             |        |    |                                                                                     |  |
| 78115 |       | 78116 |         | 1.5/8                                                                             | 70     |    | 1500                                                                                |  |
| 78117 |       | 78118 |         | 1.13/16                                                                           | 75     |    |                                                                                     |  |
| 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                                                                                |  |



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

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 78595 | Cu-Be | 78596 | Al-Bron | 19                                                                                | 100    | 6  | 900                                                                                 |
| 78597 |       | 78598 |         | 21                                                                                |        |    | 950                                                                                 |
| 78599 |       | 78600 |         | 22                                                                                |        |    | 1000                                                                                |
| 78601 |       | 78602 |         | 24                                                                                |        |    | 1050                                                                                |
| 78603 |       | 78604 |         | 26                                                                                |        |    | 1150                                                                                |
| 78605 |       | 78606 |         | 27                                                                                |        |    | 1250                                                                                |
| 78607 |       | 78608 |         | 29                                                                                |        |    | 1300                                                                                |
| 78609 |       | 78610 |         | 30                                                                                |        |    | 1350                                                                                |
| 78611 |       | 78612 |         | 32                                                                                |        |    | 1400                                                                                |
| 78613 |       | 78614 |         | 34                                                                                |        |    | 1450                                                                                |
| 78615 |       | 78616 |         | 35                                                                                |        |    | 1500                                                                                |
| 76853 |       | 76854 |         | 36                                                                                |        |    | 2200                                                                                |
| 78617 |       | 78618 |         | 38                                                                                |        |    | 2300                                                                                |
| 78619 |       | 78620 |         | 41                                                                                |        |    | 2650                                                                                |
| 78621 |       | 78622 |         | 46                                                                                | 2700   |    |                                                                                     |
| 78623 |       | 78624 |         | 50                                                                                | 2950   |    |                                                                                     |
| 78625 |       | 78626 |         | 52                                                                                | 3000   |    |                                                                                     |
| 78627 |       | 78628 |         | 55                                                                                | 3950   |    |                                                                                     |
| 78629 |       | 78630 |         | 58                                                                                | 4750   |    |                                                                                     |
| 78631 |       | 78632 |         | 60                                                                                | 4800   |    |                                                                                     |
| 78633 |       | 78634 |         | 65                                                                                |        |    |                                                                                     |
| 78635 |       | 78636 |         | 70                                                                                |        |    |                                                                                     |
| 78637 |       | 78638 |         | 75                                                                                |        |    |                                                                                     |
| 78639 |       | 78640 |         | 80                                                                                |        |    |                                                                                     |



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

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**ANTICHISPA**  
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**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1"

INCH

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



MM

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



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

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**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1"

INCH

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



1.1/2"

STANDARD

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|------------------------------------------------------------------------------------|--------|----|--------------------------------------------------------------------------------------|
| 78133 | Cu-Be | 78134 | Al-Bron | 34                                                                                 | 80     | 6  | 2200                                                                                 |
| 78135 |       | 78136 |         | 36                                                                                 |        |    |                                                                                      |
| 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 |       | 78152 |         | 60                                                                                 | 95     |    | 3050                                                                                 |
| 78153 |       | 78154 |         | 65                                                                                 | 100    |    | 3350                                                                                 |
| 78155 |       | 78156 |         | 70                                                                                 | 105    |    | 3800                                                                                 |
| 78157 |       | 78158 |         | 75                                                                                 | 110    |    | 4100                                                                                 |
| 78159 |       | 78160 |         | 80                                                                                 | 115    |    | 4800                                                                                 |
| 78161 |       | 78162 |         | 85                                                                                 | 120    |    | 5600                                                                                 |
| 78163 |       | 78164 |         | 90                                                                                 | 125    |    | 6850                                                                                 |
| 78165 |       | 78166 |         | 95                                                                                 | 130    |    | 7650                                                                                 |
| 78167 |       | 78168 |         | 100                                                                                |        |    | 8200                                                                                 |
| 78169 |       | 78170 |         | 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**  
**Al-Bron**

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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1.1/2"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|--|
| 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                                                                             |        |    | 3050                                                                                |  |
| 78183 |       | 78184 |         | 2.1/2                                                                             | 95     |    | 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                                                                           |        |    |                                                                                     |  |
| 78205 |       | 78206 |         | 4                                                                                 |        |    | 8200                                                                                |  |
| 78207 |       | 78208 |         | 4.1/8                                                                             |        |    | 8800                                                                                |  |
| 78209 |       | 78210 |         | 4.1/2                                                                             |        |    | 10000                                                                               |  |



MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 78211 | Cu-Be | 78212 | Al-Bron | 34                                                                                  | 80     | 12 | 2200                                                                                  |
| 78213 |       | 78214 |         | 36                                                                                  |        |    |                                                                                       |
| 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 |       | 78230 |         | 60                                                                                  | 95     |    | 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                                                                                  | 130    |    | 7650                                                                                  |
| 78245 |       | 78246 |         | 100                                                                                 |        |    | 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**  
**Al-Bron**

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

Aluminio bronce / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

1.1/2"

INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|--|
| 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                                                                               |  |



2.1/2"

STANDARD

MM

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 78289 | Cu-Be | 78290 | Al-Bron | 75                                                                                  | 140    | 6  | 8400                                                                                  |
| 78291 |       | 78292 |         | 80                                                                                  |        |    | 8700                                                                                  |
| 78293 |       | 78294 |         | 85                                                                                  |        |    | 8900                                                                                  |
| 78295 |       | 78296 |         | 90                                                                                  |        |    | 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  |    |                                                                                       |



INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 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                                                                               | 10100  |    |                                                                                       |
| 78319 |       | 78320 |         | 3.3/4                                                                               | 10500  |    |                                                                                       |
| 78321 |       | 78322 |         | 3.15/16                                                                             | 11300  |    |                                                                                       |



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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

2.1/2"

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|----|-------------------------------------------------------------------------------------|
| 78323 | Cu-Be | 78324 | Al-Bron | 4.1/8                                                                             | 150    | 6  | 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                                                                               |



MM

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



INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 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                                                                               |        |    | 10100                                                                                 |
| 78363 |       | 78364 |         | 3.3/4                                                                               |        |    | 10500                                                                                 |
| 78365 |       | 78366 |         | 3.15/16                                                                             | 150    |    | 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                                                                                 |



INCH

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Pt |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|----|---------------------------------------------------------------------------------------|
| 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                                                                               |        |    | 10100                                                                                 |
| 78363 |       | 78364 |         | 3.3/4                                                                               |        |    | 10500                                                                                 |
| 78365 |       | 78366 |         | 3.15/16                                                                             | 150    |    | 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



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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

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



**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.    |  | L (mm) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 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 / SICHERUNGSSSTIFT / COPPIGLIA / PINO DE SEGURANÇA / ФИКСИРУЮЩИЙ ПАЛЕЦ**

| COD.  | MAT.  | COD.  | MAT.    |  | L (mm) | Ø x L (mm) |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|------------|-------------------------------------------------------------------------------------|
| 73621 | Cu-Be | 73622 | Al-Bron | 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     |                                                                                     |



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

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

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



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

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



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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

**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) |  |  |
|-------|-------|-------|---------|--------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 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 SPANNER / 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) |  |
|-------|-------|-------|---------|--------|------------|----------|-------------------------------------------------------------------------------------|
| 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                                                                                |



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

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



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

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



**Cu-Be** 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 Алюминий Бронза

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ ABBREBIDONES / 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  | 1 |



■ ABRIDOR DE TONELES DE CARBURO / CARBIDE DRUM OPENER / OUVRE BARIL DE CARBURANT

| 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   |     |
| 71398 |       | 71415 |         | 200    | 45 - 50   | 150 |
| 71399 |       | 71416 |         |        | 52 - 55   |     |
| 71400 |       | 71417 |         | 230    | 58 - 62   | 200 |
| 71401 |       | 71418 |         | 250    | 68 - 75   |     |
| 71402 |       | 71419 |         | 280    | 80 - 90   |     |
| 71403 |       | 71420 |         | 300    | 90 - 100  | 700 |
| 71404 |       | 71421 |         | 310    | 95 - 100  |     |
| 71405 |       | 71422 |         | 330    | 100 - 110 |     |
| 71406 |       | 71423 |         |        | 110 - 115 | 800 |
| 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   |     |



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

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ANTICHISPA  
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ИСКРОБЕЗОПАСНЫЙ

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

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

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



### ■ 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 / GURTRÖHRZANGE / GIRATUBI A NASTRO / CHAVE DE CORREIA / РЕМШКОВЫЙ КЛЮЧ

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | CAP. (inch) | g   |
|-------|-------|-------|---------|--------|-------------|-----|
| 73906 | Cu-Be | 73907 | Al-Bron | 300    | 3           | 800 |

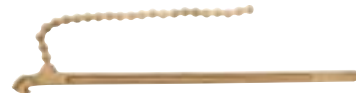


### ■ LLAVE DE CADENA / CHAIN PIPE WRENCH / CLÉ À CHAÎNE / KETTEN-ROHRZANGE / GIRATUBI A CATENA / CHAVE CORRENTE / ЦЕПНОЙ КЛЮЧ

| 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 |



**Cu-Be** 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 Алюминий Бронза

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

| 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   |

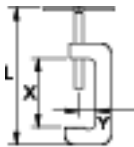


**TORNILLO DE BANCO PARALELO / PARALLEL BENCH VICE / ETAU À MORS PARALLELES / PARALLELSCHRAUBSTÖCKE / Morsa da Banco Paralela / TORNO DE BANCADA PARALELO / СПЕКАРНЫЕ ТИСКИ**

| COD.  | MAT.  | COD.  | MAT.    |  |  | 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 |



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



| COD.  | MAT.  | COD.  | MAT.    | L (mm) | X   | Y   | g    |
|-------|-------|-------|---------|--------|-----|-----|------|
| 72478 | Cu-Be | 72479 | Al-Bron | 210    | 60  |     | 1200 |
| 72480 |       | 72481 |         | 250    | 80  | 36  | 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.    |  |  |  | g   |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|
| 72258 | Cu-Be | 72279 | Al-Bron |                                                                                     | 3                                                                                   |                                                                                     | 35  |
| 72259 |       | 72280 |         | 50                                                                                  | 4,5                                                                                 |                                                                                     | 43  |
| 72260 |       | 72281 |         |                                                                                     | 3                                                                                   | 80                                                                                  | 35  |
| 72261 |       | 72282 |         |                                                                                     | 4                                                                                   |                                                                                     | 45  |
| 72262 |       | 72283 |         |                                                                                     | 5                                                                                   | 103                                                                                 | 70  |
| 72263 |       | 72284 |         |                                                                                     | 4                                                                                   | 82                                                                                  | 45  |
| 72264 |       | 72285 |         | 100                                                                                 | 5                                                                                   |                                                                                     | 75  |
| 72265 |       | 72286 |         |                                                                                     |                                                                                     | 103                                                                                 | 85  |
| 72266 |       | 72287 |         | 125                                                                                 | 6                                                                                   |                                                                                     | 100 |
| 72267 |       | 72288 |         |                                                                                     |                                                                                     |                                                                                     | 110 |
| 72268 |       | 72289 |         |                                                                                     | 7                                                                                   | 112                                                                                 | 125 |
| 72269 |       | 72290 |         |                                                                                     | 8                                                                                   |                                                                                     | 140 |



**Cu-Be** 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 Алюминий Бронза

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**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

| COD.  | MAT.  | COD.  | MAT.    |  |  |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 72270 | Cu-Be | 72291 | Al-Bron | 200                                                                               | 8                                                                                 | 112                                                                               | 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.    |  |  |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 72277 | Cu-Be | 72298 | Al-Bron | 400                                                                               | 12                                                                                | 150                                                                               | 400                                                                                 |
| 72278 |       | 72299 |         | 450                                                                               | 13                                                                                |                                                                                   | 480                                                                                 |



#### ELECTRICISTA / ELECTRICIAN / ELECTRICIEN / ELEKTRIKER / PER ELETTRICISTI / ELECTRICISTA / ЭЛЕКТРИЧЕСКАЯ

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



#### PHILIPS

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



#### POZIDRIV®\*

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



\*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.)

