

**INOX**

HERRAMIENTA INOX  
INOX (STAINLESS STEEL) TOOLS  
OUTILLAGE INOX  
INOX WERKZEUGE  
UTENSILI INOX  
FERRAMENTA INOX  
ИНСТРУМЕНТ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

**41**



**INOX**



# INOX

Un mundo desarrollándose exponencialmente rápido, genera crecientes necesidades en materia de seguridad y aplicaciones de tecnología avanzada.

**EGA Master** ha desarrollado una nueva gama de herramientas de acero inoxidable para proporcionar soluciones a algunas de estas necesidades. Los aceros inoxidables 420\*, 304 y 316 contribuyen a evitar contaminaciones, oxidación y cumplimiento de requisitos de sala blanca.

*A world developing exponentially fast, creates increasing needs on safety and technologically advanced applications.*

*EGA Master has developed a new range of stainless steel tools to provide solutions to some of these needs. 420\*, 304 and 316 stainless steel contribute to avoid contaminations, rusting and complying with clean room environment requirements.*

Le monde en plein développement exponentiel, crée une augmentation des besoins en matière de sécurité et applications de technologie avancées.

**EGA Master** a développé une nouvelle gamme d'outillages en acier inoxydable pour apporter des solutions à certains de ces besoins. Les aciers inoxydables 420\*, 304 et 316 contribuent à éviter la contamination, l'oxydation en respectant les règles ambiantales des milieux extra sain.



\* Los armarios portaherramientas inox están fabricados en acero inoxidable 430.  
*The stainless steel roller cabinets are made of 430 stainless steel.*  
 Les servantes en inox sont fabriquées en acier inoxydable 430.



| Propiedades requeridas<br>Property required<br>Propriétés recommandées                                                                                                                                                                     | Necesarias en<br>Where needed<br>Nécessité dans                                                                                                                                                                                                                                                                                                           | Sectores<br>Sectors<br>Secteurs                                                                                                                 | Porque no acero al carbón<br>Why not carbon steel<br>Pourquoi pas d'acier au carbone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Porque acero inoxidable<br>Why stainless steel<br>Pourquoi acier inoxydable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <p>Tolerancia cero o baja a contaminación y partículas</p> <p><i>Zero or low tolerance to contamination and particles</i></p> <p>Tolérance base ou zéro à la contamination et aux particules</p>                                           | <p>Producción esterilizada en entornos críticos</p> <p><i>Sterile production in critical environments</i></p> <p>Production stérilisée dans des milieux critiques</p>                                                                                                                                                                                     | Laboratorios / <i>Laboratories</i> / Laboratoires                                                                                               | <p>Sólo pueden ser esterilizadas unas pocas decenas de veces, ya que el cromado utilizado para evitar que se oxiden se deteriorará, se descascarillará con el tiempo, contaminando el proceso.</p> <p><i>They can only be sterilized few dozens of times, as the chrome plating used to avoid rust will deteriorate and chip off with time, contaminating the process</i></p> <p>Ne peuvent être stérilisés qu'une dizaine de fois vu que le chromé utilisé évitant l'oxydation se détériore et se déséquilibre avec le temps, contaminant le processus</p>                                          | <p>Los materiales y el acabado utilizados en su producción permiten su esterilización miles de veces.</p> <p><i>Materials and finishing used in their production enables sterilizing them thousands of times</i></p> <p>Les matériaux et la finition utilisés dans sa fabrication lui permettent plus de 1000 stérilisations.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                           | Bioteología y biomedicina<br><i>Biotech and biomedical</i><br>Biotechnologie et biomedical                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                           | Salas blancas / <i>Cleanrooms</i> / Chambres stériles                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                           | Industria nuclear<br><i>Nuclear industry</i><br>Industries nucléaires                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <p>Evitar la oxidación prematura de piezas por la contaminación de partículas</p> <p><i>Avoiding premature rust of parts by particle contamination</i></p> <p>Évite l'échange d'oxydation de pièces par la contamination de particules</p> | <p>El uso de herramientas en componentes de acero inoxidable, tales como tornillos, tuercas, arandelas, tubos, barras, etc.</p> <p><i>Using tools on Stainless Steel components such as screws, nuts, washers, pipes, bars, etc.</i></p> <p>L'utilisation d'outils en acier inoxydable tout comme les vis, les écrous, rondelles, tubes, barres, etc.</p> | Sector naval / <i>Ship building</i> / Secteur naval                                                                                             | <p>Las herramientas de acero al carbono pueden dejar pequeñas partículas sobre los componentes de acero inoxidable, los cuales se pueden contaminar, y oxidarse</p> <p><i>Carbon steel tools can leave small particles on stainless steel components, which will get contaminated, and make them rust</i></p> <p>Les outils en acier de carbone peuvent laisser des petites particules sur les composants en acier inoxydables, qui peuvent être contaminés et oxydés</p>                                                                                                                            | <p>Las herramientas de acero inoxidable no contaminan otros componentes de acero INOX y, por lo tanto, no se produce su oxidación</p> <p><i>Stainless steel tools will not contaminate other SS components and thus not make them get rusted</i></p> <p>Les outils en aciers inoxydables ne contamineront les autres composants et par conséquent ne produiront aucune oxydation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <p>Aumento de la vida útil de la herramienta</p> <p><i>Increasing tool lifetime</i></p> <p>Augmentation de la durée de vie utile des outils</p>                                                                                            | <p>Entornos corrosivos</p> <p><i>Corrosive environments</i></p> <p>Milieux corrosifs</p>                                                                                                                                                                                                                                                                  | Naval (buques / mantenimiento de barcos)<br><i>Naval (vessels / ship maintenance)</i><br>Naval (navires / manutention de bateaux)               | <p>Las herramientas de acero al carbono, incluso cuando están cromadas, se oxidarán rápidamente en áreas altamente corrosivas, dejándolas inutilizables y teniendo que reemplazarlas con frecuencia</p> <p><i>Carbon steel tools, even when they are chrome plated, will rust quickly in highly corrosive areas, leaving them unusable and having to replace them frequently</i></p> <p>Les outils en carbone, inclus quand ils sont en polie s'oxyderont de façon rapide dans des milieux hautement corrosifs et les laissant inutilisables et par conséquent seront remplacés plus fréquemment</p> | <p>El acero inoxidable es un acero de bajo contenido en carbono enriquecido con un 10 % de cromo, que permite la formación de una capa de óxido de cromo invisible que protege el núcleo de la oxidación. Incluso cuando la capa está dañada químicamente o mecánicamente, el oxígeno del medio ambiente reparará la capa de nuevo</p> <p><i>Stainless steel is a low carbon steel enriched with above 10% chromium, which allows the formation of an invisible chromium oxide layer that protects the core from rusting. Even when the layer is damaged chemically or mechanically, the oxygen of the environment will repair the layer again</i></p> <p>L'acier inoxydable est un acier à faible composition en carbone enrichi avec 10% de Chrome qui permet la formation d'une pellicule d'oxyde de Chrome invisible qui protège de l'oxydation. Même quand la pellicule est détériorée par un impact l'oxygène du milieu ambiant repare la pellicule</p> |
|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                           | Subacuático / <i>Subaquatic</i> / Subaquatique                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                           | Plantas de energía nuclear<br><i>Nuclear Power plants</i><br>Plate-forme d'énergie nucléaire                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                           | Desalinización del agua<br><i>Water desalination</i><br>Évacuation des eaux                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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Como ocurre con los aceros al carbono, hay docenas de diferentes aceros inoxidables y cada uno de ellos presenta diferentes propiedades para diferentes aplicaciones: algunos son más resistentes a la corrosión, otros son más resistentes a la tracción, otros más duros... Pero ninguno de ellos mejor en todo el conjunto de propiedades.

EGA Master ha elegido los aceros inoxidables 420, 304 y 316 para la fabricación de sus herramientas, ya que combina de manera óptima las diferentes propiedades requeridas para la fabricación y uso de herramientas de acero inoxidable:

*As with carbon steels, there are dozens of different stainless steels, each of them presenting different properties for different applications. Some are more resistant to rust, some other are stronger, some harder... But none of them is best in all properties.*

*EGA Master has chosen 420, 304 and 316 Stainless steels for the manufacturing its tools, as it combines optimally different properties required for manufacturing and use of stainless steel tools:*

Comme avec les aciers au carbone, il existe une douzaine de différents aciers inoxidables, qui chacun d'entre eux présente différentes propriétés pour différentes applications. Certains sont plus résistants à la corrosion, d'autres plus résistants à la traction, d'autres plus durs... Mais aucun meilleur dans un ensemble de propriétés.

EGA Master a élu les aciers inoxydables 420, 304 et 316 pour la fabrication de ses outils, vu qu'il associe de façon optimale les différentes propriétés requise pour la fabrication et l'utilisation d'outils en acier inoxydable:

|                                                                         | AISI 420                    | AISI 304                | AISI 316                |
|-------------------------------------------------------------------------|-----------------------------|-------------------------|-------------------------|
| Dureza / Hardness / Dureté                                              | 38-48 HRc                   | 25-30 HRc               | ≤ 15 HRc                |
| Resistencia a la tracción / Tensile Strength / Resistance à la traction | 1200-1500 N/mm <sup>2</sup> | ≥ 520 N/mm <sup>2</sup> | ≥ 520 N/mm <sup>2</sup> |

| Propiedades / Properties / Propriétés                                                                                       | AISI 420                                            | AISI 304                   | AISI 316                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Resistencia mecánica<br>Mechanical strength<br>Résistance mécanique                                                         | Alta<br>High<br>Élevée                              | Media<br>Medium<br>Moyenne | Baja<br>Low<br>Faible                                                                                                         |
| Dureza<br>Hardness<br>Dureté                                                                                                | Alta<br>High<br>Élevée                              | Media<br>Medium<br>Moyenne | Baja<br>Low<br>Faible                                                                                                         |
| Resistencia a la corrosión<br>Corrosion resistance<br>Résistance à la corrosion                                             | Media<br>Medium<br>Moyenne                          | Alta<br>High<br>Élevée     | Muy alta (mejor en ambientes salinos)<br>Very high (best in saline environments)<br>Très élevée (meilleure en milieux salins) |
| Resistencia a la oxidación<br>Oxidation resistance<br>Résistance à l'oxydation                                              | Media<br>Medium<br>Moyenne                          | Alta<br>High<br>Élevée     | Muy alta<br>Very high<br>Très élevée                                                                                          |
| Adecuado para esterilización en autoclave<br>Suitable for autoclave sterilization<br>Adapté à la stérilisation en autoclave | No recomendado<br>Not recommended<br>Non recommandé | Sí<br>Yes<br>Oui           | Sí<br>Yes<br>Oui                                                                                                              |
| Magnetismo<br>Magnetism<br>Magnétisme                                                                                       | Sí<br>Yes<br>Oui                                    | Leve<br>Slight<br>Léger    | Leve<br>Slight<br>Léger                                                                                                       |
| Costo<br>Cost<br>Coût                                                                                                       | Bajo<br>Low<br>Faible                               | Medio<br>Medium<br>Moyen   | Alto<br>High<br>Élevé                                                                                                         |

|                                           | AISI 420                                                        | AISI 304                                                                 | AISI 316                                                                         |
|-------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Composición<br>Composition<br>Composition | C 0,16 - 0,25 %<br>Mn ≤ 1,00 %<br>Si ≤ 1,00 %<br>Cr 12 % - 14 % | C ≤ 0,08 %<br>Mn ≤ 1,8 %<br>Si ≤ 0,85 %<br>Cr 18 - 20 %<br>Ni 8 - 10,5 % | C ≤ 0,08 %<br>Mn ≤ 2 %<br>Si ≤ 1 %<br>Cr 16 - 18 %<br>Ni 10 - 14 %<br>Mo 2 - 3 % |

■ PRECAUCIONES  
CAUTION  
PRÉCAUTIONS

Las herramientas de acero inoxidable AISI 420 no están clasificadas como antimagnéticas, sino que se trata de herramientas fabricadas en acero inoxidable martensítico-ferromagnético cuya permeabilidad magnética es muy superior a la unidad.

Todos los aceros inoxidables pueden sufrir oxidación con el tiempo. Su duración dependerá de las condiciones a las que se le someta, la corrosividad del ambiente y el cuidado que se le preste. Nunca deben entrar en contacto con piezas de acero al carbono, ya que se contaminarían y serían fuente de oxidación. Deben ser cuidadosamente almacenadas y limpiadas. Los aceros inoxidables que empleamos son idóneos para la fabricación de herramienta que evite contaminación de otras piezas inoxidables (alimentación, salas blancas...).

*The stainless steel AISI 420 tools are not classified as non-magnetic but tools made of martensitic - ferromagnetic stainless steel whose magnetic permeability is much higher than the unit.*

*All stainless steels can undergo oxidation over time. Their lifespan will depend on the conditions to which they are exposed, the corrosiveness of the environment, and the care given to it. They should never come into contact with carbon steel parts, since they would become contaminated and would be a source of oxidation. They should be carefully stored and cleaned. The stainless steels we use are suitable for the manufacture of tools that prevent contamination of other stainless steel parts (food, clean rooms, etc.).*

L'outillage en acier inoxydable AISI 420 n'est pas classé comme antimagnétique, il s'agit d'un outillage fait en acier inoxydable martensitique-ferromagnétique dont la perméabilité magnétique est très supérieure à l'unité.

Tous les aciers inoxydables peuvent subir de l'oxydation avec le temps. Leur durée de vie dépendra des conditions auxquelles ils sont soumis, de la corrosivité de l'environnement et des soins qu'ils reçoivent. Ils ne doivent jamais entrer en contact avec des pièces en acier au carbone, car ils seraient contaminés et constitueraient une source de rouille. Ils doivent être stockés et nettoyés avec soin. Les aciers inoxydables que nous utilisons sont adaptés à la fabrication d'outils qui empêchent la contamination d'autres pièces en acier inoxydable (alimentaire, salles blanches, etc.).



■ SS 420

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

■ UNIVERSALES / COMBINATION / UNIVERSELLES / KOMBIZANGEN / UNIVERSALI / UNIVERSAIS / УНИВЕРСАЛЬНЫЕ

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38137 | SS 420 | 160    | 230                                                                               |
| 38667 |        | 170    | 250                                                                               |
| 38138 |        | 200    | 360                                                                               |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38139 | SS 420 | 160    | 90                                                                                |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38140 | SS 420 | 160    | 70                                                                                |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|------------------------------------------------------------------------------------|
| 38141 | SS 420 | 160    | 90                                                                                 |
| 38142 |        | 200    | 150                                                                                |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38143 | SS 420 | 160    | 80                                                                                  |
| 38144 |        | 200    | 150                                                                                 |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38145 | SS 420 | 160    | 120                                                                                 |
| 38668 |        | 200    | 200                                                                                 |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38146 | SS 420 | 180    | 190                                                                                 |
| 38669 |        | 200    | 230                                                                                 |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38147 | SS 420 | 160    | 170                                                                                 |



■ CORTE FRONTAL ELECTRICISTA / END CUTTING NIPPER (ELECTRICIAN) / COUPANTES DEVANT ELECTRICIEN / ELEKTRIKER VORSCHNEIDER / TAGLIO FRONTALE PER ELETTRICISTI / CORTE FRONTAL ELECTRICISTA / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38670 | SS 420 | 150    | 170                                                                                 |
| 38148 |        | 200    | 260                                                                                 |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38149 | SS 420 | 160    | 120                                                                               |



■ BIMAT

■ UNIVERSALES / COMBINATION / UNIVERSELLES / KOMBIZANGEN / UNIVERSALI / UNIVERSAIS / УНИВЕРСАЛЬНЫЕ

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38000 | SS 420 | 160    | 230                                                                               |
| 38001 |        | 180    | 280                                                                               |
| 38002 |        | 200    | 360                                                                               |

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



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38003 | SS 420 | 160    | 170                                                                               |

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



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38004 | SS 420 | 160    | 150                                                                                 |

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



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38005 | SS 420 | 160    | 170                                                                                 |
| 38006 |        | 200    | 230                                                                                 |

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



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38007 | SS 420 | 160    | 160                                                                                 |
| 38008 |        | 200    | 230                                                                                 |

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



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38086 | SS 420 | 160    | 110                                                                                 |

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



■ CORTE DIAGONAL / DIAGONAL CUTTING PLIERS / COUPANTES DIAGONALES / SEITENSCHNEIDER / TAGLIO LATERALE / CORTE DIAGONAL / УДЛИННЕННЫЕ ТОНКИЕ

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| 38009 | SS 420 | 160    | 200                                                                                 |
| 38010 |        | 190    | 230                                                                                 |

**BIMAT** | 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.   | L (mm) | g   |
|-------|--------|--------|-----|
| 38011 | SS 420 | 180    | 270 |
| 38012 |        | 200    | 340 |

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



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

| COD.  | MAT.   | L (mm) | g   |
|-------|--------|--------|-----|
| 38013 | SS 420 | 160    | 250 |

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



**CORTE FRONTAL ELECTRICISTA / END CUTTING NIPPER (ELECTRICIAN) / COUPANTES DEVANT ELECTRICIEN / ELEKTRIKER VORSCHNEIDER / TAGLIO FRONTALE PER ELETTRICISTI / CORTE FRONTAL ELETTRICISTA / КЛЕЩИ (ЭЛЕКТРИЧЕСКИЕ)**

| COD.  | MAT.   | L (mm) | g   |
|-------|--------|--------|-----|
| 38014 | SS 420 | 160    | 250 |
| 38015 |        | 200    | 340 |

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



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

| COD.  | MAT.   | L (mm) | g   |
|-------|--------|--------|-----|
| 38016 | SS 420 | 160    | 200 |

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



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

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

| COD.  | MAT.   | L (mm) | O.D. mm | g   |
|-------|--------|--------|---------|-----|
| 38914 | SS 420 | 140    | 3-10    | 190 |
| 38915 |        |        | 8-25    |     |
| 38916 |        |        | 10-25   |     |
| 38890 |        | 200    | 19-60   | 290 |
| 38917 |        | 250    | 40-100  | 420 |



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

| COD.  | MAT.   | L (mm) | O.D. mm | g   |
|-------|--------|--------|---------|-----|
| 38918 | SS 420 | 140    | 3-10    | 190 |
| 38919 |        |        | 8-25    |     |
| 38920 |        |        | 10-25   |     |
| 38892 |        | 200    | 19-60   | 290 |
| 38921 |        | 250    | 40-100  | 420 |



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

| COD.  | MAT.   | L (mm) | O.D. mm | g   |
|-------|--------|--------|---------|-----|
| 38441 | SS 420 | 140    | 8-13    | 190 |
| 38442 |        |        | 12-25   |     |
| 38891 |        | 200    | 19-60   | 290 |
| 38609 |        | 250    | 40-100  | 420 |



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

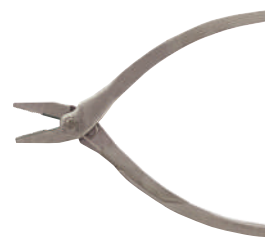
| COD.  | MAT.   | L (mm) | O.D.<br>mm | g   |
|-------|--------|--------|------------|-----|
| 38234 | SS 420 | 140    | 8-13       | 190 |
| 38272 |        |        | 12-25      |     |
| 38893 |        | 200    | 19-60      | 290 |
| 38273 |        | 250    | 40-100     | 420 |



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

■ **UNIVERSALES / COMBINATION / UNIVERSELLES / KOMBIZANGEN / UNIVERSALI / UNIVERSAIS / УНИВЕРСАЛЬНЫЕ**

| COD.  | MAT.   | L (mm) | g  |
|-------|--------|--------|----|
| 38081 | SS 420 | 125    | 90 |



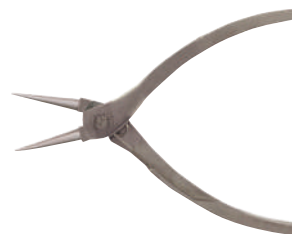
■ **BOCA PLANA / FLAT NOSE / BEC PLATS / FLACHZANGEN / BECCHI PIATTI / PONTAS CHATAS / УТКОНОСЫ**

| COD.  | MAT.   | L (mm) | g  |
|-------|--------|--------|----|
| 38082 | SS 420 | 130    | 70 |



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

| COD.  | MAT.   | L (mm) | g  |
|-------|--------|--------|----|
| 38083 | SS 420 | 130    | 80 |



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

| COD.  | MAT.   | L (mm) | g  |
|-------|--------|--------|----|
| 38084 | SS 420 | 130    | 70 |



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

| COD.  | MAT.   | L (mm) | g  |
|-------|--------|--------|----|
| 38085 | SS 420 | 130    | 80 |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38087 | SS 420 | 115    | 70                                                                                |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38088 | SS 420 | 115    | 80                                                                                |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|------------------------------------------------------------------------------------|
| 38089 | SS 420 | 110    | 65                                                                                 |



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

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

| COD.  | MAT.   | L (inch) |  |
|-------|--------|----------|-------------------------------------------------------------------------------------|
| 38066 | SS 420 | 10       | 320                                                                                 |
| 38067 |        | 12       | 515                                                                                 |

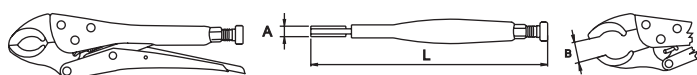


■ PICO DE LORO / GROOVE JOINT / MULTIPRISE À CRÉMAILLÈRE / WASSERPUMPENZANGE / PINZE REGOLABILI / BICO DE PAPAGAIO / КЛЕЩИ ЖЕЛОБКОВОГО ТИПА

| COD.  | MAT.   | L (inch) |  |
|-------|--------|----------|-------------------------------------------------------------------------------------|
| 38176 | SS 420 | 10       | 360                                                                                 |
| 38177 |        | 12       | 610                                                                                 |



■ GRIP / GRIP / PINCE ÉTAU / GRIPZANGE / PINZE GRIG / PRESSÃO / СТРУБЦИНА



| COD.  | MAT.   | L (inch) | L (mm) | A (mm) | B (mm) |  |  |  |
|-------|--------|----------|--------|--------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 38178 | SS 420 | 10       | 225    | 12     | 40     | 480                                                                                 | 8                                                                                   | ●                                                                                     |



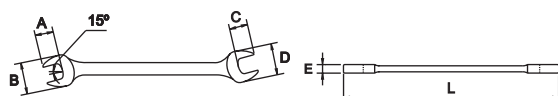
■ **LLAVES / WRENCHES / CLÉS / SCHLÜSSEL / CHIAVI / CHAVES / КЛЮЧИ**

■ **LLAVE AJUSTABLE / ADJUSTABLE WRENCH / CLÉ À MOLETTE / ROLLGABELSCHÜSSEL / CHIAVE REGOLABILI A RULLINO / CHAVE AJUSTAVEL / РАЗВОДНЫЕ КЛЮЧИ**

| COD.  | MAT.   | L (inch) | L (mm) | AF mm | g    |
|-------|--------|----------|--------|-------|------|
| 38929 | SS 420 | 6        | 150    | 19    | 135  |
| 38171 |        | 8        | 200    | 24    | 240  |
| 38172 |        | 10       | 250    | 28    | 445  |
| 38173 |        | 12       | 300    | 34    | 680  |
| 38930 |        | 15       | 375    | 46    | 1400 |
| 38931 |        | 18       | 450    | 55    | 2000 |
| 38932 |        | 24       | 600    | 65    | 4700 |



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

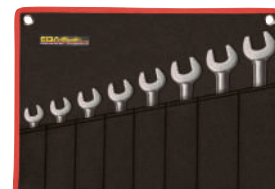


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|
| 39008 | SS 420 | 5,5-7                                                                             | 90     | 6      | 13     | 7      | 15     | 4      | 19                                                                                  |
| 38622 |        | 6-7                                                                               |        |        |        |        |        |        |                                                                                     |
| 38623 |        | 8-9                                                                               | 100    | 8      | 18     | 9      | 24     | 5      | 38                                                                                  |
| 38624 |        | 10-11                                                                             | 120    | 10     | 27     | 11     |        | 5,5    | 56                                                                                  |
| 38625 |        | 12-13                                                                             | 130    | 14     | 31     | 12     | 27     | 6      | 60                                                                                  |
| 38626 |        | 14-15                                                                             | 150    | 17     | 37     | 14     | 31     | 6,5    | 95                                                                                  |
| 38627 |        | 16-17                                                                             |        |        |        |        |        |        |                                                                                     |
| 38650 |        | 18-19                                                                             | 165    | 18     | 19     | 41     | 7,5    | 140    |                                                                                     |
| 38621 |        | 19-22                                                                             | 180    | 19     | 41     | 22     | 47     | 8,5    | 190                                                                                 |
| 38651 |        | 20-22                                                                             |        | 20     |        |        |        |        |                                                                                     |
| 38652 |        | 21-23                                                                             | 210    | 21     | 47     | 23     | 51     | 9      | 250                                                                                 |
| 38628 |        | 22-24                                                                             |        | 22     |        |        |        |        |                                                                                     |
| 38653 |        | 24-26                                                                             | 230    | 24     | 51     | 26     | 57     | 9,5    | 320                                                                                 |
| 38943 |        | 24-27                                                                             |        | 25     |        |        |        |        |                                                                                     |
| 38654 |        | 25-28                                                                             | 250    | 27     | 57     | 28     | 64     | 10     | 410                                                                                 |
| 38944 |        | 27-29                                                                             |        |        |        |        |        |        |                                                                                     |
| 38656 |        | 27-30                                                                             |        |        |        |        |        |        |                                                                                     |
| 39023 |        | 30-32                                                                             | 290    | 32     | 67     | 32     | 67     | 11     | 650                                                                                 |
| 38655 |        | 27-32                                                                             |        |        |        |        |        |        |                                                                                     |
| 38606 |        | 32-36                                                                             | 310    | 36     | 75     | 41     | 85     | 12     | 870                                                                                 |
| 38607 | 36-41  |                                                                                   |        |        |        |        |        |        |                                                                                     |
| 38608 | 38-42  |                                                                                   |        |        |        |        |        |        |                                                                                     |



■ **SET**

| COD.  | MAT.                                                   | PCS. |                                                                                           | g   |
|-------|--------------------------------------------------------|------|-------------------------------------------------------------------------------------------|-----|
| 38629 | SS 420                                                 | 8    | 90053                                                                                     | 900 |
| PCS.  | Composición / Composition / Composition                |      | Descripción / Description / Description                                                   |     |
| 8     | 38622, 38623, 38624, 38625, 38626, 38627, 38650, 38621 |      | Llave fija INOX / Open-end wrench INOX 6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 19-22 |     |



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

| COD.  | MAT.   | AF mm | L (mm) | g  |
|-------|--------|-------|--------|----|
| 39017 | SS 420 | 4     | 75     | 10 |
| 39018 |        | 5     |        |    |
| 39019 |        | 5,5   | 80     | 16 |
| 39020 |        | 6     |        |    |
| 38887 |        | 7     | 95     | 40 |
| 39027 |        | 8     |        |    |
| 38894 |        | 10    | 105    | 50 |



| COD.  | MAT.   | AP mm | L (mm) | g    |
|-------|--------|-------|--------|------|
| 38895 | SS 420 | 12    | 125    | 65   |
| 39028 |        | 13    | 140    | 95   |
| 38896 |        | 14    |        |      |
| 38897 |        | 16    |        | 100  |
| 38898 |        | 17    | 160    | 105  |
| 38899 |        | 18    |        | 120  |
| 38900 |        | 19    | 170    | 130  |
| 39029 |        | 22    | 195    | 170  |
| 38901 |        | 24    | 220    | 190  |
| 38902 |        | 27    | 240    | 285  |
| 38903 |        | 30    | 260    | 320  |
| 38904 |        | 32    |        |      |
| 39016 |        | 33    | 275    | 400  |
| 38885 |        | 34    | 290    | 470  |
| 38905 |        | 36    | 310    | 500  |
| 38906 |        | 41    | 345    | 580  |
| 38907 |        | 46    | 375    | 900  |
| 38908 |        | 50    | 410    | 1150 |
| 38886 |        | 55    | 450    | 1400 |
| 38909 |        | 60    | 490    | 2000 |
| 38910 |        | 65    | 530    | 2800 |
| 38911 |        | 70    | 570    | 3000 |
| 38912 |        | 75    | 610    | 3500 |

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

■ MM

| COD.  | MAT.   | AP mm | L (mm) | g    |
|-------|--------|-------|--------|------|
| 38090 | SS 420 | 6     |        | 10   |
| 38091 |        | 7     | 115    | 20   |
| 38092 |        | 8     |        |      |
| 38093 |        | 9     | 140    | 30   |
| 38094 |        | 10    |        |      |
| 38095 |        | 11    | 160    | 40   |
| 38096 |        | 12    |        | 50   |
| 38097 |        | 13    | 180    | 60   |
| 38098 |        | 14    |        | 70   |
| 38099 |        | 15    |        | 80   |
| 38100 |        | 16    | 200    | 90   |
| 38101 |        | 17    |        | 110  |
| 38102 |        | 18    | 225    | 120  |
| 38103 |        | 19    |        | 140  |
| 38104 |        | 20    |        | 170  |
| 38105 |        | 21    | 250    | 180  |
| 38106 |        | 22    |        | 200  |
| 38107 |        | 23    | 270    | 220  |
| 38108 |        | 24    |        | 260  |
| 38109 |        | 25    |        | 300  |
| 38110 |        | 26    | 290    | 310  |
| 38111 |        | 27    |        | 340  |
| 38112 |        | 28    |        | 380  |
| 38113 |        | 29    | 320    | 390  |
| 38114 |        | 30    |        | 430  |
| 38115 |        | 32    | 350    | 550  |
| 38195 |        | 36    | 360    | 690  |
| 38980 |        | 46    | 400    | 1000 |
| 38981 |        | 50    | 520    | 2000 |
| 38982 |        | 56    | 560    | 2230 |



## INCH

| COD.  | MAT.   | AP inch | L (mm) | g   |
|-------|--------|---------|--------|-----|
| 38116 | SS 420 | 1/4     | 115    | 17  |
| 38117 |        | 5/16    |        |     |
| 38118 |        | 11/32   | 140    |     |
| 38119 |        | 3/8     |        | 38  |
| 38121 |        | 13/32   |        |     |
| 38120 |        | 7/16    | 160    |     |
| 38122 |        | 1/2     | 180    | 48  |
| 38123 |        | 9/16    |        | 70  |
| 38124 |        | 5/8     | 200    | 120 |
| 38125 |        | 11/16   |        |     |
| 38126 |        | 3/4     | 225    | 150 |
| 38127 |        | 13/16   |        |     |
| 38128 |        | 25/32   | 250    | 210 |
| 38129 |        | 7/8     |        |     |
| 38130 |        | 15/16   | 270    |     |
| 38131 |        | 31/32   |        | 260 |
| 38132 |        | 1       | 290    |     |
| 38133 |        | 1.1/16  |        | 320 |
| 38134 |        | 1.1/8   | 320    | 400 |
| 38135 |        | 1.3/16  |        |     |
| 38136 |        | 1.1/4   | 350    | 525 |
| 38168 |        | 1.3/8   | 360    | 710 |
| 38169 |        | 1.1/2   | 380    | 990 |



## SET

## MM

| COD.  | MAT.                                                   | PCS. |                                                                      | g   |
|-------|--------------------------------------------------------|------|----------------------------------------------------------------------|-----|
| 38216 | SS 420                                                 | 8    | 90081                                                                | 400 |
| PCS.  | Composición / Composition / Composition                |      | Descripción / Description / Description                              |     |
| 8     | 38092, 38093, 38094, 38095, 38096, 38097, 38098, 38099 |      | Llave combinada INOX / Combination wrench INOX 8-9-10-11-12-13-14-15 |     |



## INCH

| COD.  | MAT.                                                   | PCS. |                                                                                               | g   |
|-------|--------------------------------------------------------|------|-----------------------------------------------------------------------------------------------|-----|
| 38217 | SS 420                                                 | 8    | 90081                                                                                         | 380 |
| PCS.  | Composición / Composition / Composition                |      | Descripción / Description / Description                                                       |     |
| 8     | 38117, 38118, 38119, 38120, 38121, 38122, 38123, 38124 |      | Llave combinada INOX / Combination wrench INOX 5/16"-11/32"-3/8"-13/32"-7/16"-1/2"-9/16"-5/8" |     |



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

| COD.  | MAT.   | AP mm | L (mm) | g   |
|-------|--------|-------|--------|-----|
| 38989 | SS 420 | 10    |        | 120 |
| 39012 |        | 11    | 170    | 135 |
| 39013 |        | 12    |        |     |
| 39024 |        | 14    | 190    | 150 |
| 39044 |        | 15    |        |     |
| 38617 |        | 17    | 220    | 235 |
| 39025 |        | 18    | 240    | 300 |
| 38174 |        | 19    | 280    |     |
| 39045 |        | 20    |        | 435 |
| 38175 |        | 24    | 500    | 500 |
| 38219 |        | 27    | 500    | 750 |



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

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| 38823 | SS 420 | 6-7                                                                               | 170    | 47                                                                                 |
| 38842 |        | 8-9                                                                               | 190    | 85                                                                                 |
| 38843 |        | 10-11                                                                             | 200    |                                                                                    |
| 38999 |        | 10-13                                                                             |        |                                                                                    |
| 38844 |        | 12-13                                                                             | 220    | 165                                                                                |
| 38845 |        | 14-15                                                                             | 255    | 170                                                                                |
| 38469 |        | 16-17                                                                             | 280    | 180                                                                                |
| 38846 |        | 18-19                                                                             |        | 270                                                                                |
| 38847 |        | 20-22                                                                             | 320    | 350                                                                                |
| 38876 |        | 21-23                                                                             |        | 355                                                                                |
| 38881 |        | 24-26                                                                             | 340    | 460                                                                                |
| 38882 |        | 25-28                                                                             | 350    | 510                                                                                |
| 38883 |        | 30-32                                                                             | 370    | 655                                                                                |
| 38888 |        | 32-36                                                                             | 430    | 950                                                                                |
| 38889 |        | 38-42                                                                             | 470    | 1210                                                                               |



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

| COD.  | MAT.   | g   |
|-------|--------|-----|
| 69342 | SS 420 | 300 |

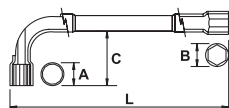
  

| COD. PCS. | mm                               |
|-----------|----------------------------------|
| 61727     | Aerospatial / <i>Aerospatial</i> |
| 38092     | INOX SS 420                      |
| 73062     | 1000V                            |
| 70172     | Cu-Be                            |
| 70684     | Al-Bron                          |
| 71669     | Titanio / <i>Titanium</i>        |

8



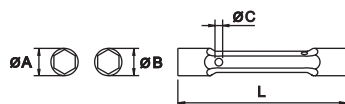
**LLAVES DE PIPA ABIERTAS / ANGLED OPEN SOCKETS / CLÉS À PIPE DEBOUCHEES / PFEIFENKOPFSCHLÜSSEL / CHIAVI A PIPA APERTE / DE CACHIMBO ABERTAS / КЛЮЧ С ИЗОГНУТЫМИ ГОЛОВКАМИ**



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | g    |   |   |
|-------|--------|-------|--------|--------|--------|--------|------|---|---|
| 38986 | SS 420 | 6     | 100    | 11     | 11     | 38     | 60   | 6 | ● |
| 38961 |        | 7     | 110    | 13     | 13     | 42     |      |   |   |
| 38962 |        | 8     | 115    | 14     | 14     | 46     | 70   |   |   |
| 38215 |        | 10    | 130    | 16     | 16     | 50     | 120  |   |   |
| 38963 |        | 13    | 160    | 20     | 20     | 55     | 240  |   |   |
| 38964 |        | 16    | 185    | 25     | 25     | 70     | 410  |   |   |
| 38977 |        | 17    |        | 26     | 26     |        | 420  |   |   |
| 38978 |        | 18    | 200    | 27     | 27     | 75     | 550  |   |   |
| 38979 |        | 19    |        | 28     | 28     |        | 600  |   |   |
| 38983 |        | 22    | 230    | 32     | 32     | 90     | 850  |   |   |
| 38984 |        | 24    | 250    | 36     | 36     | 100    | 1150 |   |   |