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

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

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

## ■ TORX®

| COD.  | MAT.  | COD.  | MAT.    |  |  |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 35714 | Cu-Be | 35715 | Al-Bron | T 10                                                                              | 75                                                                                | 98                                                                                | 67                                                                                  |
| 35716 |       | 35717 |         | T 15                                                                              |                                                                                   |                                                                                   | 71                                                                                  |
| 35718 |       | 35719 |         | T 20                                                                              |                                                                                   |                                                                                   | 98                                                                                  |
| 74367 |       | 74368 |         | T 25                                                                              |                                                                                   |                                                                                   | 103                                                                                 |
| 35720 |       | 35721 |         | T 27                                                                              | 150                                                                               | 108                                                                               | 108                                                                                 |
| 35722 |       | 35723 |         | T 30                                                                              |                                                                                   |                                                                                   |                                                                                     |
| 35724 |       | 35725 |         | T 40                                                                              | 200                                                                               | 120                                                                               | 160                                                                                 |
| 35726 |       | 35727 |         | T 45                                                                              |                                                                                   |                                                                                   |                                                                                     |



## ■ TAMPER TORX

| COD.  | MAT.  | COD.  | MAT.    |  |  |  |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 35700 | Cu-Be | 35701 | Al-Bron | TT 10                                                                             | 75                                                                                | 98                                                                                | 67                                                                                  |
| 35702 |       | 35703 |         | TT 15                                                                             |                                                                                   |                                                                                   | 71                                                                                  |
| 35704 |       | 35705 |         | TT 20                                                                             |                                                                                   |                                                                                   | 98                                                                                  |
| 74349 |       | 74350 |         | TT 25                                                                             |                                                                                   |                                                                                   | 103                                                                                 |
| 35706 |       | 35707 |         | TT 27                                                                             | 150                                                                               | 108                                                                               | 108                                                                                 |
| 35708 |       | 35709 |         | TT 30                                                                             |                                                                                   |                                                                                   |                                                                                     |
| 35710 |       | 35711 |         | TT 40                                                                             | 200                                                                               | 120                                                                               | 160                                                                                 |
| 35712 |       | 35713 |         | TT 45                                                                             |                                                                                   |                                                                                   |                                                                                     |



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

| COD.  | MAT.  | COD.  | MAT.    |  |  |  |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 73879 | Cu-Be | 73880 | Al-Bron | 6                                                                                   | 90                                                                                  | 100                                                                                 | 85                                                                                    |
| 73878 |       | 73891 |         | 7                                                                                   |                                                                                     |                                                                                     | 95                                                                                    |
| 73881 |       | 73882 |         | 8                                                                                   |                                                                                     |                                                                                     | 100                                                                                   |
| 73883 |       | 73884 |         | 10                                                                                  |                                                                                     |                                                                                     | 140                                                                                   |
| 73885 |       | 73886 |         | 13                                                                                  | 110                                                                                 | 120                                                                                 | 180                                                                                   |
| 73887 |       | 73888 |         | 16                                                                                  |                                                                                     |                                                                                     | 220                                                                                   |
| 73889 |       | 73890 |         | 17                                                                                  |                                                                                     |                                                                                     | 230                                                                                   |



## ■ SET

## ■ 6 PCS.

| COD.  | MAT.    | PCS. | COD. PCS.                                                         |  |  |
|-------|---------|------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 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)                                                          |                                                                                     |



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

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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

| COD.         | MAT.    | PCS. |  |  |
|--------------|---------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>76467</b> | 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)                                                        |
| <b>76468</b> | Al-Bron |      | 3 x 50 (71588), 4 x 100 (71589), 5 x 100 (72308), 8 x 150 (71592)                 | PH-1 (71599), PH-2 (71600)                                                        |



#### ■ 8 PCS.

| COD.         | MAT.    | PCS. |  |  |  |
|--------------|---------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>76469</b> | 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)                                                         |
| <b>76470</b> | 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. |  |  |  |
|--------------|---------|------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>76471</b> | 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)                                                          |
| <b>76472</b> | 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 / CACCIIVITE A SQUADRA / CHAVE DE PARAFUSOS ANGULAR / КОЛЕНЧАТАЯ ОТВЕРТКА

| COD.         | MAT.  | COD.         | MAT.    | L (mm) |  |  |
|--------------|-------|--------------|---------|--------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>72462</b> | Cu-Be | <b>72463</b> | Al-Bron | 72     | 6                                                                                   | 25                                                                                   |
| <b>72464</b> |       | <b>72465</b> |         | 125    | 8                                                                                   | 50                                                                                   |
| <b>72466</b> |       | <b>72467</b> |         | 195    | 10                                                                                  | 125                                                                                  |

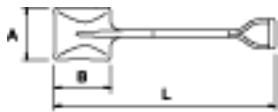


**Cu-Be** Cobre berilio / Beryllium copper / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий  
**Al-Bron** Aluminio bronce / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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



| COD.  | MAT.  | COD.  | MAT.    | L (mm) | A (mm) | B (mm) |  |
|-------|-------|-------|---------|--------|--------|--------|-------------------------------------------------------------------------------------|
| 71615 | Cu-Be | 71616 | Al-Bron | 1350   | 240    | 290    | 1500                                                                                |



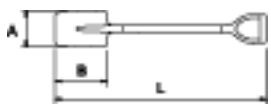
■ PALA PUNTA / ROUND POINT SHOVEL / PELLE EN POINTE / SCHWANENHALSSCHAUFEL / PALA A PUNTA TONDA / PA DE BICO / САДОВАЯ ЛОПАТА



| COD.  | MAT.  | COD.  | MAT.    | L (mm) | A (mm) | B (mm) |  |
|-------|-------|-------|---------|--------|--------|--------|-------------------------------------------------------------------------------------|
| 71617 | Cu-Be | 71618 | Al-Bron | 1350   | 240    | 290    | 1500                                                                                |



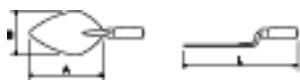
■ PALA DE CAVAR / EDING SPADE / PELLE BÊCHE / SCHAUFEL VIERECKING / PALA PER SCAVARE / PA DE VALAR / СОВКОВАЯ ЛОПАТА



| COD.  | MAT.  | COD.  | MAT.    | L (mm) | A (mm) | B (mm) |  |
|-------|-------|-------|---------|--------|--------|--------|---------------------------------------------------------------------------------------|
| 71619 | Cu-Be | 71620 | Al-Bron | 1120   | 180    | 280    | 1500                                                                                  |



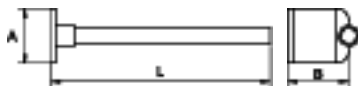
■ PALETA / BRICKLAYER / SPATULE / MAUERKELLE / PALETTA / COLHER / МАСТЕРОК



| COD.  | MAT.  | COD.  | MAT.    | L (mm) | A (mm) | B (mm) |  |
|-------|-------|-------|---------|--------|--------|--------|---------------------------------------------------------------------------------------|
| 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) |  |
|-------|-------|-------|---------|--------|--------|--------|---------------------------------------------------------------------------------------|
| 74253 | Cu-Be | 74254 | Al-Bron | 900    | 130    | 130    | 1200                                                                                  |
| 74255 |       | 74256 |         |        | 200    | 200    | 1800                                                                                  |



■ 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)   |  |
|-------|-------|-------|---------|------------------|-------------------------------------------------------------------------------------|
| 74231 | Cu-Be | 74232 | Al-Bron | 1025 x 200 x 185 | 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 Алюминий Бронза

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■ 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) |  |
|-------|-------|-------|---------|------------|-----------------------------------------------------------------------------------|
| 74234 | Cu-Be | 74235 | Al-Bron | 1225 x 200 | 2000                                                                              |



■ RASTRILLO LIMPIADOR DE OXIDO / RUST CLEANING RAKE / RÂTEAU POUR NETTOYAGE DE L'OXIDE / RECHEN F / ROST RASTRELLO PER PULIRE L'OSSIDO / ANSINHO LIMPADOR DE OXIDO / СКРЕБОК ДЛЯ УДАЛЕНИЯ РЖАВЧИНЫ

| COD.  | MAT.  | COD.  | MAT.    | L x W x H (mm)  |  |
|-------|-------|-------|---------|-----------------|-----------------------------------------------------------------------------------|
| 74237 | Cu-Be | 74238 | Al-Bron | 350 x 100 x 100 | 900                                                                               |



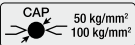
■ RASTRILLO / RAKE / RATEAU / RECHEN / RASTRELLO / ANSINHO / СКРЕБОК

| COD.  | MAT.  | COD.  | MAT.    | L x W x H (mm)   |  |
|-------|-------|-------|---------|------------------|-----------------------------------------------------------------------------------|
| 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) |  |  |
|-------|-------|-------|---------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 73415 | Cu-Be | 73423 | Al-Bron | 24       | 5-8                                                                               | 3000                                                                               |
| COD.  | MAT.  | COD.  | MAT.    | L (inch) |                                                                                   |                                                                                    |
| 35760 | Cu-Be | 35761 | Al-Bron | 24       |                                                                                   |                                                                                    |