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



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | g    |    |   |
|-------|--------|-------|--------|--------|--------|--------|------|----|---|
| 36709 | SS 420 | 6-7   | 105    | 13     | 13     |        | 70   | 10 | ● |
| 38192 |        | 8-9   | 115    | 14     | 16     | 4      | 90   |    |   |
| 38194 |        | 7-10  |        |        | 17     |        | 100  |    |   |
| 36710 |        | 10-11 | 120    | 17     | 18     | 5      | 110  |    |   |
| 36711 |        | 12-13 |        | 19     | 20     | 6      | 170  |    |   |
| 36712 |        | 14-15 | 140    | 22     | 23     | 8      | 255  |    |   |
| 36713 |        | 16-17 | 155    | 24     | 26     | 9      | 440  | 6  | - |
| 36714 |        | 18-19 | 165    | 27     | 29     | 11     | 520  |    |   |
| 36715 |        | 20-22 | 175    | 30     | 33     | 12     | 630  |    |   |
| 36716 |        | 21-23 | 185    | 31     | 34     |        | 670  |    |   |
| 36717 |        | 24-26 |        |        |        |        |      |    |   |
| 36718 |        | 24-27 | 195    | 35     | 37     |        | 870  |    |   |
| 36719 |        | 25-28 | 205    | 36     | 40     | 13     | 965  |    |   |
| 36720 |        | 27-29 |        | 39     | 42     |        | 1000 |    |   |
| 36721 |        | 30-32 | 210    | 43     | 45     |        | 1300 |    |   |



**LLAVE HEAVY DUTY / HEAVY DUTY PIPE WRENCH / CLÉ SERRE-TUBES HEAVY DUTY / HEAVY DUTY ROHRZANGE / GIRATUBI MODELLO AMERICANO PESANTE / CHAVE HEAVY DUTY / ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК**

| COD.  | MAT.   | L (inch) | CAP. (inch) | Kg  |
|-------|--------|----------|-------------|-----|
| 38922 | SS 420 | 6        | 3/4         | 0,4 |
| 38923 |        | 8        | 1           |     |
| 38924 |        | 10       | 1.1/2       | 0,7 |
| 38925 |        | 12       |             | 1,1 |
| 38926 |        | 14       | 2           | 1,3 |
| 38927 |        | 18       | 2.1/2       | 1,5 |
| 38928 |        | 24       | 3           | 2,3 |

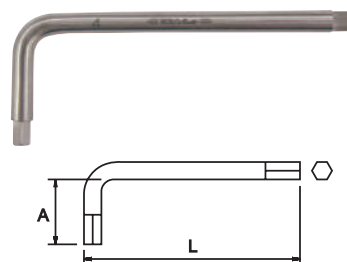


**LLAVES HEXAGONALES / HEXAGONAL KEYS / CLÉS MÂLES / INBUSSCHLÜSSEL / CHIAVI ESAGONALI / CHAVES HEXAGONAIS / ШЕСТИГРАННЫЕ КЛЮЧИ**

**STANDARD**

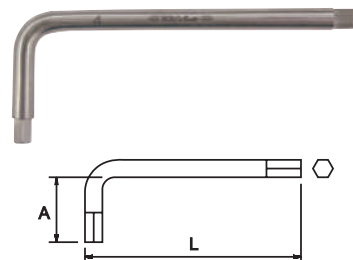
**MM**

| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| 38170 | SS 420 | 1,5   | 47     | 16     | 5,0 |
| 38186 |        | 2     | 52     | 18     |     |
| 38036 |        | 2,5   | 55     |        |     |
| 38037 |        | 3     |        |        | 10  |
| 38038 |        | 3,5   | 65     | 20     |     |
| 38039 |        | 4     | 70     | 25     |     |
| 38233 |        | 4,5   |        | 28     | 20  |
| 38040 |        | 5     | 85     | 30     |     |
| 38041 |        | 6     | 90     | 32     |     |
| 38042 |        | 7     | 95     | 34     | 40  |
| 38043 |        | 8     | 100    | 36     | 60  |
| 38044 |        | 9     | 105    | 38     | 80  |
| 38045 |        | 10    | 110    | 40     | 110 |
| 38046 |        | 11    | 120    | 42     | 150 |
| 38047 |        | 12    | 125    | 45     | 170 |
| 38657 |        | 14    | 160    | 55     | 360 |
| 38658 |        | 17    | 180    | 65     | 550 |



## INCH

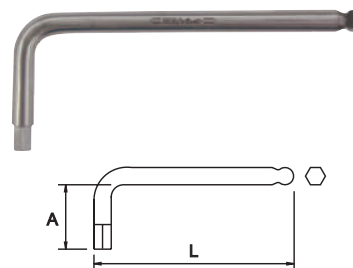
| COD.  | MAT.   |  | L (mm) | A (mm) |  |    |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|------------------------------------------------------------------------------------|----|
| 38605 | SS 420 | 1/16                                                                              | 45     | 14     | 3,0                                                                                |    |
| 38603 |        | 5/64                                                                              | 50     | 16     | 3,3                                                                                |    |
| 38604 |        | 3/32                                                                              | 60     | 18     | 4,0                                                                                |    |
| 39106 |        | 7/64                                                                              | 65     | 20     | 10                                                                                 |    |
| 38589 |        | 1/8                                                                               |        |        |                                                                                    |    |
| 38590 |        | 9/64                                                                              |        |        |                                                                                    |    |
| 38591 |        | 5/32                                                                              | 75     | 25     | 15                                                                                 |    |
| 38592 |        | 3/16                                                                              |        |        |                                                                                    | 85 |
| 38593 |        | 7/32                                                                              | 95     | 32     | 40                                                                                 |    |
| 38594 |        | 1/4                                                                               | 100    | 34     |                                                                                    |    |
| 39107 |        | 9/32                                                                              |        |        |                                                                                    |    |
| 38595 |        | 5/16                                                                              | 110    | 36     |                                                                                    | 50 |
| 39108 |        | 11/32                                                                             | 115    | 38     |                                                                                    |    |
| 38596 |        | 3/8                                                                               |        |        |                                                                                    |    |
| 39109 |        | 7/16                                                                              | 140    | 45     | 100                                                                                |    |
| 39110 | 1/2    | 160                                                                               | 55     | 250    |                                                                                    |    |



STANDARD CON PUNTA DE BOLA / STANDARD BALLPOINT / STANDARD EMBOUT SPHÉRIQUE / KUGELKOPF- WINKELSCHRAUBER / STANDARD CON PUNTA A SFERA / STANDARD COM BOLA / СТАНДАРТНЫЙ С ШАРИКОВОЙ ГОЛОВКОЙ

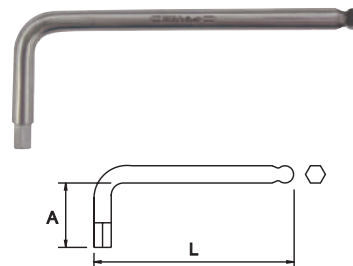
## MM

| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| 38597 | SS 420 | 1,5   | 45     | 14     | 3,3 |
| 38598 |        | 2,5   | 55     | 18     |     |
| 38599 |        | 3     | 60     | 20     | 8   |
| 38600 |        | 4     | 70     | 25     | 14  |
| 38601 |        | 6     | 90     | 32     | 35  |
| 38602 |        | 10    | 112    | 40     | 135 |



## INCH

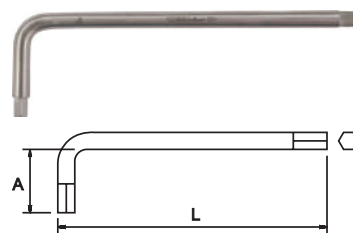
| COD.  | MAT.   | AF inch | L (mm) | A (mm) | g   |
|-------|--------|---------|--------|--------|-----|
| 38948 | SS 420 | 1/16    | 47     | 14     | 2,5 |
| 38949 |        | 5/64    | 55     | 16     |     |
| 38950 |        | 3/32    | 60     | 18     | 3   |
| 38951 |        | 7/64    | 65     | 20     | 5   |
| 38952 |        | 1/8     |        |        |     |
| 38953 |        | 9/64    | 75     | 25     | 10  |
| 38954 |        | 5/32    |        |        |     |
| 38955 |        | 3/16    | 85     | 28     | 20  |
| 38956 |        | 7/32    | 95     | 32     | 25  |
| 38957 |        | 1/4     | 105    | 34     | 40  |
| 38958 |        | 5/16    | 110    | 36     | 80  |
| 38959 |        | 3/8     | 115    | 38     | 120 |
| 38960 |        | 1/2     | 155    | 55     | 200 |



## SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

## MM

| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g  |
|-------|--------|-------|--------|--------|----|
| 36937 | SS 420 | 2     | 100    | 16     | 10 |
| 38048 |        | 2,5   | 105    | 18     |    |
| 38049 |        | 3     | 110    | 20     |    |
| 38206 |        | 3,5   | 125    | 25     | 20 |
| 38050 |        | 4     | 120    |        |    |
| 38051 |        | 5     | 130    | 28     | 30 |

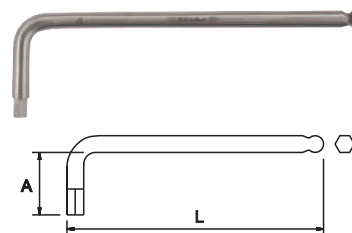


| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| 38052 | SS 420 | 6     | 145    | 32     | 50  |
| 38053 |        | 7     | 155    | 34     | 70  |
| 38054 |        | 8     | 160    | 36     | 100 |
| 38055 |        | 9     | 175    | 38     | 150 |
| 38056 |        | 10    | 180    | 40     | 180 |
| 38057 |        | 11    | 190    | 42     | 250 |
| 38058 |        | 12    | 200    | 45     | 290 |

**BOLA SERIE LARGA / LONG PATTERN BALLPOINT / SÉRIE LONGUE À TÊTE SPHÉRIQUE / KUGELKOPF- INBUSSCHLÜSSEL / SERIE LUNGA CON TESTA SFERICA / ESFERICAS, SERIE LONGA / длинный с шаровой головкой**

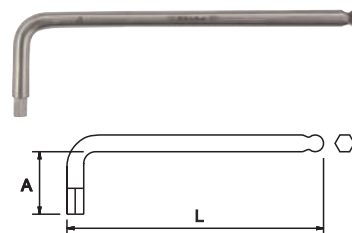
MM

| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| 38640 | SS 420 | 1,5   | 92     | 16     | 6   |
| 38641 |        | 2     | 100    | 18     |     |
| 38642 |        | 2,5   | 115    | 21     | 7   |
| 38643 |        | 3     | 130    | 23     | 14  |
| 38659 |        | 3,5   | 140    | 26     | 20  |
| 38644 |        | 4     | 145    | 29     | 24  |
| 39026 |        | 4,5   | 145    | 29     | 30  |
| 38645 |        | 5     | 165    | 33     | 38  |
| 38646 |        | 5,5   | 165    | 33     | 50  |
| 38647 |        | 6     | 185    | 38     | 60  |
| 38660 |        | 7     | 195    | 41     | 100 |
| 38648 |        | 8     | 210    | 44     | 140 |
| 38661 |        | 9     | 220    | 47     | 150 |
| 38649 |        | 10    | 230    | 50     | 160 |
| 38662 |        | 11    | 250    | 55     | 170 |
| 38663 |        | 12    | 260    | 55     | 210 |
| 38664 |        | 14    | 290    | 70     | 380 |
| 38665 |        | 17    | 340    | 80     | 560 |



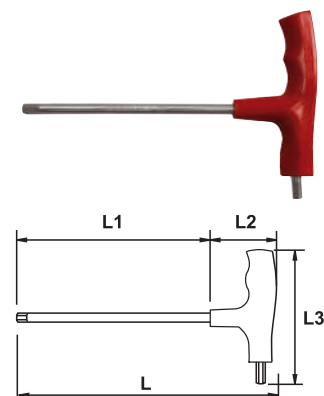
INCH

| COD.  | MAT.   | AF inch | L (mm) | A (mm) | g   |
|-------|--------|---------|--------|--------|-----|
| 38618 | SS 420 | 1/16    | 90     | 14     | 10  |
| 38965 |        | 5/64    | 100    | 16     |     |
| 38966 |        | 3/32    | 110    | 18     |     |
| 38967 |        | 7/64    | 130    | 20     | 15  |
| 38968 |        | 1/8     | 145    | 25     | 20  |
| 38969 |        | 9/64    | 145    | 25     |     |
| 38970 |        | 5/32    | 160    | 28     |     |
| 38971 |        | 3/16    | 160    | 28     | 40  |
| 38972 |        | 7/32    | 185    | 32     | 50  |
| 38973 |        | 1/4     | 195    | 34     | 75  |
| 38974 |        | 5/16    | 210    | 36     | 150 |
| 38975 |        | 3/8     | 230    | 38     | 220 |
| 38976 |        | 1/2     | 290    | 55     | 350 |



CON MANGO EN T / T-HANDLE / AVEC POIGNÉE EN T / T-GRIFF / CON IMPUGNATURA A T / COM CABO EM T / Т-РУЧКА

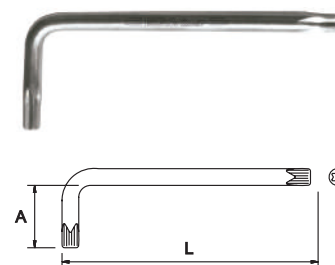
| COD.  | MAT.   | <br>mm | L (mm) | L1 (mm) | L2 (mm) | L3 (mm) | <br>g |
|-------|--------|-----------------------------------------------------------------------------------------|--------|---------|---------|---------|------------------------------------------------------------------------------------------|
| 38630 | SS 420 | 2,5                                                                                     | 175    | 115     | 60      | 110     | 35                                                                                       |
| 38631 |        | 3                                                                                       |        |         |         |         | 40                                                                                       |
| 38632 |        | 4                                                                                       |        |         |         |         | 50                                                                                       |
| 38639 |        | 5                                                                                       |        |         |         |         | 60                                                                                       |
| 38633 |        | 5,5                                                                                     |        |         |         |         | 75                                                                                       |
| 38634 |        | 6                                                                                       | 185    | 125     |         |         | 100                                                                                      |
| 38635 |        | 7                                                                                       |        |         |         |         | 120                                                                                      |
| 38636 |        | 8                                                                                       |        |         |         |         | 135                                                                                      |
| 38637 |        | 9                                                                                       |        |         |         |         | 155                                                                                      |
| 38638 |        | 10                                                                                      |        |         |         |         | 180                                                                                      |



TORX®\*

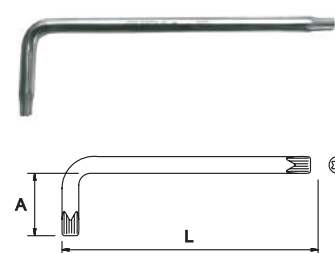
STANDARD

| COD.  | MAT.   |  | L (mm) | A (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|-------------------------------------------------------------------------------------|
| 38848 | SS 420 | T-6                                                                               | 36     | 13     | 2,2                                                                                 |
| 38849 |        | T-7                                                                               | 38     | 14     | 2,4                                                                                 |
| 38850 |        | T-8                                                                               | 40     | 15     | 2,8                                                                                 |
| 38851 |        | T-9                                                                               | 43     | 16     | 3,1                                                                                 |
| 38852 |        | T-10                                                                              | 47     | 18     | 3,8                                                                                 |
| 38853 |        | T-15                                                                              | 54     | 20     | 6                                                                                   |
| 38854 |        | T-20                                                                              | 64     | 22     | 8                                                                                   |
| 38855 |        | T-25                                                                              | 70     | 25     | 10                                                                                  |
| 38856 |        | T-27                                                                              | 79     | 26     | 17                                                                                  |
| 38857 |        | T-30                                                                              | 89     | 32     | 23                                                                                  |
| 38858 |        | T-35                                                                              | 93     | 34     | 32                                                                                  |
| 38859 |        | T-40                                                                              | 98     | 37     | 44                                                                                  |
| 38860 |        | T-45                                                                              | 108    | 41     | 55                                                                                  |
| 38861 |        | T-50                                                                              | 123    | 45     | 70                                                                                  |



SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

| COD.  | MAT.   |  | L (mm) | A (mm) |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|---------------------------------------------------------------------------------------|
| 38862 | SS 420 | T-6                                                                                 | 54     | 13     | 3                                                                                     |
| 38863 |        | T-7                                                                                 | 58     | 14     | 3,3                                                                                   |
| 38864 |        | T-8                                                                                 | 61     | 15     | 3,8                                                                                   |
| 38865 |        | T-9                                                                                 | 63     | 16     | 4,2                                                                                   |
| 38866 |        | T-10                                                                                | 68     | 18     | 5                                                                                     |
| 38867 |        | T-15                                                                                | 79     | 20     | 8                                                                                     |
| 38868 |        | T-20                                                                                | 90     | 22     | 11                                                                                    |
| 38869 |        | T-25                                                                                | 98     | 25     | 13                                                                                    |
| 38870 |        | T-27                                                                                | 108    | 26     | 22                                                                                    |
| 38871 |        | T-30                                                                                | 117    | 32     | 28                                                                                    |
| 38872 |        | T-35                                                                                | 122    | 34     | 39                                                                                    |
| 38873 |        | T-40                                                                                | 128    | 37     | 55                                                                                    |
| 38874 |        | T-45                                                                                | 147    | 41     | 70                                                                                    |
| 38875 |        | T-50                                                                                | 160    | 45     | 85                                                                                    |



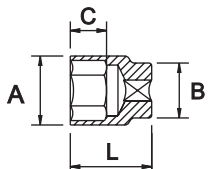
\* Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / \*For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark) / \*Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

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

■ 1/4"

■ STANDARD

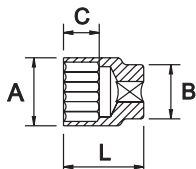
■ MM - 6 PT.