■ CIZALLA DE PASO LIBRE A LA DERECHA / RIGTH CUT NIPPER SHEAR / CISAILLE COUPE DROITE / SCHNEIDSCHERE RECHTS / CISOIA TAGLIO DESTRO / TESOURA DE PASSAGEM LIVRE A DIREITA / НОЖНИЦЫ ПРАВОЙ РЕЗКИ

| COD.  | MAT.  | COD.  | MAT.    | L (mm) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 70528 | Cu-Be | 70545 | Al-Bron | 275    | 600                                                                                 |



■ TIJERAS / SCISSORS / CISEAUX / SCHERE / CISOIE / TESOIRA / НОЖНИЦЫ

| COD.  | MAT.  | COD.  | MAT.    | L (mm) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 70529 | Cu-Be | 70546 | Al-Bron | 225    | 300                                                                                 |



| COD.  | MAT.  | COD.  | MAT.    | L (mm) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 72460 | Cu-Be | 72461 | Al-Bron | 150    | 90                                                                                  |



| COD.  | MAT.  | COD.  | MAT.    | L (mm) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 73892 | Cu-Be | 73893 | Al-Bron | 290    | 220                                                                                 |
| 73894 |       | 73895 |         | 360    | 850                                                                                 |



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

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ИСКРОБЕЗОПАСНЫЙ

■ TIJERAS DE HOJALATERO / TIN SNIPS / CISEAUX DE TOLIER / BLECHSCHEREN / CESCOIA PER LATTONNIERI / TESOURAS DE CHAPA / НОЖНИЦЫ ПО ЖЕСТИ

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g   |
|-------|-------|-------|---------|--------|-----|
| 72458 | Cu-Be | 72459 | Al-Bron | 300    | 450 |



■ 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 / SEGNETTO / 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 |



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

| COD.  | MAT.  | COD.  | MAT.    | L (mm)   | g   |
|-------|-------|-------|---------|----------|-----|
| 73741 | Cu-Be | 73742 | Al-Bron | 61 x 113 | 180 |



■ BROCAS / TWIST DRILL / MÈCHES / BOHRER / PUNTE PER TRAPANO / BROCAS / СВЕРЛА

| 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      | 320    | 540 |
| 73644 |       | 18      | 320    | 650 |
| 73645 |       | 19      | 320    | 720 |



Cu-Be 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 Алюминий Бронза

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| COD.  | MAT.  |  | L (mm) |  |
|-------|-------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 73646 | Cu-Be | 20                                                                                | 330    | 820                                                                                |

■ 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) |  |
|-------|-------|--------|--------|--------|------------------------------------------------------------------------------------|
| 71607 | Cu-Be | 200    | 20     | 6      | 350                                                                                |
| 71608 |       | 300    | 31     | 8      | 750                                                                                |
| 72237 |       | 500    | 41     | 12     | 1800                                                                               |



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



| COD.  | MAT.  | L (mm) | A (mm) | B (mm) |  |
|-------|-------|--------|--------|--------|------------------------------------------------------------------------------------|
| 71603 | Cu-Be | 200    | 19     | 10     | 450                                                                                |



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



| COD.  | MAT.  | L (mm) | Ø A (mm) |  |
|-------|-------|--------|----------|--------------------------------------------------------------------------------------|
| 71605 | Cu-Be | 200    | 9        | 450                                                                                  |



■ MISCELÁNEA / MISCELLANEOUS / DIVERS / VERSCHIEDENE / MISCELLANEA / MISTURA / РАЗНОЕ

■ CÍNCEL / FLAT CHISEL / CISEAU / MAURERMEISSEL / SCALPELLI / ESCOPRO / ПЛОСКОЕ ЗУБИЛО

| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|
| 70447 | Cu-Be | 71509 | Al-Bron | 150 x 22 | 300                                                                                 |
| 70448 |       | 71510 |         | 200 x 22 | 400                                                                                 |
| 70449 |       | 71511 |         | 250 x 24 | 600                                                                                 |
| 70450 |       | 71512 |         | 300 x 25 | 800                                                                                 |
| 70451 |       | 71513 |         | 400 x 27 | 1000                                                                                |



■ CÍNCEL EN PUNTA / CROSS CUTTING CHISEL / BURIN / DURCHSCHLAGMEISSEL / SCALPELLI A PUNTA / PONTEIRO / ВЫРУБНОЕ ЗУБИЛО

| COD.  | MAT.  | COD.  | MAT.    | L (mm) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 73778 | Cu-Be | 73779 | Al-Bron | 140    | 270                                                                                 |
| 73780 |       | 73781 |         | 200    | 450                                                                                 |
| 73782 |       | 73783 |         | 300    | 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 Алюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |  |
|-------|-------|-------|---------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 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 | 18                                                                                | 370                                                                                |
| 73796 |       | 73797 |         | 20 x 200 | 20                                                                                | 470                                                                                |
| 73798 |       | 73799 |         | 24 x 250 | 24                                                                                | 800                                                                                |
| 73800 |       | 73801 |         | 24 x 300 | 24                                                                                | 1000                                                                               |
| 73802 |       | 73803 |         | 25 x 300 | 25                                                                                | 1250                                                                               |
| 73804 |       | 73805 |         | 25 x 400 | 25                                                                                | 1400                                                                               |
| 73806 |       | 73807 |         | 25 x 500 | 25                                                                                | 1800                                                                               |
| 73808 |       | 73809 |         | 30 x 500 | 30                                                                                | 2650                                                                               |



**CORTAFRÍOS HEXAGONAL / HEXAGONAL COLD CHISEL / BÉDANE HEXAGONALE / HEX MEISEL / SCALPELLO ESAGONALE TAGLIO A FREDDO / ESCOPRO HEXAGONAL / ШЕСТИГРАННОЕ ЗУБИЛО**

| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |  |
|-------|-------|-------|---------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 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 | 17                                                                                | 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 / PUNÇÃO DE BICO / МЕТЧИК**

| COD.  | MAT.  | COD.  | MAT.    | L (mm) |  |
|-------|-------|-------|---------|--------|-------------------------------------------------------------------------------------|
| 71514 | Cu-Be | 71516 | Al-Bron | 100    | 60                                                                                  |
| 71515 |       | 71517 |         | 150    | 80                                                                                  |



**BOTADORES CÓNICOS / TAPER PUNCHES / CHASSE CLOU / KÖRNER / PUNZONE CONICO / PUNÇÕES CÔNICOS / КОНИЧЕСКИЕ ПРОБОЙНИКИ**

MM

| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 70426 | Cu-Be | 71472 | Al-Bron | 150 x 10 | 2                                                                                   | 60                                                                                   |
| 70427 |       | 71473 |         |          | 3                                                                                   |                                                                                      |
| 70428 |       | 71474 |         |          | 4                                                                                   |                                                                                      |
| 70429 |       | 71475 |         |          | 5                                                                                   |                                                                                      |
| 70430 |       | 71476 |         |          | 6                                                                                   |                                                                                      |
| 70431 |       | 71477 |         | 150 x 12 | 7                                                                                   | 70                                                                                   |
| 70432 |       | 71478 |         |          | 8                                                                                   |                                                                                      |
| 70433 |       | 71479 |         | 150 x 14 | 9                                                                                   | 200                                                                                  |
| 70434 |       | 71480 |         |          | 10                                                                                  |                                                                                      |
| 70435 |       | 71481 |         | 150 x 16 | 11                                                                                  |                                                                                      |
| 70436 |       | 71482 |         |          | 12                                                                                  |                                                                                      |
| 70437 |       | 71483 |         | 150 x 18 | 13                                                                                  | 300                                                                                  |
| 70438 |       | 71484 |         |          | 14                                                                                  |                                                                                      |
| 70439 |       | 71485 |         | 200 x 20 | 15                                                                                  | 400                                                                                  |
| 70440 |       | 71486 |         |          | 16                                                                                  |                                                                                      |
| 70441 |       | 71487 |         | 200 x 22 | 17                                                                                  | 500                                                                                  |
| 70442 |       | 71488 |         |          | 18                                                                                  |                                                                                      |
| 70443 |       | 71489 |         | 250 x 24 | 19                                                                                  | 800                                                                                  |
| 70444 |       | 71490 |         |          | 20                                                                                  |                                                                                      |
| 70445 |       | 71491 |         | 250 x 26 | 21                                                                                  | 900                                                                                  |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  | MAT.  | COD.  | MAT.    | L (mm)   | O.D.<br>mm | g   |
|-------|-------|-------|---------|----------|------------|-----|
| 70446 | Cu-Be | 71492 | Al-Bron | 250 x 26 | 22         | 900 |

## INCH

| COD.  | MAT.  | COD.  | MAT.    | L (mm)   | O.D.<br>inch | g    |
|-------|-------|-------|---------|----------|--------------|------|
| 73583 | Cu-Be | 73572 | Al-Bron | 250 x 26 | 7/8          | 950  |
| 73584 |       | 73573 |         |          | 1            |      |
| 73585 |       | 73574 |         |          | 1.1/8        |      |
| 73586 |       | 73575 |         |          | 1.1/4        |      |
| 73587 |       | 73576 |         |          | 1.3/8"       |      |
| 73588 |       | 73577 |         |          | 1.1/2"       |      |
| 73589 |       | 73578 |         |          | 1.5/8"       | 1000 |
| 73590 |       | 73579 |         |          | 1.3/4"       |      |
| 73591 |       | 73580 |         |          | 1.7/8        |      |



## BOTADORES CILÍNDRICOS / PIN PUNCHES / CHASSES GOUPILLES / DURCHSCHLÄGER / PUNZONE CILINDRICO / PUNÇÕES CILÍNDRICOS / ПРОБОЙНИКИ

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | O.D.<br>mm | g   |
|-------|-------|-------|---------|--------|------------|-----|
| 71518 | Cu-Be | 71527 | Al-Bron | 110    | 1,4        | 5   |
| 71519 |       | 71528 |         |        | 1,8        | 10  |
| 71520 |       | 71529 |         |        | 2,4        | 19  |
| 71521 |       | 71530 |         |        | 2,8        |     |
| 71522 |       | 71531 |         |        | 3          | 38  |
| 71523 |       | 71532 | Al-Bron | 120    | 4          |     |
| 71524 |       | 71533 |         | 130    | 5          |     |
| 71525 |       | 71534 |         | 140    | 6          |     |
| 71526 |       | 71535 |         | 150    | 8          | 175 |



## PUNTERO / DIAMOND POINT CHISEL / BURIN / KÖRNER / PUNTE / PUNÇÃO / ПРОБОЙНИК С АЛМАЗНЫМ НАКОНЕЧНИКОМ

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | AF<br>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 |



## PUNTERO ESPECIAL / CAULKING TOOL / BURIN SPECIAL / KÖRNER LANG / PUNTE SPECIALI / PUNÇÃO ESPECIAL / МОТИПОВКА

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | AF<br>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  |