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|-------|--------|-------|--------|--------|--------|--------|----|----|
| 38235 | SS 420 | 4     | 25     | 12     | 9,0    | 11     | 6  | 17 |
| 38236 |        | 5     |        |        | 9,5    |        |    |    |
| 38237 |        | 6     |        |        | 11     |        |    |    |
| 38238 |        | 7     |        | 13     | 12     |        |    |    |
| 38239 |        | 8     |        |        | 13     |        |    |    |
| 38240 |        | 9     |        |        | 14     |        |    |    |
| 38241 |        | 10    | 26     | 15     | 15     | 14     | 30 | 22 |
| 38242 |        | 11    |        |        | 16     |        |    |    |
| 38243 |        | 12    |        |        | 17     |        |    |    |
| 38244 |        | 13    |        | 16     | 18     |        |    |    |
| 38245 |        | 14    |        |        | 19     |        |    |    |
| 39047 |        | 17    | 27     |        | 23     | 15     |    | 42 |



■ MM - 12 PT.

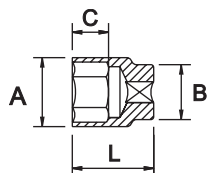


| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|-------|--------|-------|--------|--------|--------|--------|----|----|
| 38403 | SS 420 | 4     | 25     | 12     | 9,0    | 11     | 12 | 17 |
| 38404 |        | 5     |        |        | 9,5    |        |    |    |
| 38405 |        | 6     |        |        | 11     |        |    |    |
| 38406 |        | 7     |        | 13     | 12     |        |    |    |
| 38407 |        | 8     |        |        | 13     |        |    |    |
| 38408 |        | 9     |        |        | 14     |        |    |    |
| 38409 |        | 10    | 26     | 15     | 15     | 14     | 30 | 22 |
| 38410 |        | 11    |        |        | 16     |        |    |    |
| 38411 |        | 12    |        |        | 17     |        |    |    |
| 38412 |        | 13    |        | 16     | 18     |        |    |    |
| 38413 |        | 14    |        |        | 19     |        |    |    |
| 39095 |        | 17    | 27     |        | 23     | 15     |    | 42 |



■ 1/4"

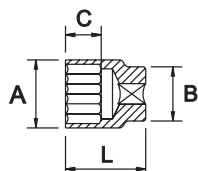
■ INCH - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|------------------------------------------------------------------------------------|
| 38246 | SS 420 | 3/16                                                                              | 25     | 12     | 9,5    | 11     | 6  | 17                                                                                 |
| 38247 |        | 7/32                                                                              |        |        | 11     |        |    |                                                                                    |
| 38248 |        | 1/4                                                                               |        |        | 12     |        |    |                                                                                    |
| 38249 |        | 5/16                                                                              |        | 13     | 13     |        |    |                                                                                    |
| 38250 |        | 3/8                                                                               |        | 15     | 15     |        |    |                                                                                    |
| 38251 |        | 7/16                                                                              | 26     | 16     | 16     | 27     |    |                                                                                    |
| 38252 |        | 1/2                                                                               |        |        | 18     | 30     |    |                                                                                    |
| 38253 |        | 9/16                                                                              |        |        | 19     | 35     |    |                                                                                    |



■ INCH - 12 PT.

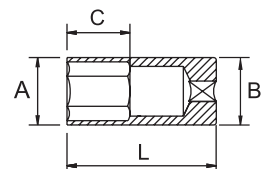


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|--------------------------------------------------------------------------------------|
| 38414 | SS 420 | 3/16                                                                                | 25     | 12     | 9,5    | 11     | 12 | 17                                                                                   |
| 38415 |        | 7/32                                                                                |        |        | 11     |        |    |                                                                                      |
| 38416 |        | 1/4                                                                                 |        |        | 12     |        |    |                                                                                      |
| 38417 |        | 5/16                                                                                |        | 13     | 13     |        |    |                                                                                      |
| 38418 |        | 3/8                                                                                 |        | 15     | 15     |        |    |                                                                                      |
| 38419 |        | 7/16                                                                                | 26     | 16     | 16     | 27     |    |                                                                                      |
| 38420 |        | 1/2                                                                                 |        |        | 18     | 30     |    |                                                                                      |
| 38421 |        | 9/16                                                                                |        |        | 19     | 35     |    |                                                                                      |



■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

■ MM - 6 PT.

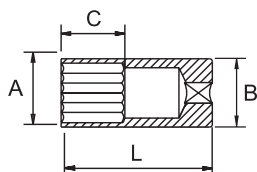


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |    |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|--------------------------------------------------------------------------------------|----|----|
| 38254 | SS 420 | 4                                                                                   | 50     | 12     | 9,0    | 11     | 6  | 40                                                                                   |    |    |
| 38255 |        | 5                                                                                   |        |        | 9,5    |        |    |                                                                                      |    |    |
| 38256 |        | 6                                                                                   |        |        | 11     |        |    |                                                                                      |    |    |
| 38257 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                      |    |    |
| 38258 |        | 8                                                                                   |        | 13     | 13     |        |    |                                                                                      | 42 |    |
| 38259 |        | 9                                                                                   |        | 14     | 14     |        |    |                                                                                      | 46 |    |
| 38260 |        | 10                                                                                  |        | 15     | 15     |        |    |                                                                                      | 50 |    |
| 38261 |        | 11                                                                                  |        | 16     | 16     |        |    |                                                                                      | 14 | 55 |
| 38262 |        | 12                                                                                  |        | 17     |        |        |    |                                                                                      |    |    |
| 38204 |        | 13                                                                                  |        | 18     |        |        |    |                                                                                      |    |    |
| 38263 | 14     | 19                                                                                  | 60     |        |        |        |    |                                                                                      |    |    |



| COD.         | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|--------------|--------|-------|--------|--------|--------|--------|----|----|
| <b>39096</b> | SS 420 | 17    | 50     | 16     | 23     | 15     | 6  | 65 |

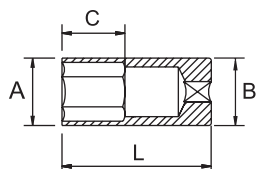
#### MM - 12 PT.



| COD.         | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|--------------|--------|-------|--------|--------|--------|--------|----|----|
| <b>38422</b> | SS 420 | 4     | 50     | 12     | 9,0    | 11     | 12 | 40 |
| <b>38423</b> |        | 5     |        |        | 9,5    |        |    |    |
| <b>38424</b> |        | 6     |        |        | 11     |        |    |    |
| <b>38425</b> |        | 7     |        |        | 12     |        |    |    |
| <b>38426</b> |        | 8     |        | 13     | 13     | 14     | 12 | 42 |
| <b>38427</b> |        | 9     |        |        | 14     |        |    |    |
| <b>38428</b> |        | 10    |        |        | 15     |        |    |    |
| <b>38429</b> |        | 11    |        |        | 16     |        |    |    |
| <b>38430</b> |        | 12    |        | 16     | 17     | 15     | 12 | 55 |
| <b>38431</b> |        | 13    |        |        | 18     |        |    |    |
| <b>38432</b> |        | 14    |        |        | 19     |        |    |    |
| <b>39097</b> |        | 17    |        |        | 23     |        |    |    |



#### INCH - 6 PT.

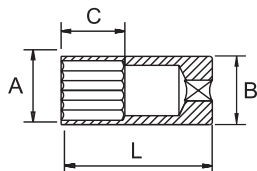


| COD.         | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|--------------|--------|---------|--------|--------|--------|--------|----|----|
| <b>38264</b> | SS 420 | 3/16    | 50     | 12     | 9,5    | 11     | 6  | 40 |
| <b>38265</b> |        | 7/32    |        |        | 11     |        |    |    |
| <b>38266</b> |        | 1/4     |        |        | 12     |        |    |    |
| <b>38267</b> |        | 5/16    |        |        | 13     |        |    |    |
| <b>38268</b> |        | 3/8     |        | 15     | 13     | 14     | 6  | 42 |
| <b>38269</b> |        | 7/16    |        |        | 15     |        |    |    |
| <b>38270</b> |        | 1/2     |        |        | 16     |        |    |    |
| <b>38271</b> |        | 9/16    |        |        | 19     |        |    |    |



■ 1/4"

■ INCH - 12 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|------------------------------------------------------------------------------------|
| 38433 | SS 420 | 3/16                                                                              | 50     | 12     | 9,5    | 11     | 12 | 40                                                                                 |
| 38434 |        | 7/32                                                                              |        |        | 11     |        |    |                                                                                    |
| 38435 |        | 1/4                                                                               |        |        | 12     |        |    |                                                                                    |
| 38436 |        | 5/16                                                                              |        |        | 13     |        |    |                                                                                    |
| 38437 |        | 3/8                                                                               |        | 15     | 15     | 14     |    | 55                                                                                 |
| 38438 |        | 7/16                                                                              |        | 16     |        |        |    |                                                                                    |
| 38439 |        | 1/2                                                                               |        | 16     | 18     |        |    |                                                                                    |
| 38440 |        | 9/16                                                                              |        | 19     | 19     |        |    |                                                                                    |



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



| COD.  | MAT.   | AF<br>inch | L (mm) | A (mm) | B (mm) | C (mm) | g   | Box |
|-------|--------|------------|--------|--------|--------|--------|-----|-----|
| 38203 | SS 420 | 1/4        | 200    | 32     | 15     | 27     | 260 | 1   |



■ **ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ**

| COD.  | MAT.   | AF<br>inch | L (inch) | g  | Box |
|-------|--------|------------|----------|----|-----|
| 38231 | SS 420 | 1/4        | 3        | 60 | 1   |



■ **PUNTAS ATORNILLADORAS CON VASO / SOCKET BITS / EMBOUTS DE VISSAGE AVEC DOUILLE / STECKSCHLÜSSELEINSATZ / INSERTI A BUSSOLA / PONTAS APARAFUSADORAS COM CAIXA / ГОЛОВКИ-БИТЫ**

| COD.  | MAT.   | mm  | L (mm) | g  | Box | Box |
|-------|--------|-----|--------|----|-----|-----|
| 39046 | SS 420 | 2   | 55     | 15 | ●   | 10  |
| 39049 |        | 3   |        | 16 |     |     |
| 39078 |        | 3,5 |        | 17 |     |     |
| 39050 |        | 4   |        | 19 |     |     |
| 39051 |        | 5   | 65     | 25 |     |     |
| 39052 |        | 6   |        | 42 |     |     |
| 39053 |        | 8   |        | 60 |     |     |
| 39054 |        | 10  |        |    |     |     |



■ **ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELN / SNODO CARDANICO / CARDAN UNIVERSAL / ШАРНИР**

| COD.  | MAT.   | AF<br>inch | L (mm) | g  | Box | Box |
|-------|--------|------------|--------|----|-----|-----|
| 39048 | SS 420 | 1/4        | 20     | 10 | ●   |     |

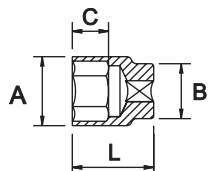


■ **MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / QUERGRIF / ASTA CON QUADRO SCORREVOLO / CABO "T" CORREDICO / ПОДВИЖНАЯ "Т" РУЧКА**

| COD.  | MAT.   | AF<br>inch | L (mm) | g   | Box | Box |
|-------|--------|------------|--------|-----|-----|-----|
| 39111 | SS 420 | 1/4        | 250    | 300 | 5   | ●   |



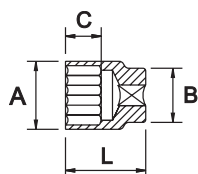
- 3/8"
- STANDARD
- MM - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| 38274 | SS 420 | 6                                                                                 | 28     | 18     | 11     | 13     | 6  | 35                                                                                  |
| 38275 |        | 7                                                                                 |        |        | 12     |        |    |                                                                                     |
| 38276 |        | 8                                                                                 |        |        | 13     |        |    |                                                                                     |
| 38277 |        | 9                                                                                 |        |        | 14     |        |    |                                                                                     |
| 38278 |        | 10                                                                                | 15     | 20     | 20     | 50     |    |                                                                                     |
| 38279 |        | 11                                                                                | 16     |        |        |        |    |                                                                                     |
| 38280 |        | 12                                                                                | 18     |        |        |        |    |                                                                                     |
| 38281 |        | 13                                                                                | 19     |        |        |        |    |                                                                                     |
| 38282 |        | 14                                                                                | 20     |        |        |        |    |                                                                                     |
| 38283 |        | 15                                                                                | 21     |        |        |        | 20 | 65                                                                                  |
| 38284 |        | 16                                                                                | 22     |        |        |        |    |                                                                                     |
| 38285 |        | 17                                                                                | 23     |        |        |        |    |                                                                                     |
| 38286 |        | 19                                                                                | 24     |        |        |        |    |                                                                                     |
| 38287 |        | 20                                                                                | 26     |        | 22     |        | 75 |                                                                                     |
| 38288 |        | 22                                                                                | 27     |        |        |        |    |                                                                                     |
|       |        |                                                                                   | 35     | 30     | 25     | 22     | 80 |                                                                                     |



- MM - 12 PT.

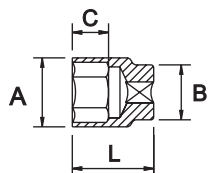


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|--|
| 38443 | SS 420 | 6                                                                                   | 28     | 18     | 11     | 13     | 6  | 35                                                                                    |  |
| 38444 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                       |  |
| 38445 |        | 8                                                                                   |        |        | 13     |        |    |                                                                                       |  |
| 38446 |        | 9                                                                                   |        |        | 14     |        |    |                                                                                       |  |
| 38447 |        | 10                                                                                  | 32     | 20     | 15     | 20     | 6  | 50                                                                                    |  |
| 38448 |        | 11                                                                                  |        |        | 16     |        |    |                                                                                       |  |
| 38449 |        | 12                                                                                  |        |        | 18     |        |    |                                                                                       |  |
| 38450 |        | 13                                                                                  |        |        | 19     |        |    |                                                                                       |  |
| 38451 |        | 14                                                                                  |        |        | 20     |        |    |                                                                                       |  |
| 38452 |        | 15                                                                                  |        |        | 22     |        |    |                                                                                       |  |
| 38453 |        | 16                                                                                  |        |        | 23     |        |    |                                                                                       |  |
| 38454 |        | 17                                                                                  |        |        | 24     | 20     |    | 65                                                                                    |  |
| 38455 |        | 19                                                                                  |        |        | 26     |        |    |                                                                                       |  |
| 38456 |        | 20                                                                                  |        |        | 27     |        |    |                                                                                       |  |
| 38457 |        | 22                                                                                  |        |        | 30     |        |    |                                                                                       |  |
|       |        |                                                                                     | 35     | 30     | 25     | 22     |    | 80                                                                                    |  |



■ 3/8"

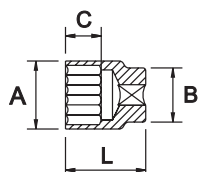
■ INCH - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|------------------------------------------------------------------------------------|
| 38289 | SS 420 | 1/4                                                                               | 28     | 18     | 11     | 13     | 6  | 35                                                                                 |
| 38290 |        | 5/16                                                                              |        |        | 13     |        |    |                                                                                    |
| 38291 |        | 3/8                                                                               |        |        | 15     |        |    |                                                                                    |
| 38292 |        | 7/16                                                                              | 32     | 20     | 16     | 20     | 50 |                                                                                    |
| 38293 |        | 1/2                                                                               |        |        | 19     |        |    |                                                                                    |
| 38294 |        | 9/16                                                                              |        | 21     | 20     |        |    |                                                                                    |
| 38295 |        | 5/8                                                                               | 23     | 21     | 24     | 60     |    |                                                                                    |
| 38296 |        | 11/16                                                                             | 24     | 65     |        |        |    |                                                                                    |
| 38297 |        | 3/4                                                                               | 26     | 70     |        |        |    |                                                                                    |
| 38298 |        | 13/16                                                                             | 27     | 75     |        |        |    |                                                                                    |
| 38616 |        | 1                                                                                 | 30     | 25     | 22     | 80     |    |                                                                                    |



■ INCH - 12 PT.