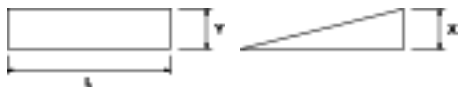


**Cu-Be** Cobre berilio / Beryllium copper / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий  
**Al-Bron** Aluminio bronze / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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



| COD.  | MAT.  | COD.  | MAT.    | L (mm) | Y  | X    |  |
|-------|-------|-------|---------|--------|----|------|------------------------------------------------------------------------------------|
| 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                                                                                |
| 70455 |       | 71496 |         |        | 40 | 13-0 | 200                                                                                |
| 70456 |       | 71497 |         |        |    | 8-0  | 400                                                                                |
| 70457 |       | 71498 |         |        |    | 13-0 |                                                                                    |
| 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                                                                               |
| 70464 |       | 71505 |         |        | 50 | 12-0 | 500                                                                                |
| 70465 |       | 71506 |         | 230    | 40 | 20-0 | 800                                                                                |
| 70466 |       | 71507 |         | 250    |    | 30-0 | 1300                                                                               |
| 70467 |       | 71508 |         | 300    |    | 40-0 | 2500                                                                               |

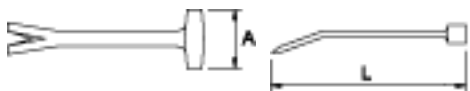


PALANCA / PINCHBAR / PINCE À TALON / BRECHSTANGE / LEVA / AVALANCA / МОНИТРОВКА

| 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.<br>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 |         | 850    | 30                                                                                             | 4,5                                                                                     |
| 73853 |       | 73854 |         |        | 25                                                                                             | 3,8                                                                                     |
| 73855 |       | 73856 |         | 1000   | 28                                                                                             | 4,5                                                                                     |
| 73857 |       | 73858 |         |        | 30                                                                                             | 5,5                                                                                     |
| 73859 |       | 73860 |         |        | 25                                                                                             | 4,5                                                                                     |
| 73861 |       | 73862 |         | 1200   | 30                                                                                             | 6,5                                                                                     |
| 73863 |       | 73864 |         |        | 30                                                                                             | 8,5                                                                                     |
| 73865 |       | 73866 |         | 1500   |                                                                                                |                                                                                         |



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



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

36

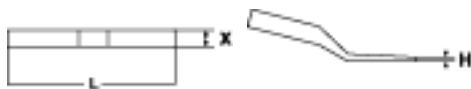
ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ BARRA DE DESENCOFRAR / WRECKING BAR / PINCE MONSEIGNEUR / BRECHSEISEN / 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 / МОТИРОВА



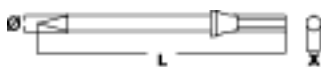
| COD.  | MAT.  | COD.  | MAT.    | L (mm) | X  | H (mm) | g   |
|-------|-------|-------|---------|--------|----|--------|-----|
| 72601 | Cu-Be | 72602 | Al-Bron | 200    | 20 | 5      | 450 |
| 72603 |       | 72604 |         | 250    |    | 8      | 600 |



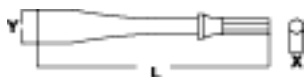
■ CINCELES NEUMÁTICOS / PNEUMATIC CHISELS / BURINS PNEUMATIQUES / PNEUMATISCHE MEISSEL / SCALPELLO PNEUMATICO / ESCOPROS PNEUMÁTICOS / ПНЕВМО ДОЛОТА



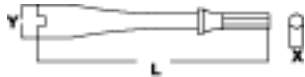
| COD.  | MAT.  | COD.  | MAT.    | X  | Y   | Z   | g    |
|-------|-------|-------|---------|----|-----|-----|------|
| 72583 | Cu-Be | 72584 | Al-Bron | 28 | 150 | 350 | 3200 |



| 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  | 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 |



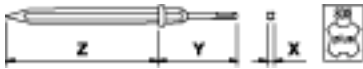
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|-------|-------|-------|---------|--------|----|----|-----|
| 72597 | Cu-Be | 72598 | Al-Bron | 125    | 10 | 20 | 150 |
| 72599 |       | 72600 |         | 175    |    |    | 190 |



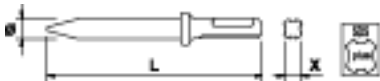
Cu-Be Cobre berilio / Beryllium copper / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий  
Al-Bron Aluminio bronce / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза

36

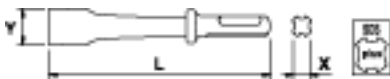
ANTICHISPA  
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ИСКРОБЕЗОПАСНЫЙ



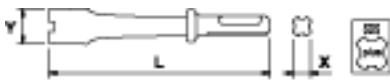
| COD.  | MAT.  | COD.  | MAT.    | X  | Y   | Z   | g    |
|-------|-------|-------|---------|----|-----|-----|------|
| 35570 | Cu-Be | 35571 | Al-Bron | 28 | 150 | 350 | 3200 |



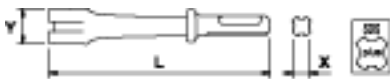
| COD.  | MAT.  | COD.  | MAT.    | L (mm) | X  | O.D. mm | g   |
|-------|-------|-------|---------|--------|----|---------|-----|
| 35572 | Cu-Be | 35573 | Al-Bron | 125    | 10 | 12      | 120 |
| 35574 |       | 35575 |         | 175    |    |         | 170 |



| 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 |



| 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 |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

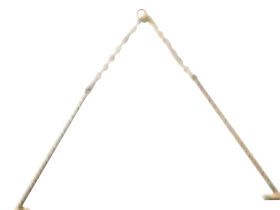
■ PUNZÓN / AWL / POINÇON / AHLE / PUNZONE / PUNÇÃO / ШИЛО

| COD.  | MAT.  | COD.  | MAT.    | L (mm)    |  |  |
|-------|-------|-------|---------|-----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 74225 | Cu-Be | 74226 | Al-Bron | 100 x 200 | 3                                                                                 | 50                                                                                 |



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

| COD.  | MAT.  | COD.  | MAT.    |  | CAP. (kg) |  |
|-------|-------|-------|---------|-----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|
| 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) |  |
|-------|-------|-------|---------|------------|-----------------------------------------------------------------------------------|
| 71562 | Cu-Be | 71566 | Al-Bron | 60 x 185   | 1,5                                                                               |
| 71563 |       | 71567 |         | 100 x 225  | 2,6                                                                               |
| 71564 |       | 71568 |         | 150 x 180  | 2,6                                                                               |
| 71565 |       | 71569 |         | 125 x 225  | 1,2                                                                               |



| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |
|-------|-------|-------|---------|----------|------------------------------------------------------------------------------------|
| 73759 | Cu-Be | 73760 | Al-Bron | 95 x 480 | 650                                                                                |



| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|
| 72155 | Cu-Be | 72156 | Al-Bron | 50 x 900 | 650                                                                                 |



| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|
| 73744 | Cu-Be | 73745 | Al-Bron | 50 x 900 | 650                                                                                 |



| COD.  | MAT.  | COD.  | MAT.    | L (mm)    |  |
|-------|-------|-------|---------|-----------|-------------------------------------------------------------------------------------|
| 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)   |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|
| 72167 | Cu-Be | 72168 | Al-Bron | 40 x 270 | 350                                                                                 |



| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|
| 73747 | Cu-Be | 73749 | Al-Bron | 48 x 300 | 400                                                                                 |



| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |
|-------|-------|-------|---------|----------|-------------------------------------------------------------------------------------|
| 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)    |  |
|-------|-------|-------|---------|-----------|-------------------------------------------------------------------------------------|
| 73765 | Cu-Be | 73766 | Al-Bron | 50 x 190  | 400                                                                                 |
| 73767 |       | 73768 |         | 100 x 210 | 650                                                                                 |
| 73769 |       | 73770 |         | 150 x 220 | 800                                                                                 |



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

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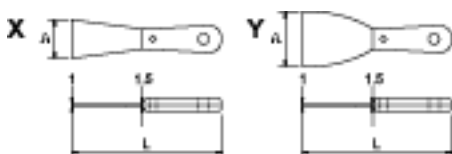
ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ **RASQUETA PLANA / FLAT SCRAPER / GRATTOIR PLAT / FLACHSCHABER / RASCHIETTO PIATTO / RASPADOR PLANO / ЛОСКИЙ СКРЕБОК**

| COD.  | MAT.  | COD.  | MAT.    | L (mm)   |  |
|-------|-------|-------|---------|----------|-----------------------------------------------------------------------------------|
| 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.    | A (mm) | L (mm) |  |
|-------|-------|-------|---------|--------|--------|-------------------------------------------------------------------------------------|
| 70471 | Cu-Be | 71621 | Al-Bron | 25     | 200    | 85                                                                                  |
| 70472 |       | 71622 |         | 30     |        | 95                                                                                  |
| 70473 |       | 71623 |         | 40     |        | 105                                                                                 |
| 70474 |       | 71624 |         | 50     |        | 115                                                                                 |
| 70475 |       | 71625 |         | 60     |        |                                                                                     |
| 70476 |       | 71626 |         | 75     | Y      | 135                                                                                 |
| 70477 |       | 71627 |         | 80     |        | 150                                                                                 |
| 70478 |       | 71628 |         | 100    |        |                                                                                     |



N!

| COD.  | MAT.  | COD.  | MAT.    | A (mm) | L (mm) |  |
|-------|-------|-------|---------|--------|--------|---------------------------------------------------------------------------------------|
| 36030 | Cu-Be | 36031 | Al-Bron | 25     | 200    | 100                                                                                   |
| 36032 |       | 36033 |         | 30     |        | 110                                                                                   |
| 36034 |       | 36035 |         | 40     |        | 120                                                                                   |
| 36036 |       | 36037 |         | 50     |        | 130                                                                                   |
| 36038 |       | 36039 |         | 60     |        | 140                                                                                   |
| 36040 |       | 36041 |         | 75     | Y      | 180                                                                                   |
| 36042 |       | 36043 |         | 80     |        | 190                                                                                   |
| 36044 |       | 36045 |         | 100    |        | 220                                                                                   |



■ **ESPÁTULA DE HOJA FLEXIBLE / FLEXIBLE BLADE SCRAPER / SPATULE À LÂME SOUPLE / SCHABER MIT FLEXIBLES BLATT / SPATOLA FLESSIBILE / ESPÁTULA DE FOLHA FLÉXIVEL / ШПАТЕЛЬ**

| COD.  | MAT.  | COD.  | MAT.    | A (mm) | L (mm) |  |
|-------|-------|-------|---------|--------|--------|---------------------------------------------------------------------------------------|
| 35730 | Cu-Be | 35731 | Al-Bron | 25     | 200    | 85                                                                                    |
| 35732 |       | 35733 |         | 30     |        | 95                                                                                    |
| 35734 |       | 35735 |         | 40     |        | 105                                                                                   |
| 35736 |       | 35737 |         | 50     |        | 115                                                                                   |
| 35738 |       | 35739 |         | 60     |        |                                                                                       |
| 35740 |       | 35741 |         | 75     | Y      | 135                                                                                   |
| 35742 |       | 35743 |         | 80     |        | 150                                                                                   |
| 35744 |       | 35745 |         | 100    |        |                                                                                       |



N!

| COD.  | MAT.  | COD.  | MAT.    | A (mm) | L (mm) |  |
|-------|-------|-------|---------|--------|--------|---------------------------------------------------------------------------------------|
| 36046 | Cu-Be | 36047 | Al-Bron | 25     | 200    | 100                                                                                   |
| 36048 |       | 36049 |         | 30     |        | 110                                                                                   |
| 36050 |       | 36051 |         | 40     |        | 120                                                                                   |
| 36052 |       | 36053 |         | 50     |        | 130                                                                                   |
| 36054 |       | 36055 |         | 60     |        | 140                                                                                   |
| 36056 |       | 36057 |         | 75     | Y      | 180                                                                                   |
| 36058 |       | 36059 |         | 80     |        | 190                                                                                   |
| 36060 |       | 36061 |         | 100    |        | 220                                                                                   |



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

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ANTICHISPA  
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ИСКРОБЕЗОПАСНЫЙ

**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 | 360    | 255     | 250 |



| COD.  | MAT.  | COD.  | MAT.    | L (mm)    | g    |
|-------|-------|-------|---------|-----------|------|
| 73775 | Cu-Be | 73776 | Al-Bron | 150 x 470 | 1000 |

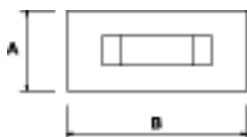


**PICO Y RASQUETA / SCRAPER PICK AND SCALER / PIQUE ET RACLETTE / REINIGUNGSWERKZEUG / PICCONE E RASCHIETTI / BICO E PÁ / СКАЛЫВАЮЩИЙ СКРЕБОК**

| 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) | g   | B (mm) |
|-------|-------|-------|---------|--------|-----|--------|
| 36070 | Cu-Be | 36071 | Al-Bron | 150    | 850 | 300    |



**CUBO / BUCKET / SEAU / EIMER / SECCHIO / BALDE / ВЕДРО**

| COD.  | MAT.  | L (mm) | g    | O.D. mm |
|-------|-------|--------|------|---------|
| 72486 | Cu-Be | 250    | 1500 | 270     |



**CUCHARA RECOGEDORA DE AZÚCAR / SUGAR SCOOP / CUIILLÈRE À SUCRE / SCHÖPFSCHAUFEL / RACCOGLITORE DI ZUCCHERI / COLHER PARA AÇÚCAR / КОВШ**

| COD.  | MAT.  | L (mm) | Ø 1 (mm) | Ø 2 (mm) | H (mm) | g   |
|-------|-------|--------|----------|----------|--------|-----|
| 72487 | Cu-Be | 150    | 70       | 45       | 40     | 87  |
| 72488 |       | 200    | 120      | 100      | 75     | 118 |
| 72489 |       | 270    | 140      | 120      | 80     | 149 |
| 74620 |       | 350    | 160      | 135      | 90     | 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 Алюминий Бронза

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



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



■ 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 MANULE / 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 / RECIPIENTE / CONCHA / КОвш

| COD.  | MAT.  | L (mm) |  O.D. mm |  g |
|-------|-------|--------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 74245 | Cu-Be | 350    | 85                                                                                          | 200                                                                                   |



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

36

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FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ PLOMADA / LINER / PLOMB / SCHLAGSCHNURROLLER / GESSO TRACCIATORE / LINHAS DE TRAÇAR / OTBEC

| COD.  | MAT.  | COD.  | MAT.    | L (mm) |  |  |
|-------|-------|-------|---------|--------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 72454 | Cu-Be | 72455 | Al-Bron | 60     | 50                                                                                | 250                                                                                |



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

| COD.  | MAT.  | COD.  | MAT.    | CAP. (kg) | CAP. (m) |  |
|-------|-------|-------|---------|-----------|----------|------------------------------------------------------------------------------------|
| 71638 | Cu-Be | 71642 | Al-Bron | 500       | 3        | 14                                                                                 |
| 71639 |       | 71643 |         | 1000      |          |                                                                                    |
| 71640 |       | 71644 |         | 2000      |          |                                                                                    |
| 71641 |       | 71645 |         | 3000      |          |                                                                                    |
| 72141 |       | 72142 |         | 5000      |          |                                                                                    |

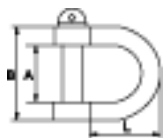


■ CARRO PARA POLEA / TROLLEY FOR CHAIN HOIST / CHARIOT POUR PALAN / WAREN FÜR KETTENHUB / CARRELLO PER PULEGIA / CARRO PARA DIFFERENCIAL / ТЕЛЕЖКА ДЛЯ ЦЕПНЫХ ТАЛЕЙ

| COD.  | MAT.  | COD.  | MAT.    | CAP. (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                                                                                 |



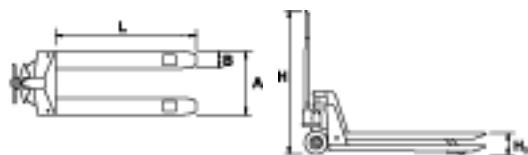
■ GRILLETE / SHACKLE / MANILLE / SCHÄKEL / GRILLI / MANILHA / РЫМ



| COD.  | MAT.  | COD.  | MAT.    |  | A (mm) | B (mm) | L  |  |
|-------|-------|-------|---------|-------------------------------------------------------------------------------------|--------|--------|----|---------------------------------------------------------------------------------------|
| 73429 | Cu-Be | 73424 | Al-Bron | 1200                                                                                | 30     | 50     | 55 | 170                                                                                   |



■ TRANSPAleta HIDRÁULICA / HYDRAULIC PALLET TRUCK / TRANSPALETTE HYDRAULIQUE / HYDRAULISCHER HUBWAGEN / TRASPALLET IDRAULICO / PORTA-PALETES HIDRÁULICO / ГИДРАВЛИЧЕСКАЯ ТЕЛЕЖКА



| COD.  | MAT.  | COD.  | MAT.    | CAP. (kg) | L    | A (mm) | B (mm) | H (mm) | H2 (mm) |  |
|-------|-------|-------|---------|-----------|------|--------|--------|--------|---------|---------------------------------------------------------------------------------------|
| 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

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

| COD.  | MAT.    | CAP. (kg) | H (mm)  |  |
|-------|---------|-----------|---------|------------------------------------------------------------------------------------|
| 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) |  |
|-------|----------------------------|--------|-----------------------------------------------------------------------------------|
| 70479 | 3                          | 280    | 170                                                                               |
| 70480 | 4                          |        | 200                                                                               |
| 70481 | 5                          |        | 220                                                                               |



CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Latón / Brass / Laiton

| COD.  | N.º filas / Rows / Rangées | L (mm) |  |
|-------|----------------------------|--------|-----------------------------------------------------------------------------------|
| 71632 | 5                          | 180    | 200                                                                               |



CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Latón / Brass / Laiton

| COD.  | N.º filas / Rows / Rangées | L (mm) |  |
|-------|----------------------------|--------|-------------------------------------------------------------------------------------|
| 72739 | 3                          | 350    | 150                                                                                 |



CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Latón / Brass / Laiton

| COD.  | N.º filas / Rows / Rangées | L (mm) |  |
|-------|----------------------------|--------|-------------------------------------------------------------------------------------|
| 73419 | 6                          | 215    | 60                                                                                  |
| 72526 | 4                          | 290    | 170                                                                                 |



CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Latón / Brass / Laiton

| COD.  | N.º filas / Rows / Rangées | MAT.                   | L (mm) |  |  |
|-------|----------------------------|------------------------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 61581 | 4                          | Latón / Brass / Laiton | 280    | 120                                                                                 | 3                                                                                     |



| COD.  |  I.D. mm |  O.D. mm |  |
|-------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 71634 | 22,2                                                                                        | 150                                                                                         | 700                                                                                 |
| 73426 | 32                                                                                          | 200                                                                                         | 1000                                                                                |



CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Latón / Brass / Laiton

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

36

ANTICHISPA  
NON-SPARKING  
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ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ



| 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 / Broses antistatiques



#### PICOS / PICKS / PIC / 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) | H (mm) | B (mm) |  Kg |
|-------|-------|-------|---------|--------|--------|--------|------------------------------------------------------------------------------------------|
| 72151 | Cu-Be | 72152 | Al-Bron | 340    | 145    | 98     | 1,3                                                                                      |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ **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 |



| 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 |



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



| COD.  | MAT.      | COD.  | MAT. | L (mm) | g    |
|-------|-----------|-------|------|--------|------|
| 36001 | Lat/Brass | 36007 | Cu   | 280    | 230  |
| 36002 |           | 36008 |      | 310    | 340  |
| 36003 |           | 36009 |      | 340    | 450  |
| 36004 |           | 36010 |      | 350    | 680  |
| 36005 |           | 36011 |      | 400    | 910  |
| 36006 |           | 36012 |      | 400    | 1130 |



■ **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 | 310    | 500 |
| 70493 |       | 71748 |         | 350    | 900 |



| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g   |
|-------|-------|-------|---------|--------|-----|
| 35941 | Cu-Be | 35943 | Al-Bron | 310    | 500 |
| 35942 |       | 35944 |         | 350    | 900 |



■ **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 |         | 300    | 200  |
| 70496 |       | 71751 |         | 300    | 300  |
| 70497 |       | 71752 |         | 310    | 500  |
| 70498 |       | 71753 |         | 310    | 800  |
| 70499 |       | 71754 |         | 340    | 1000 |
| 70500 |       | 71755 |         | 400    | 1500 |
| 70501 |       | 71756 |         | 450    | 2000 |



**Cu-Be** Cobre berilio / Beryllium copper / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий  
**Al-Bron** Aluminio bronze / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Аллюминий Бронза  
**Lat/Brass** Latón / Brass / Laiton / Messing / Ottone / Latão / БРОНЗА  
**Cu** Cobre / Copper / Cuivre / Kupfer / Rame / Cobre / МЕДНАЯ