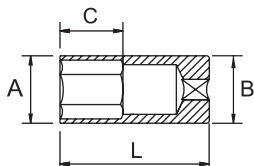
| COD.  | MAT.   | <div><div>AF</div><div>inch</div><div>↑<br/>↓</div></div> | L (mm) | A (mm) | B (mm) | C (mm) | Pt | <div><div>g</div><div></div><div>↑<br/>↓</div></div> |
|-------|--------|-----------------------------------------------------------|--------|--------|--------|--------|----|------------------------------------------------------|
| 38458 | SS 420 | 1/4                                                       | 28     | 18     | 11     | 13     | 12 | 35                                                   |
| 38459 |        | 5/16                                                      |        |        | 13     |        |    |                                                      |
| 38460 |        | 3/8                                                       |        |        | 15     |        |    |                                                      |
| 38461 |        | 7/16                                                      | 20     | 16     | 50     |        |    |                                                      |
| 38462 |        | 1/2                                                       | 19     |        |        |        |    |                                                      |
| 38463 |        | 9/16                                                      | 21     | 20     |        |        |    |                                                      |
| 38464 |        | 5/8                                                       | 32     | 23     | 21     | 60     |    |                                                      |
| 38465 |        | 11/16                                                     |        | 24     | 20     | 65     |    |                                                      |
| 38466 |        | 3/4                                                       |        | 26     |        | 24     | 70 |                                                      |
| 38467 |        | 13/16                                                     | 27     | 75     |        |        |    |                                                      |
| 38468 | 1      | 30                                                        | 25     | 22     | 80     |        |    |                                                      |



■ 3/8"

■ **SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ**

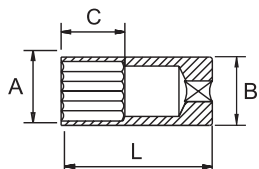
■ **MM - 6 PT.**



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|-----|-------------------------------------------------------------------------------------|
| 38301 | SS 420 | 6                                                                                 | 60     | 18     | 11     | 13     | 6   | 90                                                                                  |
| 38302 |        | 7                                                                                 |        |        | 12     |        |     |                                                                                     |
| 38303 |        | 8                                                                                 |        |        | 13     |        |     |                                                                                     |
| 38304 |        | 9                                                                                 |        |        | 14     |        |     |                                                                                     |
| 38305 |        | 10                                                                                |        | 15     | 95     |        |     |                                                                                     |
| 38306 |        | 11                                                                                |        | 16     | 100    |        |     |                                                                                     |
| 38307 |        | 12                                                                                |        | 18     | 105    |        |     |                                                                                     |
| 38308 |        | 13                                                                                |        | 19     | 110    |        |     |                                                                                     |
| 38309 |        | 14                                                                                |        | 21     | 20     | 115    |     |                                                                                     |
| 38310 |        | 15                                                                                |        | 22     | 21     | 20     | 120 |                                                                                     |
| 38311 |        | 16                                                                                |        | 23     |        |        | 125 |                                                                                     |
| 38312 |        | 17                                                                                |        | 24     | 24     |        | 140 |                                                                                     |
| 38313 |        | 19                                                                                |        | 26     | 145    |        |     |                                                                                     |
| 38314 |        | 20                                                                                |        | 27     | 150    |        |     |                                                                                     |
| 38315 |        | 22                                                                                |        | 30     | 25     | 22     | 150 |                                                                                     |



■ **MM - 12 PT.**

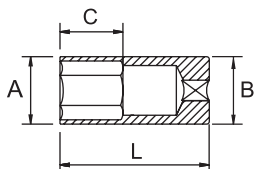


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt  |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|-----|---------------------------------------------------------------------------------------|
| 38470 | SS 420 | 6                                                                                   | 60     | 18     | 11     | 13     | 12  | 90                                                                                    |
| 38471 |        | 7                                                                                   |        |        | 12     |        |     |                                                                                       |
| 38472 |        | 8                                                                                   |        |        | 13     |        |     |                                                                                       |
| 38473 |        | 9                                                                                   |        |        | 14     |        |     |                                                                                       |
| 38474 |        | 10                                                                                  |        | 15     | 95     |        |     |                                                                                       |
| 38475 |        | 11                                                                                  |        | 20     | 16     | 20     | 100 |                                                                                       |
| 38476 |        | 12                                                                                  |        |        | 18     |        | 105 |                                                                                       |
| 38477 |        | 13                                                                                  |        |        | 19     |        | 110 |                                                                                       |
| 38478 |        | 14                                                                                  |        |        | 21     |        | 20  | 115                                                                                   |
| 38479 |        | 15                                                                                  |        | 22     | 24     |        | 20  | 120                                                                                   |
| 38480 |        | 16                                                                                  |        | 23     |        | 125    |     |                                                                                       |
| 38481 |        | 17                                                                                  |        | 24     |        | 140    |     |                                                                                       |
| 38482 |        | 19                                                                                  |        | 26     |        | 145    |     |                                                                                       |
| 38483 |        | 20                                                                                  |        | 27     |        | 150    |     |                                                                                       |
| 38484 |        | 22                                                                                  |        | 30     | 25     | 22     | 150 |                                                                                       |



■ 3/8"

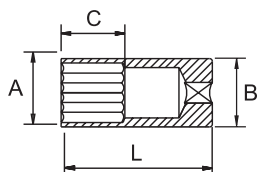
■ INCH - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt  |  |     |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|-----|------------------------------------------------------------------------------------|-----|
| 38316 | SS 420 | 1/4                                                                               | 60     | 18     | 11     | 13     | 6   | 90                                                                                 |     |
| 38317 |        | 5/16                                                                              |        |        | 13     |        |     |                                                                                    |     |
| 38318 |        | 3/8                                                                               |        |        | 15     |        |     |                                                                                    | 95  |
| 38319 |        | 7/16                                                                              |        | 16     |        |        |     |                                                                                    |     |
| 38320 |        | 1/2                                                                               |        | 19     | 100    |        |     |                                                                                    |     |
| 38321 |        | 9/16                                                                              |        | 21     |        | 20     |     |                                                                                    |     |
| 38322 |        | 5/8                                                                               |        | 23     |        | 21     |     | 120                                                                                |     |
| 38323 |        | 11/16                                                                             |        | 24     |        | 20     |     |                                                                                    | 125 |
| 38324 |        | 3/4                                                                               |        | 26     |        |        |     |                                                                                    |     |
| 38325 |        | 13/16                                                                             |        | 27     | 140    |        |     |                                                                                    |     |
| 38619 | 1      | 30                                                                                | 25     | 22     |        | 145    | 150 |                                                                                    |     |



■ INCH - 12 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|--------------------------------------------------------------------------------------|
| 38485 | SS 420 | 1/4                                                                                 | 60     | 18     | 11     | 13     | 12 | 90                                                                                   |
| 38486 |        | 5/16                                                                                |        |        | 13     |        |    |                                                                                      |
| 38487 |        | 3/8                                                                                 |        |        | 15     |        |    |                                                                                      |
| 38488 |        | 7/16                                                                                |        | 20     | 16     | 20     |    | 95                                                                                   |
| 38489 |        | 1/2                                                                                 |        |        | 19     |        |    |                                                                                      |
| 38490 |        | 9/16                                                                                |        |        | 20     |        |    |                                                                                      |
| 38491 |        | 5/8                                                                                 |        | 23     | 21     | 24     |    | 120                                                                                  |
| 38492 |        | 11/16                                                                               |        | 24     | 125    |        |    |                                                                                      |
| 38493 |        | 3/4                                                                                 |        | 26     | 140    |        |    |                                                                                      |
| 38494 |        | 13/16                                                                               |        | 27     | 145    |        |    |                                                                                      |
| 38620 |        | 1                                                                                   |        | 30     | 25     | 22     |    | 150                                                                                  |



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



| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | g   |   |
|-------|--------|---------|--------|--------|--------|--------|-----|---|
| 38988 | SS 420 | 3/8     | 200    | 32     | 13     | 30     | 240 | 1 |



■ **ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEIL / ADATTATORE / REDUTOR / АДАПТЕР**

| COD.  | MAT.   |             | g  |
|-------|--------|-------------|----|
| 30150 | SS 420 | 3/8" - 1/2" | 55 |

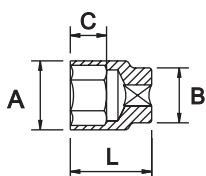


ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENÇÃO / УДЛИНИТЕЛЬ

| COD.  | MAT.   | AF<br>inch | L (inch) | g   |   |   |
|-------|--------|------------|----------|-----|---|---|
| 38232 | SS 420 | 3/8"       | 3"       | 80  | 1 | ● |
| 39015 |        |            | 8"       | 250 |   |   |



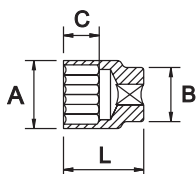
- 1/2"
- STANDARD
- MM - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| 38326 | SS 420 | 6                                                                                 | 40     | 24     | 13     | 18     | 6  | 75                                                                                  |
| 38327 |        | 7                                                                                 |        |        | 14     |        |    |                                                                                     |
| 38328 |        | 8                                                                                 |        |        | 15     |        |    |                                                                                     |
| 38329 |        | 9                                                                                 |        |        | 16     |        |    |                                                                                     |
| 38330 |        | 10                                                                                |        |        | 17     |        |    |                                                                                     |
| 38331 |        | 11                                                                                |        |        | 18     |        |    |                                                                                     |
| 38332 |        | 12                                                                                |        |        | 19     |        |    |                                                                                     |
| 38187 |        | 13                                                                                |        |        | 20     |        |    |                                                                                     |
| 38333 |        | 14                                                                                |        |        | 21     |        |    |                                                                                     |
| 38334 |        | 15                                                                                |        |        | 23     |        |    |                                                                                     |
| 38335 |        | 16                                                                                |        | 25     | 24     |        |    | 95                                                                                  |
| 38188 |        | 17                                                                                |        |        |        |        |    |                                                                                     |
| 38336 |        | 18                                                                                |        | 26     | 25     |        |    |                                                                                     |
| 38189 |        | 19                                                                                | 42     | 28     | 110    |        |    |                                                                                     |
| 38337 |        | 20                                                                                | 29     | 120    |        |        |    |                                                                                     |
| 38338 |        | 21                                                                                | 30     | 125    |        |        |    |                                                                                     |
| 38190 |        | 22                                                                                | 31     | 26     | 130    |        |    |                                                                                     |
| 38339 |        | 23                                                                                | 43     | 33     | 150    |        |    |                                                                                     |
| 38198 |        | 24                                                                                | 34     | 28     | 22     | 165    |    |                                                                                     |
| 38340 |        | 25                                                                                | 36     | 180    |        |        |    |                                                                                     |
| 38341 |        | 26                                                                                | 37     | 200    |        |        |    |                                                                                     |
| 38199 |        | 27                                                                                | 38     | 220    |        |        |    |                                                                                     |
| 38342 |        | 28                                                                                | 39     | 30     | 230    |        |    |                                                                                     |
| 38343 |        | 29                                                                                | 46     | 41     | 240    |        |    |                                                                                     |
| 38221 |        | 30                                                                                | 42     | 250    |        |        |    |                                                                                     |
| 38222 |        | 32                                                                                | 43     | 34     | 300    |        |    |                                                                                     |
| 39033 |        | 34                                                                                | 50     | 48     | 36     | 25     |    | 400                                                                                 |
| 38223 |        | 36                                                                                | 50     | 410    |        |        |    |                                                                                     |



- MM - 12 PT.

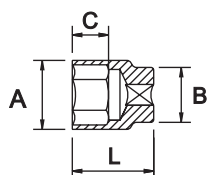


| COD.  | MAT.   | AF<br>mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|-------|--------|----------|--------|--------|--------|--------|----|----|
| 38495 | SS 420 | 6        | 40     | 24     | 13     | 18     | 12 | 75 |
| 38496 |        | 7        |        |        | 14     |        |    |    |
| 38497 |        | 8        |        |        | 15     |        |    |    |
| 38498 |        | 9        |        |        | 16     |        |    | 80 |



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt  |  |    |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|-----|-------------------------------------------------------------------------------------|----|
| 38499 | SS 420 | 10                                                                                | 40     | 24     | 17     | 18     | 12  | 80                                                                                  |    |
| 38500 |        | 11                                                                                |        |        | 18     |        |     |                                                                                     |    |
| 38501 |        | 12                                                                                |        |        | 19     |        |     |                                                                                     |    |
| 38502 |        | 13                                                                                |        |        | 20     |        |     |                                                                                     |    |
| 38503 |        | 14                                                                                |        |        | 21     |        |     |                                                                                     |    |
| 38504 |        | 15                                                                                |        |        | 23     |        |     |                                                                                     |    |
| 38505 |        | 16                                                                                | 42     | 25     | 24     | 22     | 12  | 95                                                                                  |    |
| 38506 |        | 17                                                                                |        |        | 25     |        |     |                                                                                     |    |
| 38507 |        | 18                                                                                |        |        | 26     |        |     |                                                                                     | 25 |
| 38508 |        | 19                                                                                |        |        | 28     |        |     |                                                                                     | 26 |
| 38509 |        | 20                                                                                |        |        | 29     |        |     |                                                                                     |    |
| 38510 |        | 21                                                                                |        |        | 30     |        |     |                                                                                     |    |
| 38511 |        | 22                                                                                |        |        | 31     |        |     |                                                                                     |    |
| 38512 |        | 23                                                                                | 43     | 33     |        |        |     |                                                                                     |    |
| 38513 |        | 24                                                                                |        | 34     | 28     | 22     |     |                                                                                     |    |
| 38514 |        | 25                                                                                |        | 36     |        |        |     |                                                                                     |    |
| 38515 |        | 26                                                                                |        | 37     |        |        |     |                                                                                     |    |
| 38516 |        | 27                                                                                |        | 38     |        |        |     |                                                                                     |    |
| 38517 |        | 28                                                                                |        | 39     |        |        |     | 30                                                                                  |    |
| 38518 |        | 29                                                                                | 46     | 41     |        |        |     | 34                                                                                  | 25 |
| 38519 |        | 30                                                                                |        | 42     |        |        |     |                                                                                     |    |
| 38520 |        | 32                                                                                |        | 43     |        |        |     |                                                                                     |    |
| 39034 |        | 34                                                                                |        | 48     |        |        |     |                                                                                     |    |
| 38521 |        | 36                                                                                | 50     | 50     | 36     | 25     | 410 |                                                                                     |    |

■ INCH - 6 PT.

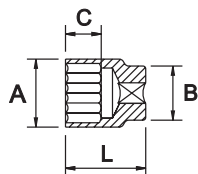


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|
| 38344 | SS 420 | 1/4                                                                                 | 40     | 24     | 13     | 18     | 6  | 75                                                                                    |
| 38345 |        | 5/16                                                                                |        |        | 15     |        |    |                                                                                       |
| 38346 |        | 3/8                                                                                 |        |        | 17     |        |    |                                                                                       |
| 38347 |        | 7/16                                                                                |        |        | 18     |        |    |                                                                                       |
| 38348 |        | 1/2                                                                                 |        |        | 20     |        |    |                                                                                       |
| 38349 |        | 9/16                                                                                |        |        | 21     |        |    |                                                                                       |
| 38350 |        | 19/32                                                                               | 42     | 25     | 23     | 22     |    | 120                                                                                   |
| 38351 |        | 5/8                                                                                 |        |        | 24     |        |    |                                                                                       |
| 38352 |        | 11/16                                                                               |        |        | 25     |        |    |                                                                                       |
| 38353 |        | 3/4                                                                                 |        |        | 28     |        |    |                                                                                       |
| 38354 |        | 25/32                                                                               |        |        | 29     |        |    |                                                                                       |
| 38355 |        | 13/16                                                                               | 43     | 31     | 26     | 25     |    | 130                                                                                   |
| 38356 |        | 7/8                                                                                 |        |        | 31     |        |    |                                                                                       |
| 38357 |        | 15/16                                                                               |        |        | 34     |        |    |                                                                                       |
| 38358 |        | 1                                                                                   |        |        | 36     |        |    |                                                                                       |
| 38359 |        | 1.1/16                                                                              |        |        | 38     |        |    |                                                                                       |
| 38360 |        | 1.1/8                                                                               | 46     | 41     | 30     | 25     |    | 240                                                                                   |
| 38361 |        | 1.3/16                                                                              |        |        | 42     |        |    |                                                                                       |
| 38362 |        | 1.1/4                                                                               |        |        | 43     |        |    |                                                                                       |
| 38363 |        | 1.7/16                                                                              | 50     | 50     | 36     | 25     |    | 410                                                                                   |



■ 1/2"

■ INCH - 12 PT.

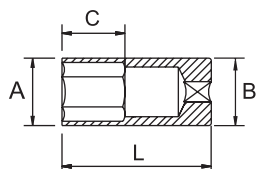


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|-----|-------------------------------------------------------------------------------------|
| 38522 | SS 420 | 1/4                                                                               | 40     | 24     | 13     | 18     | 12  | 75                                                                                  |
| 38523 |        | 5/16                                                                              |        |        | 15     |        |     |                                                                                     |
| 38524 |        | 3/8                                                                               |        |        | 17     |        |     |                                                                                     |
| 38525 |        | 7/16                                                                              |        |        | 18     |        |     |                                                                                     |
| 38526 |        | 1/2                                                                               |        |        | 20     |        |     |                                                                                     |
| 38527 |        | 9/16                                                                              | 42     | 25     | 21     | 22     | 80  |                                                                                     |
| 38528 |        | 19/32                                                                             |        |        | 23     |        |     |                                                                                     |
| 38529 |        | 5/8                                                                               |        |        | 24     |        |     |                                                                                     |
| 38530 |        | 11/16                                                                             | 43     | 28     | 25     | 22     | 95  |                                                                                     |
| 38531 |        | 3/4                                                                               |        |        | 28     |        |     |                                                                                     |
| 38532 |        | 25/32                                                                             |        |        | 29     |        |     |                                                                                     |
| 38533 |        | 13/16                                                                             |        |        | 26     |        |     |                                                                                     |
| 38534 |        | 7/8                                                                               | 46     | 30     | 31     | 25     | 110 |                                                                                     |
| 38535 |        | 15/16                                                                             |        |        | 34     |        |     |                                                                                     |
| 38536 |        | 1                                                                                 |        |        | 36     |        |     |                                                                                     |
| 38537 |        | 1.1/16                                                                            |        |        | 38     |        |     |                                                                                     |
| 38538 |        | 1.1/8                                                                             | 50     | 50     | 34     | 41     | 25  | 120                                                                                 |
| 38539 |        | 1.3/16                                                                            |        |        |        | 42     |     |                                                                                     |
| 38540 |        | 1.1/4                                                                             |        |        |        | 43     |     |                                                                                     |
| 38541 |        | 1.7/16                                                                            | 50     | 50     | 36     | 25     | 410 |                                                                                     |



■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

■ MM - 6 PT.