36

**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g    |
|-------|-------|-------|---------|--------|------|
| 35945 | Cu-Be | 35953 | Al-Bron | 300    | 100  |
| 35946 |       | 35954 |         |        | 200  |
| 35947 |       | 35955 |         |        | 300  |
| 35948 |       | 35956 |         | 310    | 500  |
| 35949 |       | 35957 |         |        | 800  |
| 35950 |       | 35958 |         |        | 1000 |
| 35951 |       | 35959 |         | 400    | 1500 |
| 35952 |       | 35960 |         | 450    | 2000 |



■ **MACETA OCTOGONAL / SLEDGE HAMMER / 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   |
| 70503 |       | 71758 |         |        | 1,5 |
| 70504 |       | 71759 |         |        | 2,0 |
| 70505 |       | 71760 |         | 900    | 2,5 |
| 70506 |       | 71761 |         |        | 3,0 |
| 70507 |       | 71762 |         |        | 4,5 |
| 70508 |       | 71763 |         |        | 5,0 |
| 70509 |       | 71764 |         |        | 6,8 |
| 70510 |       | 71765 |         |        | 8,0 |
| 72213 |       | 72211 |         |        | 10  |
| 72975 |       | 72974 |         |        | 12  |



N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | Kg  |
|-------|-------|-------|---------|--------|-----|
| 36184 | Cu-Be | 36185 | Al-Bron | 370    | 0,5 |
| 35865 |       | 35882 |         |        | 1   |
| 35866 |       | 35883 |         |        | 1,5 |
| 35867 |       | 35884 |         |        | 2,0 |
| 35868 |       | 35885 |         | 900    | 2,5 |
| 35869 |       | 35886 |         |        | 3,0 |
| 35870 |       | 35887 |         |        | 4,5 |
| 35871 |       | 35888 |         |        | 5,0 |
| 35872 |       | 35889 |         |        | 6,8 |
| 35873 |       | 35890 |         |        | 8,0 |
| 35874 |       | 35891 |         |        | 10  |
| 35875 |       | 35892 |         |        | 12  |



| COD.  | MAT.  | COD.  | MAT.    | L (mm) | lb    |
|-------|-------|-------|---------|--------|-------|
| 35762 | Cu-Be | 35763 | Al-Bron | 380    | 3     |
| 35764 |       | 35765 |         | 840    | 5     |
| 35766 |       | 35767 |         |        | 7.1/2 |
| 35768 |       | 35769 |         |        | 10    |
| 35770 |       | 35771 |         |        | 15    |
| 35772 |       | 35773 |         |        | 18    |



N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | lb    |
|-------|-------|-------|---------|--------|-------|
| 35876 | Cu-Be | 35893 | Al-Bron | 380    | 3     |
| 35877 |       | 35894 |         | 840    | 5     |
| 35878 |       | 35895 |         |        | 7.1/2 |
| 35879 |       | 35896 |         |        | 10    |
| 35880 |       | 35897 |         |        | 15    |
| 35881 |       | 35898 |         |        | 18    |



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

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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



N!

| COD.  | MAT.      | L (mm) | g     |
|-------|-----------|--------|-------|
| 35965 | Lat/Brass | 280    | 300   |
| 35966 |           | 310    | 500   |
| 35967 |           | 400    | 1000  |
| 35968 |           |        | 1500  |
| 35969 |           |        | 2000  |
| 35970 |           |        | 3000  |
| 35971 |           | 900    | 4000  |
| 35972 |           |        | 5000  |
| 35973 |           |        | 7000  |
| 35974 |           |        | 10000 |



| COD.  | MAT. | L (mm) | g     |
|-------|------|--------|-------|
| 72750 | Cu   | 350    | 450   |
| 72751 |      | 400    | 1000  |
| 72752 |      | 900    | 2500  |
| 72753 |      |        | 3600  |
| 72754 |      |        | 4500  |
| 72755 |      |        | 5400  |
| 72756 |      | 900    | 6400  |
| 72757 |      |        | 10000 |



N!

| COD.  | MAT. | L (mm) | g     |
|-------|------|--------|-------|
| 35975 | Cu   | 350    | 450   |
| 35976 |      | 400    | 1000  |
| 35977 |      | 900    | 2500  |
| 35978 |      |        | 3600  |
| 35979 |      |        | 4500  |
| 35980 |      |        | 5400  |
| 35981 |      | 900    | 6400  |
| 35982 |      |        | 10000 |



**MACETA CUADRADA TIPO ALEMÁN / GERMAN TYPE STONING HAMMER / 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   |
| 70512 |       | 71767 |         |        | 1,5 |
| 70513 |       | 71768 |         |        | 2   |
| 70514 |       | 71769 |         | 900    | 2,5 |
| 70515 |       | 71770 |         |        | 3   |
| 72098 |       | 72099 |         |        | 3,5 |



**Cu-Be** Cobre berilio / Beryllium copper / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий  
**Al-Bron** Aluminio bronce / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Алюминий Бронза  
**Lat/Brass** Latón / Brass / Laiton / Messing / Ottone / Latão / БРОНЗА  
**Cu** Cobre / Copper / Cuivre / Kupfer / Rame / Cobre / МЕДНАЯ

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | Kg  |
|-------|-------|-------|---------|--------|-----|
| 35899 | Cu-Be | 35905 | Al-Bron | 400    | 1   |
| 35900 |       | 35906 |         |        | 1,5 |
| 35901 |       | 35907 |         |        | 2   |
| 35902 |       | 35908 |         | 900    | 2,5 |
| 35903 |       | 35909 |         |        | 3   |
| 35904 |       | 35910 |         |        | 3,5 |



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



N!

| COD.  | MAT.      | COD.  | MAT. | L (mm) | g    |
|-------|-----------|-------|------|--------|------|
| 35983 | Lat/Brass | 35992 | Cu   | 350    | 500  |
| 35984 |           | 35993 |      |        | 1000 |
| 35985 |           | 35994 |      | 400    | 1500 |
| 35986 |           | 35995 |      |        | 1800 |
| 35987 |           | 35996 |      |        | 2000 |
| 35988 |           | 35997 |      | 900    | 2700 |
| 35989 |           | 35998 |      |        | 3600 |
| 35990 |           | 35999 |      |        | 4000 |
| 35991 |           | 36000 |      |        | 5000 |



**MARTILLO DE CORTE / CUT-OFF HAMMER / MARTEAU DE COUPE / SCHNEIDHAMMER / MARTELO 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 |



N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | Kg  |
|-------|-------|-------|---------|--------|-----|
| 35961 | Cu-Be | 35963 | Al-Bron | 400    | 1,3 |
| 35962 |       | 35964 |         |        | 2,1 |



**PICO DE CALDERERO / CHIPPING HAMMER / PIC 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 |



**Cu-Be** Cobre berilio / Beryllium copper / Cuivre beryllium / Kupfer beryllium / Koper beryllium / Rame-berillio / Сплав Медь Бериллий  
**Al-Bron** Aluminio bronze / Aluminium bronze / Alliage aluminium-bronze / Alliage aluminium-bronze / Aluminium brons / Aluminio bronzo / Сплав Алюминий Бронза  
**Lat/Brass** Latón / Brass / Laiton / Messing / Ottone / Latão / БРОНЗА  
**Cu** Cobre / Copper / Cuivre / Kupfer / Rame / Cobre / МЕДНАЯ

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g   |
|-------|-------|-------|---------|--------|-----|
| 35911 | Cu-Be | 35915 | Al-Bron | 280    | 200 |
| 35912 |       | 35916 |         | 355    | 400 |
| 35913 |       | 35917 |         |        | 600 |
| 35914 |       | 35918 |         | 400    | 900 |



■ MARTILLO PARA PIEDRA / STONE WEDGE / MARTEAU PLAT / MAURERHAMMER / MARTELO PER PIETRE / MARTELO PARA PEDRA / МОЛОТОК КАМЕНЩИКА

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | Kg |
|-------|-------|-------|---------|--------|----|
| 70522 | Cu-Be | 71777 | Al-Bron | 400    | 1  |



N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | Kg |
|-------|-------|-------|---------|--------|----|
| 35919 | Cu-Be | 35920 | Al-Bron | 400    | 1  |



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

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g   |
|-------|-------|-------|---------|--------|-----|
| 70523 | Cu-Be | 71778 | Al-Bron | 340    | 600 |
| 70524 |       | 71779 |         |        | 800 |



N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g   |
|-------|-------|-------|---------|--------|-----|
| 35921 | Cu-Be | 35923 | Al-Bron | 340    | 600 |
| 35922 |       | 35924 |         |        | 800 |



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

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g   |
|-------|-------|-------|---------|--------|-----|
| 70525 | Cu-Be | 71780 | Al-Bron | 275    | 500 |
| 70526 |       | 71781 |         | 338    | 700 |



N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g   |
|-------|-------|-------|---------|--------|-----|
| 35925 | Cu-Be | 35927 | Al-Bron | 275    | 500 |
| 35926 |       | 35928 |         | 338    | 700 |



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

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g    | o.d. mm |
|-------|-------|-------|---------|--------|------|---------|
| 70527 | Cu-Be | 71782 | Al-Bron | 340    | 800  | 50      |
| 73473 |       | 73393 |         | 400    | 1000 | 55      |



N!

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g    | o.d. mm |
|-------|-------|-------|---------|--------|------|---------|
| 35929 | Cu-Be | 35931 | Al-Bron | 340    | 800  | 50      |
| 35930 |       | 35932 |         | 400    | 1000 | 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 Алюминий Бронза

36

ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

■ MARTILLO DE TESTEO / TESTING HAMMER / MARTEAU DE TEST / PRÜFHAMMER / MARTELLO DA TEST / MARTELO DE TESTES / ПРОВЕРОЧНЫЙ МОЛОТОК

| COD.  | MAT.  | COD.  | MAT.    | L (mm) | g   |
|-------|-------|-------|---------|--------|-----|
| 75211 | Cu-Be | 75212 | Al-Bron | 390    | 125 |
| 75214 |       | 75213 |         | 420    | 250 |



■ MAZA TIPO TAMBOR / DRUM TYPE STONING HAMMER / MASSETTE CONIQUE / LEICHMETALLHAMMER / MAZZA TIPO A TAMBORO / 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 |



■ 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 |



| COD.  | MAT.      | L (mm) | g   |
|-------|-----------|--------|-----|
| 36013 | Lat/Brass | 330    | 205 |
| 36014 |           | 350    | 370 |



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

| COD.  | MAT.      | L (mm) | g    |
|-------|-----------|--------|------|
| 72796 | Lat/Brass | 900    | 4500 |
| 72797 |           |        | 5400 |
| 72798 |           |        | 7650 |



| COD.  | MAT.      | L (mm) | g    |
|-------|-----------|--------|------|
| 36015 | Lat/Brass | 900    | 4500 |
| 36016 |           |        | 5400 |
| 36017 |           |        | 7650 |