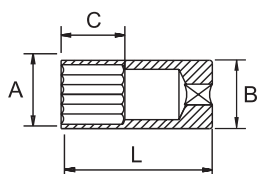


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|
| 38364 | SS 420 | 6                                                                                   | 82     | 24     | 13     | 18     | 6  | 195                                                                                   |
| 38365 |        | 7                                                                                   |        |        | 14     |        |    |                                                                                       |
| 38366 |        | 8                                                                                   |        |        | 15     |        |    |                                                                                       |
| 38367 |        | 9                                                                                   |        |        | 16     |        |    |                                                                                       |
| 38368 |        | 10                                                                                  |        |        | 17     |        |    |                                                                                       |
| 38369 |        | 11                                                                                  |        |        | 18     |        |    |                                                                                       |
| 38370 |        | 12                                                                                  |        | 19     | 200    |        |    |                                                                                       |
| 38371 |        | 13                                                                                  |        | 20     |        |        |    |                                                                                       |
| 38372 |        | 14                                                                                  |        | 21     |        |        |    |                                                                                       |
| 38373 |        | 15                                                                                  |        | 23     |        |        |    |                                                                                       |
| 38374 |        | 16                                                                                  |        | 24     |        |        |    |                                                                                       |
| 38224 |        | 17                                                                                  |        | 25     |        | 230    |    |                                                                                       |
| 38375 |        | 18                                                                                  |        |        | 26     |        |    |                                                                                       |
| 38205 |        | 19                                                                                  |        |        | 28     |        |    |                                                                                       |
| 38376 |        | 20                                                                                  |        |        | 29     |        |    | 22                                                                                    |
| 38377 |        | 21                                                                                  |        |        | 30     |        |    |                                                                                       |
| 38225 |        | 22                                                                                  |        |        | 31     |        |    |                                                                                       |
| 38378 |        | 23                                                                                  |        | 33     | 280    |        |    |                                                                                       |



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| 38226 | SS 420 | 24                                                                                | 82     | 34     | 28     | 22     | 6  | 310                                                                                 |
| 38379 |        | 25                                                                                |        | 36     |        |        |    | 380                                                                                 |
| 38380 |        | 26                                                                                |        | 37     | 30     |        |    | 420                                                                                 |
| 38227 |        | 27                                                                                |        | 38     |        |        |    | 430                                                                                 |
| 38381 |        | 28                                                                                |        | 39     | 34     |        |    | 450                                                                                 |
| 38382 |        | 29                                                                                |        | 41     |        |        |    | 490                                                                                 |
| 38228 |        | 30                                                                                |        | 42     | 36     |        |    | 550                                                                                 |
| 38229 |        | 32                                                                                |        | 43     |        | 25     |    | 750                                                                                 |
| 38998 |        | 34                                                                                |        | 48     |        |        |    |                                                                                     |
| 38230 |        | 36                                                                                |        | 50     |        |        |    |                                                                                     |

■ **MM - 12 PT.**

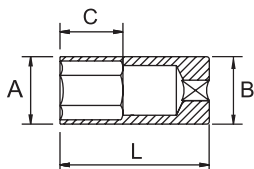


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |     |     |     |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|-----|-----|-----|--|
| 38542 | SS 420 | 6                                                                                 | 82     | 24     | 13     | 18     | 12 | 195                                                                                 |     |     |     |  |
| 38543 |        | 7                                                                                 |        |        | 14     |        |    |                                                                                     |     |     |     |  |
| 38544 |        | 8                                                                                 |        |        | 15     |        |    |                                                                                     |     |     |     |  |
| 38545 |        | 9                                                                                 |        |        | 16     |        |    |                                                                                     |     |     |     |  |
| 38546 |        | 10                                                                                |        |        | 17     |        |    |                                                                                     |     |     |     |  |
| 38547 |        | 11                                                                                |        |        | 18     |        |    | 200                                                                                 |     |     |     |  |
| 38548 |        | 12                                                                                |        |        | 19     |        |    |                                                                                     |     |     |     |  |
| 38549 |        | 13                                                                                |        |        | 20     |        |    |                                                                                     |     |     |     |  |
| 38550 |        | 14                                                                                |        |        | 21     |        |    |                                                                                     |     |     |     |  |
| 38551 |        | 15                                                                                |        |        | 23     |        |    |                                                                                     |     |     |     |  |
| 38552 |        | 16                                                                                |        | 25     | 24     | 22     |    | 230                                                                                 |     |     |     |  |
| 38553 |        | 17                                                                                |        | 26     | 30     |        |    |                                                                                     |     |     |     |  |
| 38554 |        | 18                                                                                |        |        |        |        |    |                                                                                     | 25  |     |     |  |
| 38555 |        | 19                                                                                |        |        |        |        |    |                                                                                     | 240 |     |     |  |
| 38556 |        | 20                                                                                |        |        |        |        |    |                                                                                     |     |     |     |  |
| 38557 |        | 21                                                                                |        |        |        |        |    |                                                                                     |     |     |     |  |
| 38558 |        | 22                                                                                |        |        |        |        |    | 250                                                                                 |     |     |     |  |
| 38559 |        | 23                                                                                |        |        |        |        |    |                                                                                     |     |     |     |  |
| 38560 |        | 24                                                                                |        |        |        |        |    |                                                                                     | 28  | 22  |     |  |
| 38561 |        | 25                                                                                |        |        |        |        |    |                                                                                     |     |     | 310 |  |
| 38562 |        | 26                                                                                |        |        |        |        |    | 380                                                                                 |     |     |     |  |
| 38563 |        | 27                                                                                |        |        |        |        |    | 420                                                                                 |     |     |     |  |
| 38564 |        | 28                                                                                |        |        |        |        |    | 39                                                                                  | 30  | 430 |     |  |
| 38565 |        | 29                                                                                |        |        |        |        |    | 41                                                                                  |     | 450 |     |  |
| 38566 |        | 30                                                                                |        |        |        |        |    | 42                                                                                  |     | 490 |     |  |
| 38567 |        | 32                                                                                |        | 43     | 34     |        |    | 550                                                                                 |     |     |     |  |
| 39035 |        | 34                                                                                |        | 48     | 36     |        |    | 750                                                                                 |     |     |     |  |
| 38568 |        | 36                                                                                |        | 50     |        |        |    |                                                                                     |     |     |     |  |



■ 1/2"

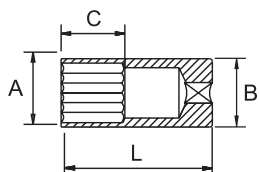
■ INCH - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt  |  |     |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|-----|-------------------------------------------------------------------------------------|-----|--|
| 38383 | SS 420 | 1/4                                                                               | 80     | 24     | 13     | 18     | 6   | 195                                                                                 |     |  |
| 38384 |        | 5/16                                                                              |        |        | 15     |        |     |                                                                                     |     |  |
| 38385 |        | 3/8                                                                               |        |        | 17     |        |     |                                                                                     |     |  |
| 38386 |        | 7/16                                                                              |        |        | 18     |        |     |                                                                                     | 200 |  |
| 38387 |        | 1/2                                                                               |        |        | 20     |        |     |                                                                                     |     |  |
| 38388 |        | 9/16                                                                              |        |        | 21     |        |     |                                                                                     |     |  |
| 38389 |        | 19/32                                                                             |        |        | 23     |        |     |                                                                                     | 230 |  |
| 38390 |        | 5/8                                                                               |        | 25     | 24     |        |     |                                                                                     |     |  |
| 38391 |        | 11/16                                                                             |        | 28     | 25     | 22     | 6   |                                                                                     |     |  |
| 38392 |        | 3/4                                                                               |        |        |        |        |     |                                                                                     |     |  |
| 38393 |        | 25/32                                                                             |        | 29     | 26     |        |     | 240                                                                                 |     |  |
| 38394 |        | 13/16                                                                             |        | 31     | 28     |        |     |                                                                                     |     |  |
| 38395 |        | 7/8                                                                               |        |        |        |        |     |                                                                                     |     |  |
| 38396 |        | 15/16                                                                             |        | 34     | 30     |        |     | 310                                                                                 |     |  |
| 38397 |        | 1                                                                                 |        | 36     |        |        |     | 380                                                                                 |     |  |
| 38398 |        | 1.1/16                                                                            |        | 38     | 34     |        |     | 420                                                                                 |     |  |
| 38399 |        | 1.1/8                                                                             |        | 41     |        |        |     | 450                                                                                 |     |  |
| 38400 |        | 1.3/16                                                                            |        | 42     | 36     |        |     | 490                                                                                 |     |  |
| 38401 |        | 1.1/4                                                                             |        | 43     | 25     |        |     | 550                                                                                 |     |  |
| 38402 |        | 1.7/16                                                                            |        | 50     |        |        | 750 |                                                                                     |     |  |



■ INCH - 12 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|--|--|
| 38569 | SS 420 | 1/4                                                                                 | 80     | 24     | 13     | 18     | 12 | 195                                                                                   |  |  |
| 38570 |        | 5/16                                                                                |        |        | 15     |        |    |                                                                                       |  |  |
| 38571 |        | 3/8                                                                                 |        |        | 17     |        |    |                                                                                       |  |  |
| 38572 |        | 7/16                                                                                |        |        | 18     |        |    | 200                                                                                   |  |  |
| 38573 |        | 1/2                                                                                 |        |        | 20     |        |    |                                                                                       |  |  |
| 38574 |        | 9/16                                                                                |        |        | 21     |        |    |                                                                                       |  |  |
| 38575 |        | 19/32                                                                               |        |        | 23     |        |    |                                                                                       |  |  |
| 38576 |        | 5/8                                                                                 |        | 25     | 24     | 22     | 12 | 230                                                                                   |  |  |
| 38577 |        | 11/16                                                                               |        | 28     | 25     |        |    |                                                                                       |  |  |
| 38578 |        | 3/4                                                                                 |        |        |        |        |    |                                                                                       |  |  |
| 38579 |        | 25/32                                                                               |        | 29     | 26     |        |    | 240                                                                                   |  |  |
| 38580 |        | 13/16                                                                               |        | 31     | 28     |        |    |                                                                                       |  |  |
| 38581 |        | 7/8                                                                                 |        |        |        |        |    | 250                                                                                   |  |  |
| 38582 |        | 15/16                                                                               |        | 34     | 30     |        |    | 310                                                                                   |  |  |
| 38583 |        | 1                                                                                   |        | 36     |        |        |    | 380                                                                                   |  |  |
| 38584 |        | 1.1/16                                                                              |        | 38     | 34     |        |    | 420                                                                                   |  |  |
| 38585 |        | 1.1/8                                                                               |        | 41     |        |        |    | 450                                                                                   |  |  |
| 38586 |        | 1.3/16                                                                              |        | 42     | 36     |        |    | 490                                                                                   |  |  |
| 38587 | 1.1/4  | 43                                                                                  | 25     |        | 550    |        |    |                                                                                       |  |  |
| 38588 | 1.7/16 | 50                                                                                  |        |        | 750    |        |    |                                                                                       |  |  |



1/2"

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



| COD.  | MAT.   | AF<br>inch | A (mm) | B (mm) | C (mm) | L (mm) | g   |
|-------|--------|------------|--------|--------|--------|--------|-----|
| 38200 | SS 420 | 1/2        | 40     | 20     | 41     | 250    | 550 |



ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ

| COD.  | MAT.   | AF<br>inch | L (inch) | g   |   |   |
|-------|--------|------------|----------|-----|---|---|
| 38220 | SS 420 | 1/2        | 4        | 350 | 5 | • |
| 38218 |        |            | 5        | 360 |   |   |
| 38824 |        |            | 8        | 380 |   |   |
| 38825 |        |            | 10       | 460 |   |   |



PUNTAS ATORNILLADORAS CON VASO / SOCKET BITS / EMBOUTS DE VISSAGE AVEC DOUILLE / STECKSCHLÜSSELEINSATZ / INSERTI A BUSSOLA / PONTAS APARAFUSADORAS COM CAIXA / ГОЛОВКИ-БИТЫ

| COD.  | MAT.   | mm  | L (mm) | g  |   |    |
|-------|--------|-----|--------|----|---|----|
| 39081 | SS 420 | 4   | 65     | 65 | • | 10 |
| 39082 |        | 5   |        |    |   |    |
| 39083 |        | 5,5 |        |    |   |    |
| 38992 |        | 6   |        |    |   |    |
| 39043 |        | 7   |        |    |   |    |
| 38993 |        | 8   |        |    |   |    |
| 39084 |        | 9   |        |    |   |    |
| 38994 |        | 10  |        |    |   |    |
| 38995 |        | 12  |        |    |   |    |
| 39085 |        | 14  |        |    |   |    |
| 38996 |        | 16  |        |    |   |    |
| 38997 |        | 20  |        |    |   |    |



ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELENK / SNODO CARDANICO / CARDAN UNIVERSAL / ШАРНИР

| COD.  | MAT.   | AF<br>inch | L (mm) | g  |   |  |
|-------|--------|------------|--------|----|---|--|
| 38829 | SS 420 | 1/2        | 170    | 10 | • |  |

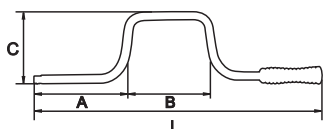


MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / QUERGRIF / ASTA CON QUADRO SCORREVOLO / CABO "T" CORREDICO / ПОДВИЖНАЯ "Т" РУЧКА

| COD.  | MAT.   | AF<br>inch | L (mm) | g    |   |   |
|-------|--------|------------|--------|------|---|---|
| 38830 | SS 420 | 1/2        | 250    | 330  | 5 | • |
| 39014 |        | 3/4        | 300    | 1000 |   |   |



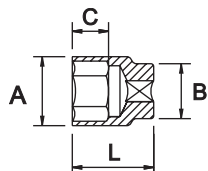
BERBIQUÍ / SPEEDER HANDLE / VILLEBREQUIN / KURBEL / LEVA GIROBECCHINO / MANIVELA / КОЛЕНЧАТАЯ РУЧКА



| COD.  | MAT.   | AF<br>inch | L (mm) | A (mm) | B (mm) | C (mm) | g   |   |
|-------|--------|------------|--------|--------|--------|--------|-----|---|
| 38831 | SS 420 | 1/2        | 380    | 135    | 140    | 100    | 500 | 5 |



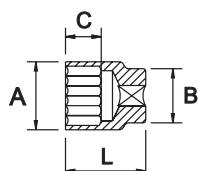
- 3/4"
- STANDARD
- MM - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |      |    |     |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|------|----|-----|
| 38671 | SS 420 | 17                                                                                | 50     | 38     | 28     | 22     | 6  | 250                                                                                 |      |    |     |
| 38672 |        | 19                                                                                |        |        | 30     |        |    |                                                                                     |      |    |     |
| 38673 |        | 21                                                                                |        |        | 32     |        |    |                                                                                     |      |    |     |
| 38674 |        | 22                                                                                |        |        | 33     |        |    |                                                                                     |      |    |     |
| 38675 |        | 23                                                                                | 55     | 40     | 34     | 25     |    | 270                                                                                 |      |    |     |
| 38676 |        | 24                                                                                |        |        | 35     |        |    |                                                                                     |      |    |     |
| 38677 |        | 26                                                                                |        |        | 38     |        |    |                                                                                     |      |    |     |
| 38678 |        | 27                                                                                |        |        | 39     |        |    |                                                                                     |      |    |     |
| 38679 |        | 28                                                                                | 41     | 40     | 28     | 340    |    |                                                                                     |      |    |     |
| 38680 |        | 29                                                                                | 42     |        |        |        |    |                                                                                     |      |    |     |
| 38681 |        | 30                                                                                | 43     |        |        |        |    |                                                                                     |      |    |     |
| 38682 |        | 32                                                                                | 60     | 45     | 45     |        |    | 30                                                                                  | 350  |    |     |
| 38683 |        | 36                                                                                |        | 50     |        |        |    |                                                                                     | 470  |    |     |
| 38684 |        | 38                                                                                |        | 65     |        |        |    |                                                                                     | 55   | 32 | 500 |
| 38685 |        | 41                                                                                |        |        |        |        |    |                                                                                     | 65   |    | 550 |
| 38686 |        | 46                                                                                |        |        | 70     |        |    | 650                                                                                 |      |    |     |
| 38687 |        | 50                                                                                | 75     | 75     | 50     |        |    | 35                                                                                  | 750  |    |     |
| 38688 |        | 55                                                                                |        | 80     |        |        |    |                                                                                     | 900  |    |     |
| 38689 |        | 60                                                                                |        |        |        |        |    |                                                                                     | 1250 |    |     |
|       |        |                                                                                   |        |        |        |        |    | 1450                                                                                |      |    |     |



- MM - 12 PT.