■ 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 |



**Cu-Be** 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 Алюминий Бронза  
**Lat/Brass** Latón / Brass / Laiton / Messing / Ottone / Latao / БРОНЗА  
**Cu** Cobre / Copper / Cuivre / Kupfer / Rame / Cobre / МЕДНАЯ

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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

N!

| COD.  | MAT. | L (mm) |  g |
|-------|------|--------|-------------------------------------------------------------------------------------|
| 36018 | Cu   | 350    | 1350                                                                                |



■ 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                      | I |
| Con cierres en zamak / Zinc alloy lockers / Casiers en alliage de zinc | I |



| 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                      | I |
| Con cierres en zamak / Zinc alloy lockers / Casiers en alliage de zinc | I |

**Cu-Be** 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 Алюминий Бронза  
**Cu** Cobre / Copper / Cuivre / Kupfer / Rame / Cobre / МЕДНАЯ

**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.    |  |
|-------|------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|
| 74386 | 8    | 51056                                                                             | Cu-Be   | 7,5                                                                               |
| 74387 |      |                                                                                   | Al-Bron |                                                                                   |

| PCS./UN.     | COD. PCS.                       | Descripción / Description / Description   |
|--------------|---------------------------------|-------------------------------------------|
| 1            | 71624                           | Espátula / Scraper                        |
|              | 71628                           | 100 x 200 mm                              |
|              | 72162                           | Raspador plano / Flat scraper             |
|              | 73399                           | 30 x 200 mm                               |
|              | 73786                           | Rasqueta triangular / Triangular scraper  |
|              | 73786                           | 360 mm                                    |
|              | 73786                           | Pico y rasqueta / Scraper pick and scaler |
|              | 73786                           | 75 x 450 mm                               |
|              | 71566                           | Rasqueta / Scraper                        |
| 73768        | 60 x 185 mm                     |                                           |
| 73768        | Raspador curvo / Arched scraper |                                           |
| 100 x 210 mm |                                 |                                           |
| 61581        | Cepillos / Brushes              | 4 x 16 x 240 mm                           |
| 51056        |                                 |                                           |



15 PCS.

| COD.     | PCS.      |  | MAT.    |  |                 |
|----------|-----------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|-----------------|
| 74382    | 15        | 51056                                                                             | Cu-Be   | 11                                                                                |                 |
| 74383    |           |                                                                                   | Al-Bron |                                                                                   |                 |
| PCS./UN. | COD. PCS. | Descripción / Description / Description                                           |         |                                                                                   |                 |
| 1        | 71624     | Espátula / Scraper                                                                |         |                                                                                   | 50 mm           |
|          | 70541     | Tenazas Pico Loro / Groove joint pincers                                          |         |                                                                                   | 12"             |
|          | 72459     | Tijeras de hojalatero / Tin snips                                                 |         |                                                                                   | 300 mm          |
|          | 71452     | Llaves ajustables / Adjustable wrenches                                           |         |                                                                                   | 8"              |
|          | 71454     |                                                                                   |         |                                                                                   | 12"             |
|          | 72453     | Llave taponadora universal / Multi-head bung wrench                               |         |                                                                                   | -               |
|          | 70532     | Alicate universal / Combination pliers                                            |         |                                                                                   | 200 mm          |
|          | 70536     | Alicate telefonista / Long nose plier                                             |         |                                                                                   |                 |
|          | 71781     | Martillo de uña / Claw hammer                                                     |         |                                                                                   | 338 mm          |
|          | 61581     | Cepillos / Brushes                                                                |         |                                                                                   | 4 x 16 x 240 mm |
|          | 71614     | Cuchillos / Knives                                                                |         |                                                                                   | 250 mm          |
|          | 73749     | Raspador / Scraper                                                                |         |                                                                                   | 48 x 300 mm     |
|          | 71601     | Destornillador Philips PH3                                                        |         |                                                                                   |                 |
|          | 71592     | Destornillador electricista / Electrician screwdriver                             |         |                                                                                   | 8 x 150 mm      |
|          | 71461     | Llave Heavy Duty / Heavy Duty pipe wrench                                         |         |                                                                                   | 14"             |



16 PCS.

| COD.  | PCS. |  | MAT.    |  |
|-------|------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|
| 74896 | 16   | 51056                                                                               | Cu-Be   | 11                                                                                  |
| 74897 |      |                                                                                     | Al-Bron |                                                                                     |

| PCS./UN. | COD. PCS. | Descripción / Description / Description                          |
|----------|-----------|------------------------------------------------------------------|
| 1        | 71624     | Espátula / Scraper 50 mm                                         |
|          | 70541     | Tenazas Pico Loro / Groove joint pincers 12"                     |
|          | 72459     | Tijeras de hojalatero / Tin snips 300 mm                         |
|          | 71452     | Llaves ajustables / Adjustable wrenches 8"                       |
|          | 71454     |                                                                  |
|          | 72453     | Llave taponadora universal / Multi-head bung wrench -            |
|          | 70532     | Alicate universal / Combination pliers 200 mm                    |
|          | 70536     | Alicate telefonista / Long nose plier                            |
|          | 71781     | Martillo de uña / Claw hammer 338 mm                             |
|          | 61581     | Cepillos / Brushes 4 x 16 x 240 mm                               |
|          | 71614     | Cuchillos / Knives 250 mm                                        |
|          | 73749     | Raspador / Scraper 48 x 300 mm                                   |
|          | 71601     | Destornillador Philips / Philips screwdriver PH3                 |
|          | 71592     | Destornillador electricista / Electrician screwdriver 8 x 150 mm |
|          | 71461     | Llave Heavy Duty / Heavy Duty pipe wrench 14"                    |
|          | 79596     | 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

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**ANTICHISPA**  
**NON-SPARKING**  
**ANTIDÉFLAGRANT**  
**FUNKENFREI**  
**ANTISCINTILLA**  
**ANTI-DEFLAGRANTE**  
**ИСКРОБЕЗОПАСНЫЙ**

## 17 PCS.

| COD.         | PCS. |  | MAT.    |  |
|--------------|------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|
| <b>74388</b> | 17   | 51056                                                                             | Cu-Be   | 5,0                                                                               |
| <b>74389</b> |      |                                                                                   | Al-Bron |                                                                                   |

| PCS./UN. | COD. PCS. | Descripción / Description / Description            |            |
|----------|-----------|----------------------------------------------------|------------|
| 1        | 70534     | Alicate boca redonda / Round nose plier            | 160 mm     |
|          | 70533     | Alicate boca plana / Flat nose plier               |            |
|          | 70537     | Alicate corte diagonal / Diagonal cutting plier    |            |
|          | 70530     | Alicate universal / Combination pliers             |            |
|          | 70547     | Pinza boca fina / Neat tip tweezer                 | -          |
|          | 73904     | Pelacables / Wirestripper                          | 170 mm     |
|          | 71451     | Llaves ajustables / Adjustable wrenches            | 6"         |
|          | 72281     |                                                    | 3 x 75 mm  |
|          | 72284     | Destornillador mecánico / Slotted screwdriver      | 4 x 100 mm |
|          | 72288     |                                                    | 6 x 150 mm |
|          | 72910     | Destornillador Philips / Philips screwdriver       | PH0        |
|          | 71599     | Destornillador philips / Philips screwdriver       | PH1        |
|          | 70410     |                                                    | 3 mm, *    |
|          | 70411     | Llave hexagonal de bola / Ballpoint hexagonal keys | 4 mm, *    |
|          | 70412     |                                                    | 5 mm, *    |
|          | 71614     | Cuchillos / Knives                                 | 250 mm     |
|          | 70546     | Tijeras / Scissors                                 | 225 mm     |

Cu-Be : Cu-Be

Cu-Be : Cu-Be

Cu-Be : Cu-Be



| COD.         | PCS. |  | MAT.    |  |
|--------------|------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|
| <b>74390</b> | 17   | 51055                                                                               | Cu-Be   | 23                                                                                  |
| <b>74391</b> |      |                                                                                     | Al-Bron |                                                                                     |

| PCS./UN. | COD. PCS. | Descripción / Description / Description    |              |
|----------|-----------|--------------------------------------------|--------------|
| 1        | 71577     | Barra de desencofrar / Wrecking bar        | 19 x 900 mm  |
|          | 71453     |                                            | 10"          |
|          | 71454     | Llaves ajustables / Adjustable wrenches    | 12"          |
|          | 71455     |                                            | 15"          |
|          | 71744     | Martillo de bola / Ball pein hammer        | 310 mm       |
|          | 71746     |                                            | 350 mm       |
|          | 71774     | Pico de calderero / Chipping hammer        | 355 mm       |
|          | 71760     | Maceta octogonal / Sledge hammer           | 900 mm       |
|          | 73749     | Raspador / Scraper                         | 48 x 300 mm  |
|          | 73768     | Raspador curvo / Arched scraper            | 100 x 210 mm |
|          | 72293     |                                            | 10 x 200 mm  |
|          | 72294     | Destornillador / Screwdriver               | 10 x 300 mm  |
|          | 73816     | Cortafrios hexagonal / Hexagonal chisel    | 18 x 160 mm  |
|          | 73799     | Cortafrios cilíndrico / Cylindrical chisel | 24 x 250 mm  |
|          | 71458     |                                            | 8"           |
|          | 71459     | Llave Heavy Duty / Heavy Duty pipe wrench  | 10"          |
|          | 71461     |                                            | 14"          |



## 20 PCS.

| COD.         | PCS. |  | MAT.    |  |
|--------------|------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|
| <b>74380</b> | 20   | 51056                                                                               | Cu-Be   | 9,5                                                                                 |
| <b>74381</b> |      |                                                                                     | 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./UN. | COD. PCS. | Descripción / Description / Description               |                 |
|----------|-----------|-------------------------------------------------------|-----------------|
|          | 71461     | Llave Heavy Duty / Heavy Duty pipe wrench             | 14"             |
|          | 70686     |                                                       | 10 mm           |
|          | 70687     |                                                       | 11 mm           |
|          | 70688     |                                                       | 12 mm           |
|          | 70689     |                                                       | 13 mm           |
|          | 70690     | Llaves combinadas / Combination wrenches              | 14 mm           |
|          | 70693     |                                                       | 17 mm           |
|          | 70695     |                                                       | 19 mm           |
|          | 70698     |                                                       | 22 mm           |
| 1        | 71600     | Destornillador Philips / Philips screwdriver          | PH2             |
|          | 71592     | Destornillador electricista / Electrician screwdriver | 8 x 150         |
|          | 71453     | Llaves ajustables / Adjustable wrenches               | 10"             |
|          | 70532     | Alicate universal / Combination pliers                | 200 mm          |
|          | 70536     | Alicate telefonista / Long nose plier                 |                 |
|          | 71781     | Martillo de uña / Claw hammer                         | 338 mm          |
|          | 61581     | Cepillos / Brushes                                    | 4 x 16 x 240 mm |
|          | 73749     | Raspador / Scraper                                    | 48 x 300 mm     |
|          | 71622     | Espátula / Scraper                                    | 30 mm x 200 mm  |
|          | 71614     | Cuchillos / Knives                                    | 250 mm          |
|          | 70540     | Tenazas Pico Loro / Groove joint pincers              | 10"             |