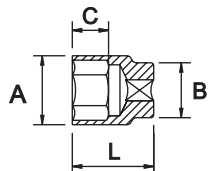


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|----|
| 38709 | SS 420 | 17                                                                                  | 50     | 38     | 28     | 22     | 12 | 250                                                                                   |    |
| 38710 |        | 19                                                                                  |        |        | 30     |        |    |                                                                                       |    |
| 38711 |        | 21                                                                                  |        |        | 32     |        |    |                                                                                       |    |
| 38712 |        | 22                                                                                  |        |        | 33     |        |    |                                                                                       |    |
| 38713 |        | 23                                                                                  | 55     | 40     | 34     | 25     | 12 | 270                                                                                   |    |
| 38714 |        | 24                                                                                  |        |        | 35     |        |    |                                                                                       |    |
| 38715 |        | 26                                                                                  |        |        | 38     |        |    |                                                                                       |    |
| 38716 |        | 27                                                                                  |        |        | 39     |        |    |                                                                                       |    |
| 38717 |        | 28                                                                                  | 41     | 40     | 28     |        |    | 310                                                                                   |    |
| 38718 |        | 29                                                                                  | 42     |        |        |        |    |                                                                                       |    |
| 38719 |        | 30                                                                                  | 43     |        |        |        |    |                                                                                       |    |
| 38720 |        | 32                                                                                  | 45     | 45     | 30     |        |    | 340                                                                                   |    |
| 38721 |        | 36                                                                                  | 60     |        |        |        |    |                                                                                       | 50 |
| 38722 |        | 38                                                                                  |        |        |        |        |    |                                                                                       | 55 |
| 38723 |        | 41                                                                                  |        |        | 65     | 32     |    | 350                                                                                   |    |
| 38724 |        | 46                                                                                  | 65     |        |        |        |    |                                                                                       |    |
| 38725 |        | 50                                                                                  | 70     | 50     |        |        |    |                                                                                       |    |
| 38726 |        | 55                                                                                  | 75     |        |        |        |    | 35                                                                                    |    |
| 38727 |        | 60                                                                                  | 80     |        |        |        |    |                                                                                       |    |



■ 3/4"

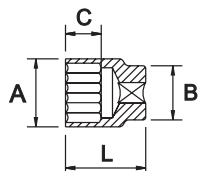
■ INCH - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |     |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|-----|--|
| 38690 | SS 420 | 3/4                                                                               | 50     | 38     | 31     | 25     | 6  | 270                                                                                 |     |  |
| 38691 |        | 13/16                                                                             | 55     |        | 32     |        |    |                                                                                     |     |  |
| 38692 |        | 7/8                                                                               |        |        | 33     |        |    |                                                                                     |     |  |
| 38693 |        | 15/16                                                                             | 60     | 40     | 35     | 28     |    | 310                                                                                 |     |  |
| 38694 |        | 1                                                                                 |        |        | 37     |        |    |                                                                                     |     |  |
| 38695 |        | 1.1/16                                                                            |        |        | 39     |        |    |                                                                                     |     |  |
| 38696 |        | 1.1/8                                                                             | 42     | 40     | 30     | 340    |    |                                                                                     |     |  |
| 38697 |        | 1.3/16                                                                            | 43     | 43     |        | 350    |    |                                                                                     |     |  |
| 38698 |        | 1.1/4                                                                             | 45     | 45     |        | 470    |    |                                                                                     |     |  |
| 38699 |        | 1.7/16                                                                            | 65     | 55     | 46     | 32     |    | 550                                                                                 |     |  |
| 38700 |        | 1.1/2                                                                             |        |        | 50     |        |    | 750                                                                                 |     |  |
| 38701 |        | 1.9/16                                                                            |        |        |        |        |    |                                                                                     |     |  |
| 38702 |        | 1.5/8                                                                             | 70     | 70     | 50     | 35     |    |                                                                                     | 900 |  |
| 38703 |        | 1.3/4                                                                             |        |        |        |        |    |                                                                                     |     |  |
| 38704 |        | 1.13/16                                                                           |        |        |        |        |    |                                                                                     |     |  |
| 38705 |        | 1.7/8                                                                             | 75     | 75     | 35     | 1400   |    |                                                                                     |     |  |
| 38706 |        | 2                                                                                 |        |        |        |        |    |                                                                                     |     |  |
| 38707 |        | 2.3/16                                                                            |        |        |        |        |    |                                                                                     |     |  |
| 38708 | 2.3/8  | 80                                                                                |        |        |        |        |    |                                                                                     |     |  |



■ INCH - 12 PT.



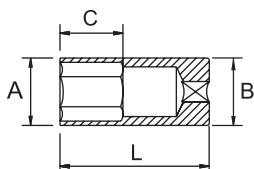
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |     |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|----|-----|
| 38728 | SS 420 | 3/4                                                                                 | 50     | 38     | 31     | 25     | 12 | 270                                                                                   |    |     |
| 38729 |        | 13/16                                                                               | 55     |        | 32     |        |    |                                                                                       |    |     |
| 38730 |        | 7/8                                                                                 |        |        | 33     |        |    |                                                                                       |    |     |
| 38731 |        | 15/16                                                                               | 60     | 40     | 35     | 28     |    | 310                                                                                   |    |     |
| 38732 |        | 1                                                                                   |        |        | 37     |        |    |                                                                                       |    |     |
| 38733 |        | 1.1/16                                                                              |        |        | 39     |        |    |                                                                                       |    |     |
| 38734 |        | 1.1/8                                                                               | 42     | 40     | 30     | 340    |    |                                                                                       |    |     |
| 38735 |        | 1.3/16                                                                              | 43     | 43     |        | 350    |    |                                                                                       |    |     |
| 38736 |        | 1.1/4                                                                               | 45     | 45     |        | 470    |    |                                                                                       |    |     |
| 38737 |        | 1.7/16                                                                              | 65     | 55     | 46     | 32     |    | 550                                                                                   |    |     |
| 38738 |        | 1.1/2                                                                               |        |        | 50     |        |    | 65                                                                                    | 35 | 750 |
| 38739 |        | 1.9/16                                                                              |        |        |        |        |    |                                                                                       |    |     |
| 38740 |        | 1.5/8                                                                               | 70     | 70     | 50     | 35     |    | 900                                                                                   |    |     |
| 38741 |        | 1.3/4                                                                               |        |        |        |        |    |                                                                                       |    |     |
| 38742 |        | 1.13/16                                                                             |        |        |        |        |    |                                                                                       |    |     |
| 38743 |        | 1.7/8                                                                               | 75     | 80     |        |        |    | 1250                                                                                  |    |     |
| 38744 |        | 2                                                                                   |        |        |        |        |    |                                                                                       |    |     |
| 38745 |        | 2.3/16                                                                              |        |        |        |        |    |                                                                                       |    |     |
| 38746 |        | 2.3/8                                                                               |        |        |        |        |    |                                                                                       |    |     |



■ 3/4"

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

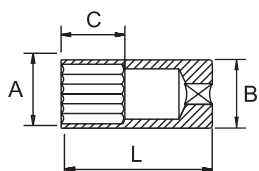
■ MM - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|--|
| 38747 | SS 420 | 17                                                                                | 90     | 38     | 28     | 22     | 6  | 500                                                                                 |  |
| 38748 |        | 19                                                                                |        |        | 30     |        |    |                                                                                     |  |
| 38749 |        | 21                                                                                |        |        | 32     |        |    |                                                                                     |  |
| 38750 |        | 22                                                                                |        |        | 33     |        |    |                                                                                     |  |
| 38751 |        | 23                                                                                |        |        | 34     |        |    |                                                                                     |  |
| 38752 |        | 24                                                                                |        | 40     | 35     | 25     |    | 550                                                                                 |  |
| 38753 |        | 26                                                                                |        |        | 38     |        |    |                                                                                     |  |
| 38754 |        | 27                                                                                |        |        | 39     |        |    |                                                                                     |  |
| 38755 |        | 28                                                                                |        | 41     | 40     | 28     |    | 600                                                                                 |  |
| 38756 |        | 29                                                                                |        | 42     |        |        |    |                                                                                     |  |
| 38757 |        | 30                                                                                |        | 43     |        |        |    |                                                                                     |  |
| 38758 |        | 32                                                                                |        | 45     |        |        |    |                                                                                     |  |
| 38759 |        | 36                                                                                |        | 50     | 45     | 30     |    | 700                                                                                 |  |
| 38760 |        | 38                                                                                |        | 53     |        |        |    |                                                                                     |  |
| 38761 |        | 41                                                                                |        | 57     |        |        |    |                                                                                     |  |
| 38762 |        | 46                                                                                |        | 65     |        | 32     |    | 1300                                                                                |  |
| 38763 |        | 50                                                                                | 100    | 70     |        |        |    |                                                                                     |  |
| 38764 |        | 55                                                                                |        | 75     | 50     | 35     |    | 1450                                                                                |  |
| 38765 |        | 60                                                                                |        | 80     |        |        |    |                                                                                     |  |



■ MM - 12 PT.

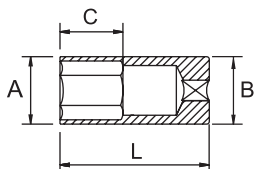


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |      |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|------|
| 38785 | SS 420 | 17                                                                                  | 90     | 38     | 28     | 22     | 12 | 500                                                                                   |      |
| 38786 |        | 19                                                                                  |        |        | 30     |        |    |                                                                                       |      |
| 38787 |        | 21                                                                                  |        |        | 32     |        |    |                                                                                       |      |
| 38788 |        | 22                                                                                  |        |        | 33     |        |    |                                                                                       |      |
| 38789 |        | 23                                                                                  |        |        | 34     |        |    |                                                                                       |      |
| 38790 |        | 24                                                                                  |        | 40     | 35     | 25     |    | 550                                                                                   |      |
| 38791 |        | 26                                                                                  |        |        | 38     |        |    |                                                                                       |      |
| 38792 |        | 27                                                                                  |        |        | 39     |        |    |                                                                                       |      |
| 38793 |        | 28                                                                                  |        | 41     | 40     | 28     |    | 600                                                                                   |      |
| 38794 |        | 29                                                                                  |        | 42     |        |        |    |                                                                                       |      |
| 38795 |        | 30                                                                                  |        | 43     |        |        |    |                                                                                       |      |
| 38796 |        | 32                                                                                  |        | 45     |        |        |    |                                                                                       |      |
| 38797 |        | 36                                                                                  |        | 50     | 45     | 30     |    | 700                                                                                   |      |
| 38798 |        | 38                                                                                  |        | 55     |        |        |    |                                                                                       |      |
| 38799 |        | 41                                                                                  |        | 48     |        |        |    |                                                                                       |      |
| 38800 |        | 46                                                                                  |        | 65     |        | 32     |    | 1300                                                                                  |      |
| 38801 |        | 50                                                                                  | 70     | 50     |        |        |    |                                                                                       |      |
| 38802 |        | 55                                                                                  | 75     | 100    | 50     | 35     |    | 1450                                                                                  |      |
| 38803 |        | 60                                                                                  | 80     |        |        |        |    |                                                                                       | 1800 |
|       |        |                                                                                     |        |        |        |        |    | 2150                                                                                  |      |



■ 3/4"

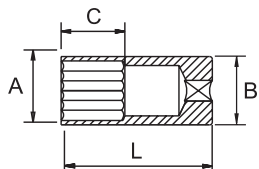
■ INCH - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| 38766 | SS 420 | 3/4                                                                               | 90     | 38     | 31     | 25     | 6  | 550                                                                                 |
| 38767 |        | 13/16                                                                             |        |        | 32     |        |    |                                                                                     |
| 38768 |        | 7/8                                                                               |        |        | 33     |        |    |                                                                                     |
| 38769 |        | 15/16                                                                             |        | 35     |        |        |    |                                                                                     |
| 38770 |        | 1                                                                                 |        | 37     |        |        |    |                                                                                     |
| 38771 |        | 1.1/16                                                                            |        | 39     |        |        |    |                                                                                     |
| 38772 |        | 1.1/8                                                                             | 42     | 40     | 28     | 600    |    |                                                                                     |
| 38773 |        | 1.3/16                                                                            | 43     | 43     | 30     | 650    |    |                                                                                     |
| 38774 |        | 1.1/4                                                                             | 45     | 45     |        | 700    |    |                                                                                     |
| 38775 |        | 1.7/16                                                                            | 55     | 46     | 32     | 950    |    |                                                                                     |
| 38776 |        | 1.1/2                                                                             |        | 48     |        |        |    |                                                                                     |
| 38777 |        | 1.9/16                                                                            |        |        |        |        |    |                                                                                     |
| 38778 |        | 1.5/8                                                                             | 100    | 65     |        | 50     | 35 | 1300                                                                                |
| 38779 |        | 1.3/4                                                                             |        |        |        |        |    |                                                                                     |
| 38780 |        | 1.13/16                                                                           |        |        |        |        |    |                                                                                     |
| 38781 |        | 1.7/8                                                                             |        | 70     | 50     | 35     | 12 | 1450                                                                                |
| 38782 |        | 2                                                                                 |        |        |        |        |    |                                                                                     |
| 38783 |        | 2.3/16                                                                            |        |        |        |        |    |                                                                                     |
| 38784 |        | 2.3/8                                                                             |        | 80     |        |        |    | 2100                                                                                |



■ INCH - 12 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt   |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|------|---------------------------------------------------------------------------------------|
| 38804 | SS 420 | 3/4                                                                                 | 90     | 38     | 31     | 25     | 12   | 550                                                                                   |
| 38805 |        | 13/16                                                                               |        |        | 32     |        |      |                                                                                       |
| 38806 |        | 7/8                                                                                 |        |        | 33     |        |      |                                                                                       |
| 38807 |        | 15/16                                                                               |        | 35     |        |        |      |                                                                                       |
| 38808 |        | 1                                                                                   |        | 37     |        |        |      |                                                                                       |
| 38809 |        | 1.1/16                                                                              |        | 39     |        |        |      |                                                                                       |
| 38810 |        | 1.1/8                                                                               | 100    | 42     | 40     | 28     | 600  |                                                                                       |
| 38811 |        | 1.3/16                                                                              |        | 43     | 43     | 650    |      |                                                                                       |
| 38812 |        | 1.1/4                                                                               |        | 45     | 45     | 700    |      |                                                                                       |
| 38813 |        | 1.7/16                                                                              |        | 55     | 46     | 32     | 950  |                                                                                       |
| 38814 |        | 1.1/2                                                                               |        |        |        |        |      |                                                                                       |
| 38815 |        | 1.9/16                                                                              |        |        |        |        |      |                                                                                       |
| 38816 |        | 1.5/8                                                                               | 100    | 65     | 50     | 35     | 2100 |                                                                                       |
| 38817 |        | 1.3/4                                                                               |        |        |        |        |      |                                                                                       |
| 38818 |        | 1.13/16                                                                             |        |        |        |        |      |                                                                                       |
| 38819 |        | 1.7/8                                                                               |        | 70     | 50     | 35     | 12   | 1450                                                                                  |
| 38820 |        | 2                                                                                   |        |        |        |        |      |                                                                                       |
| 38821 |        | 2.3/16                                                                              |        |        |        |        |      |                                                                                       |
| 38822 |        | 2.3/8                                                                               |        | 80     |        |        |      |                                                                                       |



■ **ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ**

| COD.  | MAT.   | AF<br>inch | L (inch) | g   |   |   |
|-------|--------|------------|----------|-----|---|---|
| 38826 | SS 420 | 3/4        | 4        | 200 | 5 | ● |
| 38827 |        |            | 8        | 230 |   |   |
| 38828 |        |            | 10       | 260 |   |   |



■ **LLAVES ESPECIALES / SPECIAL WRENCHES / CLÉS SPÉCIALES / SPEZIELL ZANGEN / CHIAVI SPECIALI / CHAVES ESPECIAIS / КЛЮЧИ СПЕЦИАЛЬНЫЕ**

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

| COD.  | MAT.   | CAP. (mm) | L (mm) | g   |
|-------|--------|-----------|--------|-----|
| 39055 | SS 420 | 19-50     | 160    | 115 |
| 39040 |        | 35-60     | 190    | 150 |
| 39056 |        | 32-75     | 200    | 190 |
| 38197 |        | 50-65     | 200    | 350 |
| 38191 |        | 50-120    | 250    | 450 |
| 39009 |        | 90-155    | 330    | 650 |



■ **LLAVE DE GANCHO CON PIN ARTICULADA / ADJUSTABLE HOOK SPANNER WITH PIN / CLÉ À ERGOT ARTICULÉE AVEC CROCHET / VERSTELLBARE HAKENSCHLÜSSEL MIT PIN / CHIAVE A SETTORE ARTICOLATA CON PIN / CHAVES DE UNHA ARTICULADA COM PIN / КЛЮЧ-КРЮК С ШАРНИРОМ**

| COD.  | MAT.   | CAP. (mm) | L (mm) | g   |
|-------|--------|-----------|--------|-----|
| 39057 | SS 420 | 15-35     | 115    | 46  |
| 39058 |        | 35-50     | 160    | 110 |



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

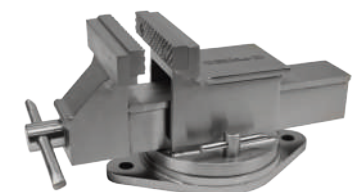
| COD.  | MAT.   | L (mm) | CAP. Ø (mm) | CAP. Ø (inch)   | g   |
|-------|--------|--------|-------------|-----------------|-----|
| 39041 | SS 420 | 135    | 30-32       | 1.3/16-1.1/4    | 60  |
| 39042 |        | 170    | 34-36       | 1.5/16-1.13/32  | 90  |
| 39100 |        |        | 40-42       | 1.9/16- 1.21/32 | 100 |
| 39101 |        | 210    | 45-50       | 1.3/4-2         | 150 |
| 39102 |        |        | 52-55       | 2.1/16-2.3/16   |     |
| 39103 |        | 240    | 58-62       | 2.9/32-2.7/16   | 210 |
| 39104 |        |        | 68-75       | 2.11/16-3       | 250 |
| 39105 |        | 280    | 80-90       | 3.1/8-3.1/2     | 370 |



■ **TORNILLO DE BANCO PARALELO / PARALLEL BENCH VICE / ÉTAU À MORS PARALLELES / PARALLELSCHRAUBSTÖCKE / Morsa da Banco Paralela / Torno de Bancada Paralelo / ТИСК**

■ **GIRATORIO / SWIVEL / TOURNANT / DREHBARE / Morsa Girevole / Base Giratoria / Поворотное**

| COD.  | MAT.   | inch | mm  | Kg  |
|-------|--------|------|-----|-----|
| 38877 | SS 420 | 4    | 100 | 7,0 |
| 38878 |        | 6    | 150 | 20  |
| 38879 |        | 8    | 200 | 30  |
| 38880 |        | 10   | 250 | 45  |