### 37 PCS.

| COD.  | PCS. |       | MAT.    | Kg |
|-------|------|-------|---------|----|
| 74384 | 37   | 51056 | Cu-Be   | 14 |
| 74385 |      |       | Al-Bron |    |

| PCS./UN. | COD. PCS. | Descripción / Description / Description               |                 |
|----------|-----------|-------------------------------------------------------|-----------------|
|          | 70686     |                                                       | 10 mm           |
|          | 70687     |                                                       | 11 mm           |
|          | 70688     |                                                       | 12 mm           |
|          | 70689     |                                                       | 13 mm           |
|          | 70690     | Llaves combinadas / Combination wrenches              | 14 mm           |
|          | 70691     |                                                       | 15 mm           |
|          | 70693     |                                                       | 17 mm           |
|          | 70695     |                                                       | 19 mm           |
|          | 70698     |                                                       | 22 mm           |
|          | 70700     |                                                       | 24 mm           |
|          | 70540     | Tenazas Pico Loro / Groove joint pincers              | 10"             |
|          | 71614     | Cuchillos / Knives                                    | 250 mm          |
|          | 71624     | Espátula / Scraper                                    | 50 mm           |
|          | 61581     | Cepillos / Brushes                                    | 4 x 16 x 240 mm |
|          | 71287     |                                                       | 2 mm            |
|          | 71288     |                                                       | 3 mm            |
| 1        | 71289     |                                                       | 4 mm            |
|          | 71290     | Llave hexagonal / Hex pipe wrench                     | 5 mm            |
|          | 71291     |                                                       | 6 mm            |
|          | 71293     |                                                       | 8 mm            |
|          | 71295     |                                                       | 10 mm           |
|          | 70532     | Alicate universal / Combination pliers                | 200 mm          |
|          | 70537     | Alicate de corte diagonal / Diagonal cutting plier    | 160 mm          |
|          | 71466     | Llave sueca / Swedish pipe wrench                     | 45° 1.1/2"      |
|          | 71453     | Llaves ajustables / Adjustable wrenches               | 10"             |
|          | 71454     |                                                       | 12"             |
|          | 71752     | Martillo alemán / German type machinist's hammer      | 310 mm          |
|          | 71768     | Maceta cuadrada / Stoning hammer                      | 2 Kg (400 mm)   |
|          | 72308     |                                                       | 5 x 100 mm      |
|          | 71592     | Destornillador electricista / Electrician screwdriver | 8 x 150 mm      |
|          | 71599     |                                                       | PH1             |
|          | 71601     | Destornillador Philips / Philips screwdriver          | PH3             |
|          | 73797     | Cortafrio cilíndrico / Cylindrical chisel             | 20 x 200 mm     |



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**ANTISCINTILLA**  
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**ИСКРОБЕЗОПАСНЫЙ**

| PCS./UN. | COD. PCS. | Descripción / Description / Description |                   |
|----------|-----------|-----------------------------------------|-------------------|
| 1        | 73781     | Cinzel en punta / Cross cutting chisel  | 200 mm            |
|          | 71475     | Botador / Pin punch                     | 5 mm, 150 x 10 mm |
|          | 71480     |                                         | 10 mm, 150 x 14   |
|          | 70546     | Tijeras / Scissors                      | 225 mm            |

### 38 PCS.

| COD.         | PCS. |  | MAT.    |  Kg |
|--------------|------|-----------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|
| <b>74898</b> | 38   | 51056                                                                             | Cu-Be   | 14                                                                                   |
| <b>74899</b> |      |                                                                                   | Al-Bron |                                                                                      |

| PCS./UN. | COD. PCS. | Descripción / Description / Description               |                    |
|----------|-----------|-------------------------------------------------------|--------------------|
| 1        | 70686     | Llaves combinadas / Combination wrenches              | 10 mm              |
|          | 70687     |                                                       | 11 mm              |
|          | 70688     |                                                       | 12 mm              |
|          | 70689     |                                                       | 13 mm              |
|          | 70690     |                                                       | 14 mm              |
|          | 70691     |                                                       | 15 mm              |
|          | 70693     |                                                       | 17 mm              |
|          | 70695     |                                                       | 19 mm              |
|          | 70698     |                                                       | 22 mm              |
|          | 70700     |                                                       | 24 mm              |
|          | 70540     | Tenazas Pico Loro / Groove joint pincers              | 10"                |
|          | 71614     | Cuchillos / Knives                                    | 250 mm             |
|          | 71624     | Espátula / Scraper                                    | 50 mm              |
|          | 61581     | Cepillos / Brushes                                    | 4 x 16 x 240 mm    |
|          | 71287     | Llave hexagonal / Hex pipe wrench                     | 2 mm               |
|          | 71288     |                                                       | 3 mm               |
|          | 71289     |                                                       | 4 mm               |
|          | 71290     |                                                       | 5 mm               |
|          | 71291     |                                                       | 6 mm               |
|          | 71293     |                                                       | 8 mm               |
|          | 71295     |                                                       | 10 mm              |
|          | 70532     | Alicate universal / Combination pliers                | 200 mm             |
|          | 70537     | Alicate de corte diagonal / Diagonal cutting plier    | 160 mm             |
|          | 71466     | Llave sueca / Swedish pipe wrench                     | 45° 1.1/2"         |
|          | 71453     | Llaves ajustables / Adjustable wrenches               | 10"                |
|          | 71454     |                                                       | 12"                |
|          | 71752     | Martillo alemán / German type machinist's hammer      | 310 mm             |
|          | 71768     | Maceta cuadrada / Stoning hammer                      | 2 Kg (400 mm)      |
|          | 72308     | Destornillador electricista / Electrician screwdriver | 5 x 100 mm         |
|          | 71592     |                                                       | 8 x 150 mm         |
|          | 71599     | Destornillador Philips / Philips screwdriver          | PH1                |
|          | 71601     |                                                       | PH3                |
|          | 73797     | Cortafrio cilíndrico / Cylindrical chisel             | 20 x 200 mm        |
|          | 73781     | Cinzel en punta / Cross cutting chisel                | 200 mm             |
|          | 71475     | Botador / Pin punch                                   | 5 mm, 150 x 10 mm  |
|          | 71480     |                                                       | 10 mm, 150 x 14 mm |
|          | 70546     | Tijeras / Scissors                                    | 225 mm             |
|          | 79596     | 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 Алюминий Бронза

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ACETILEX: ALEACIÓN ACETILEX, TRABAJO SEGURO INCLUSO EN AMBIENTES DE ACETILENO / ACETILEX ALLOY, SAFE WORK EVEN IN ACETYLENE ENVIRONMENTS / ALLIAGE ACETILEX, TRAVAIL SÛR MÊME EN PRÉSENCE D'ACÉTHYLÈNE / 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 ПЕРСТАВНЫЕ ЖЕЛОБКОВЫЕ

| COD.  | L (inch) |  |
|-------|----------|-----------------------------------------------------------------------------------|
| 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) |  |
|-------|----------|-----------------------------------------------------------------------------------|
| 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) |  |  |
|-------|----------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 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 LUNETAS / КОМБИНИРОВАННЫЕ КЛЮЧИ

MM

| COD.  |  | L1 (mm) |  |
|-------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|
| 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                                                                                  |         | 420                                                                                 |
| 72887 | 26                                                                                  | 270     | 440                                                                                 |
| 72888 | 27                                                                                  | 280     | 500                                                                                 |



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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

| COD.  |  | L1 (mm) |  |
|-------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|
| 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.  |  | L (mm) |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|
| 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 / LUNETAS DE IMPACTO / УДАРНЫЙ КЛЮЧ ЗВЕЗДОЧКА

■ MM

| COD.  |  | L (mm) |  |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|
| 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.  |  | L (mm) | H (mm) |  |
|-------|-------------------------------------------------------------------------------------|--------|--------|--------------------------------------------------------------------------------------|
| 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     | 44     | 65                                                                                   |
| 72864 | 10                                                                                  | 110    | 45     | 90                                                                                   |
| 72865 | 11                                                                                  | 119    | 48     | 125                                                                                  |
| 72866 | 12                                                                                  | 130    | 52     | 160                                                                                  |

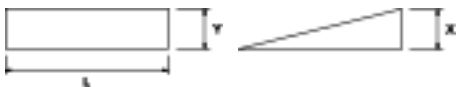
ACETILEX



36

ANTICHISPA  
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ANTISCINTILLA  
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ИСКРОБЕЗОПАСНЫЙ

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



| COD.  | A (mm) | L (mm) | X    | g   |
|-------|--------|--------|------|-----|
| 72851 | 50     | 100    | 10-0 | 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 / ELETTRICISTA / ЭЛЕКТРИЧЕСКАЯ

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

ACETILEX

### PHILIPS

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

ACETILEX

### POZIDRIV®\*

| COD.  |  |  |  | g   |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|
| 72835 | 75                                                                                  | PZ-1                                                                                | 83                                                                                  | 50  |
| 72836 | 100                                                                                 | PZ-2                                                                                | 103                                                                                 | 95  |
| 72837 | 150                                                                                 | PZ-3                                                                                | 112                                                                                 | 160 |

ACETILEX

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

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

| COD.  | L (mm) | g   |
|-------|--------|-----|
| 72838 | 310    | 500 |
| 72839 | 340    | 680 |
| 72840 | 350    | 900 |

ACETILEX



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ANTICHISPA  
NON-SPARKING  
ANTIDÉFLAGRANT  
FUNKENFREI  
ANTISCINTILLA  
ANTI-DEFLAGRANTE  
ИСКРОБЕЗОПАСНЫЙ

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

| COD.  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|
| 72841 | 310    | 500                                                                               |
| 72842 |        | 800                                                                               |
| 72843 | 340    | 1000                                                                              |

ACETILEX



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

| COD.  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|
| 72844 |        | 1000                                                                              |
| 72845 | 400    | 1500                                                                              |
| 72846 |        | 2000                                                                              |
| 72847 |        | 3000                                                                              |
| 72848 | 900    | 4000                                                                              |
| 72849 |        | 5000                                                                              |

ACETILEX



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

| COD.  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|
| 72850 | 280    | 400                                                                               |

ACETILEX



Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
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Ставрополь (8652)20-65-13

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