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

■ **ELECTRICISTA / ELECTRICIAN / ELECTRICIEN / ELEKTRIKER / PER ELETTRICISTI / ELETTRICISTA / ЭЛЕКТРИЧЕСКАЯ**

| COD.  | MAT.   | mm  | mm  | mm  | g   |
|-------|--------|-----|-----|-----|-----|
| 38150 | SS 420 | 3   | 80  |     | 40  |
| 38990 |        | 3,5 |     | 75  | 80  |
| 38151 |        | 4   |     |     | 60  |
| 38152 |        | 5   | 100 | 90  | 90  |
| 38991 |        | 5,5 |     |     | 220 |
| 38153 |        | 6   |     | 110 | 130 |
| 38154 |        | 8   | 150 | 120 | 170 |



| COD.  | MAT.   | <br>mm | <br>mm | <br>mm | <br>g |
|-------|--------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 38155 | SS 420 | 10                                                                                      | 200                                                                                     | 120                                                                                     | 200                                                                                      |
| 38666 |        |                                                                                         | 300                                                                                     |                                                                                         | 220                                                                                      |
| 38156 |        | 12                                                                                      | 200                                                                                     |                                                                                         | 260                                                                                      |
| 38157 |        | 14                                                                                      | 250                                                                                     |                                                                                         | 320                                                                                      |

| COD.  | MAT.   | <br>mm | <br>mm | <br>mm | <br>g |
|-------|--------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 38017 | SS 420 | 3                                                                                       | 80                                                                                      |                                                                                         | 40                                                                                       |
| 39010 |        | 3,5                                                                                     |                                                                                         | 75                                                                                      | 30                                                                                       |
| 38018 |        | 4                                                                                       | 100                                                                                     |                                                                                         | 60                                                                                       |
| 38019 |        | 5                                                                                       |                                                                                         | 90                                                                                      | 90                                                                                       |
| 39011 |        | 5,5                                                                                     |                                                                                         | 110                                                                                     | 50                                                                                       |
| 38020 |        | 6                                                                                       | 130                                                                                     |                                                                                         |                                                                                          |
| 38021 |        | 8                                                                                       | 150                                                                                     | 170                                                                                     |                                                                                          |
| 38022 |        |                                                                                         | 200                                                                                     | 200                                                                                     |                                                                                          |
| 38023 |        | 10                                                                                      | 300                                                                                     | 120                                                                                     | 220                                                                                      |
| 38024 |        | 12                                                                                      | 200                                                                                     |                                                                                         | 260                                                                                      |
| 38025 |        | 14                                                                                      | 250                                                                                     |                                                                                         | 320                                                                                      |



#### PHILLIPS®

| COD.  | MAT.   | <br>mm | <br>mm | <br>mm | <br>g |
|-------|--------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 38158 | SS 420 | PH0                                                                                      | 60                                                                                       | 75                                                                                       | 30                                                                                        |
| 38159 |        | PH1                                                                                      | 80                                                                                       | 90                                                                                       | 80                                                                                        |
| 38160 |        | PH2                                                                                      | 100                                                                                      | 110                                                                                      | 120                                                                                       |
| 38161 |        | PH3                                                                                      | 150                                                                                      | 120                                                                                      | 190                                                                                       |
| 38162 |        | PH4                                                                                      | 200                                                                                      |                                                                                          | 270                                                                                       |



| COD.  | MAT.   | <br>mm | <br>mm | <br>mm | <br>g |
|-------|--------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 38026 | SS 420 | PH0                                                                                       | 60                                                                                        | 75                                                                                        | 30                                                                                         |
| 38027 |        | PH1                                                                                       | 80                                                                                        | 90                                                                                        | 80                                                                                         |
| 38028 |        | PH2                                                                                       | 100                                                                                       | 110                                                                                       | 120                                                                                        |
| 38029 |        | PH3                                                                                       | 150                                                                                       | 120                                                                                       | 190                                                                                        |
| 38030 |        | PH4                                                                                       | 200                                                                                       | 75                                                                                        | 270                                                                                        |



#### POZIDRIV®

| COD.  | MAT.   | <br>mm | <br>mm | <br>mm | <br>g |
|-------|--------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 38163 | SS 420 | PZ0                                                                                       | 60                                                                                        | 75                                                                                        | 40                                                                                         |
| 38164 |        | PZ1                                                                                       | 80                                                                                        | 90                                                                                        | 80                                                                                         |
| 38165 |        | PZ2                                                                                       | 100                                                                                       | 110                                                                                       | 120                                                                                        |
| 38166 |        | PZ3                                                                                       | 150                                                                                       | 120                                                                                       | 190                                                                                        |
| 38167 |        | PZ4                                                                                       | 200                                                                                       |                                                                                           | 270                                                                                        |



| COD.  | MAT.   | <br>mm | <br>mm | <br>mm | <br>g |
|-------|--------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 38031 | SS 420 | PZ0                                                                                       | 60                                                                                        | 75                                                                                        | 40                                                                                         |
| 38032 |        | PZ1                                                                                       | 80                                                                                        | 90                                                                                        | 80                                                                                         |
| 38033 |        | PZ2                                                                                       | 100                                                                                       | 110                                                                                       | 120                                                                                        |
| 38034 |        | PZ3                                                                                       | 150                                                                                       | 120                                                                                       | 190                                                                                        |
| 38035 |        | PZ4                                                                                       | 200                                                                                       |                                                                                           | 270                                                                                        |



\* Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / \*For screws PHILLIPS® (Phillips Screw Company registered trademark) / \*Pour vis PHILLIPS® (Marque enregistrée par Phillips Screw Company)

\* Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / \*For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark) / \*Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

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

| COD.  | MAT.   |  mm |  mm |  mm |  g |
|-------|--------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 39000 | SS 420 | 6                                                                                    | 90                                                                                   | 90                                                                                   | 80                                                                                    |
| 39001 |        | 7                                                                                    |                                                                                      |                                                                                      |                                                                                       |
| 39002 |        | 8                                                                                    |                                                                                      |                                                                                      |                                                                                       |
| 39003 |        | 9                                                                                    | 100                                                                                  | 110                                                                                  | 100                                                                                   |
| 38196 |        | 10                                                                                   |                                                                                      |                                                                                      |                                                                                       |
| 39004 |        | 11                                                                                   |                                                                                      |                                                                                      |                                                                                       |
| 39005 |        | 12                                                                                   | 110                                                                                  | 120                                                                                  | 150                                                                                   |
| 39006 |        | 13                                                                                   |                                                                                      |                                                                                      |                                                                                       |
| 39007 |        | 14                                                                                   |                                                                                      |                                                                                      |                                                                                       |
|       |        |                                                                                      | 120                                                                                  |                                                                                      | 180                                                                                   |



**PUNTAS DE DESTORNILLADOR / BITS / EMBOUTS DE VISSAGE / BITS / INSERTI / PONTAS / БИТЫ**

**PLANA / FLAT / À FENTE / FLACH / PIATTA / PLANA / ПЛОСКАЯ**

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|--------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 39063 | SS 420 | 3 x 0,5                                                                              | 25     | 1/4                                                                                    | 4,0                                                                                   |
| 39064 |        | 4 x 0,5                                                                              |        |                                                                                        |                                                                                       |
| 39090 |        | 4,5 x 0,6                                                                            |        |                                                                                        | 4,5                                                                                   |
| 39079 |        | 5 x 0,8                                                                              |        |                                                                                        |                                                                                       |
| 39091 |        | 5,5 x 0,8                                                                            |        |                                                                                        | 5,0                                                                                   |
| 39080 |        | 6 x 1,2                                                                              |        |                                                                                        |                                                                                       |
| 39092 |        | 6,5 x 1,2                                                                            |        |                                                                                        | 6,0                                                                                   |
| 39093 |        | 8 x 1,6                                                                              |        |                                                                                        |                                                                                       |



**PHILLIPS®**

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 39065 | SS 420 | PH-1                                                                                   | 25     | 1/4                                                                                      | 4,0                                                                                     |
| 39066 |        | PH-2                                                                                   |        |                                                                                          | 4,5                                                                                     |
| 39067 |        | PH-3                                                                                   |        |                                                                                          | 6,5                                                                                     |



**POZIDRIV®**

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 39075 | SS 420 | PZ-1                                                                                   | 25     | 1/4                                                                                      | 4,0                                                                                     |
| 39076 |        | PZ-2                                                                                   |        |                                                                                          | 4,5                                                                                     |
| 39077 |        | PZ-3                                                                                   |        |                                                                                          | 6,5                                                                                     |



**HEXAGONAL / HEXAGONAL / HEXAGONALE / HEXAGONAL / ESAGONALE / HEXAGONAL / ШЕСТИГРАННАЯ**

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 39059 | SS 420 | 3                                                                                      | 25     | 1/4                                                                                      | 4,0                                                                                     |
| 39060 |        | 4                                                                                      |        |                                                                                          | 4,4                                                                                     |
| 39087 |        | 4,5                                                                                    |        |                                                                                          | 4,7                                                                                     |
| 39061 |        | 5                                                                                      |        |                                                                                          | 5,0                                                                                     |
| 39088 |        | 5,5                                                                                    |        |                                                                                          | 5,5                                                                                     |
| 39062 |        | 6                                                                                      |        |                                                                                          | 6,0                                                                                     |
| 39089 |        | 6,5                                                                                    |        |                                                                                          | 6,5                                                                                     |



## ■ TORX®

N!

| COD.  | MAT.   |  | L (mm) |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 39068 | SS 420 | T-10                                                                              | 25     | 1/4                                                                               | 3,5                                                                                 |
| 39069 |        | T-15                                                                              |        |                                                                                   | 3,8                                                                                 |
| 39070 |        | T-20                                                                              |        |                                                                                   | 4,0                                                                                 |
| 39071 |        | T-25                                                                              |        |                                                                                   | 4,7                                                                                 |
| 39072 |        | T-27                                                                              |        |                                                                                   | 5,0                                                                                 |
| 39073 |        | T-30                                                                              |        |                                                                                   | 6,5                                                                                 |
| 39074 |        | T-40                                                                              |        |                                                                                   | 6,5                                                                                 |

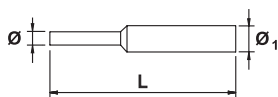


**CORTAFRÍOS CILÍNDRICO / CYLINDRICAL COLD CHISEL / BÉDANE CYLINDRIQUE / ZYLINDRISCHE MEISSEL / SCALPELLO CILINDRICO TAGLIO A FREDDO / ESCOPRO CILINDRICO / ЦИЛИНДРИЧЕСКОЕ ЗУБТЛО**

| COD.  | MAT.   | L (mm)   |  |  |
|-------|--------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 38837 | SS 420 | 16 x 160 | 16                                                                                | 0,2                                                                                |
| 38838 |        | 18 x 200 | 18                                                                                | 0,4                                                                                |
| 38839 |        | 24 x 300 | 24                                                                                | 1,0                                                                                |
| 38840 |        | 25 x 400 | 25                                                                                | 1,4                                                                                |
| 38841 |        | 30 x 500 | 30                                                                                | 2,6                                                                                |



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

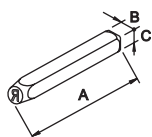


| COD.  | MAT.   | Ø (mm) | Ø 1 (mm) | L (mm) |  |
|-------|--------|--------|----------|--------|---------------------------------------------------------------------------------------|
| 38610 | SS 420 | 2      | 8        | 110    | 29                                                                                    |
| 38611 |        | 3      | 9        |        | 38                                                                                    |
| 38612 |        | 4      | 10       |        | 48                                                                                    |
| 38613 |        | 5      | 11       | 115    | 60                                                                                    |
| 38614 |        | 6      | 12       |        | 75                                                                                    |
| 38615 |        | 7      | 13       | 120    | 95                                                                                    |



**JUEGOS DE GOLPE / PUNCHES / JEUX DE CLÉS À CHOC / DURCHSCHLÄGE / PUNZONI / JOGOS DE PANCADA / МЕТЧИКИ**

■ NÚMEROS / NUMBERS / CHIFFRES / NUMMER / NUMERI / НÚMEROS / ЦИФРЫ

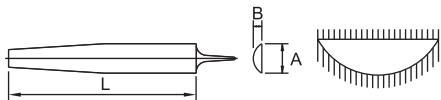


| COD.  | MAT.   | Altura (mm) / Height (mm) / Hauteur (mm) | A (mm) | B (mm) | C (mm) |  |
|-------|--------|------------------------------------------|--------|--------|--------|---------------------------------------------------------------------------------------|
| 38985 | SS 420 | 5,0                                      | 60     | 7,0    | 7,0    | 220                                                                                   |



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

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

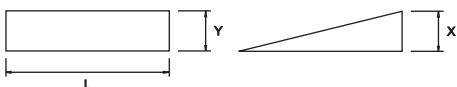


| COD.  | MAT.   | L (inch) |   |    | A (mm) | B (mm) |     |
|-------|--------|----------|---|----|--------|--------|-----|
| 38300 | SS 420 | 10       | 2 | 12 | 17-26  | 5-8    | 0,5 |

2: Entrefina / Medium / Demi-douce



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



| COD.  | MAT.   | L (mm) | Y  | X  |      |
|-------|--------|--------|----|----|------|
| 38059 | SS 420 | 80     | 13 | 6  | 20   |
| 38060 |        | 100    |    | 10 | 200  |
| 38061 |        | 150    |    | 13 | 380  |
| 38062 |        | 180    | 50 | 19 | 670  |
| 38063 |        | 200    |    | 12 | 470  |
| 38064 |        | 250    | 40 | 30 | 1170 |
| 38065 |        | 300    | 50 | 40 | 2340 |



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

| COD.  | MAT.   | L (mm)   |     |
|-------|--------|----------|-----|
| 38832 | SS 420 | 15 x 500 | 0,7 |
| 38833 |        | 19 x 500 | 1,0 |
| 38834 |        | 20 x 500 | 1,2 |
| 38835 |        | 23 x 500 | 1,5 |
| 38836 |        | 23 x 800 | 2,4 |



■ CUCHILLOS / KNIVES / COUTEAUX / MESSER / COLTELLI / FACA / НОЖИ

| COD.  | MAT.   | L (mm)    |     |
|-------|--------|-----------|-----|
| 38201 | SS 420 | 145 x 250 | 120 |



| COD.  | MAT.   | L (mm)    |     |
|-------|--------|-----------|-----|
| 39021 | SS 420 | 145 x 250 | 200 |



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

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

| COD.  | MAT.   | L (mm) |     |
|-------|--------|--------|-----|
| 38068 | SS 420 | 350    | 450 |



| COD.  | MAT.   | L (mm) |     |
|-------|--------|--------|-----|
| 39022 | SS 420 | 250    | 450 |



■ **MARTILLO DE UÑA / CLAW HAMMER / MARTEAU DE CHARPENTIER / KLAUENHAMMER / MARTELO CARPENTIERE / MARTELO DE UNHA / МОЛОТОК-ГВОЗДОДЕР**

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38913 | SS 420 | 300    | 550                                                                               |



■ **MACETA OCTOGONAL / SLEDGE MALLET / MASSETTE OCTOGONALE / SCHLAGHAMMER / MAZZETTA OTTOGONALE / MARRETA OCTOGONAL / КУВАЛДА**

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38069 | SS 420 | 350    | 1,0                                                                               |
| 38070 |        |        | 1,5                                                                               |
| 38071 |        |        | 2,0                                                                               |
| 38072 |        | 800    | 2,5                                                                               |
| 38073 |        | 850    | 3,0                                                                               |
| 38074 |        |        | 3,5                                                                               |

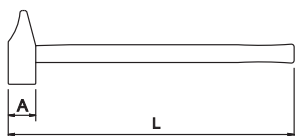


■ **MACETA CUADRADA TIPO ALEMÁN / GERMAN TYPE MALLET / MASSETTE TYPE ALLEMAND / FÄUSTEL / MAZZETTA / MARRETA / КУВАЛДА НЕМЕЦКИЙ ТИП ДЛЯ КАМНЯ**

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| 38179 | SS 420 | 400    | 1,0                                                                               |
| 38180 |        |        | 1,5                                                                               |
| 38181 |        |        | 2,0                                                                               |
| 38182 |        | 900    | 2,5                                                                               |
| 38183 |        |        | 3,0                                                                               |
| 38184 |        |        | 3,5                                                                               |



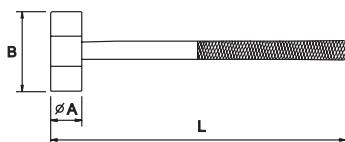
■ **MARTILLO DE EBANISTA / JOINER'S HAMMER / MARTEAU DE MENUISIER / HOLZSCHNITZERHAMMER / MARTELO FALEGNAME / MARTELO DE PENA / СТОЛЯРНЫЙ МОЛОТОК**



| COD.  | MAT.   | L (mm) | A (mm) |  |
|-------|--------|--------|--------|--------------------------------------------------------------------------------------|
| 38075 | SS 420 | 280    | 18     | 250                                                                                  |
| 38076 |        |        | 20     | 300                                                                                  |
| 38077 |        |        | 22     | 350                                                                                  |
| 38078 |        | 300    | 25     | 500                                                                                  |
| 38079 |        |        | 28     | 590                                                                                  |
| 38080 |        | 350    | 30     | 780                                                                                  |



■ **MACETA DE NYLON / NYLON MALLET / MARTEAU NYLON / NYLON- HAMMER / MARTELO DI NYLON / MARTELO DE NYLON / НЕЙЛОНОВЫЙ МОЛОТОК**



| COD.  | MAT.   | L (mm) | Ø A (mm) | B (mm) |  |
|-------|--------|--------|----------|--------|---------------------------------------------------------------------------------------|
| 38185 | SS 420 | 200    | 30       | 80     | 400                                                                                   |
| 39030 |        | 300    | 50       |        | 1250                                                                                  |



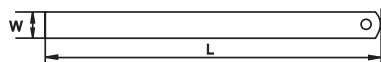
■ **ARCO DE SIERRA / HACK SAW / MONTURE DE SCIE À MÉTAUX / METALLSÄGEBOGEN / ARCHETTI / ARCOS DE SERRA / НОЖОВКА**

| COD.  | MAT.   |  |  |  |  |
|-------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 38947 | SS 420 | 12"                                                                                 | 300                                                                                 | 800                                                                                 | 1                                                                                     |



**REGLAS SEMI-FLEXIBLES DE ACERO INOXIDABLE / STAINLESS STEEL SEMI-FLEXIBLE RULERS / RÈGLES SEMI-FLEXIBLE EN ACIER INOX / FLEXIBLES LINEAL AUS EDELSTAHL / RIGA SEMIFLESSIBILE IN ACCIAIO INOX / RÉGUA SEMI-FLÉXIVEL EM AÇO INOX / ГИБКИЕ ЛИНЕЙКИ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ**

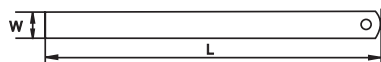
**GRADUACIÓN EN MILÍMETROS / MILIMETRIC GRADUATION / GRADUATION EN MILLIMÈTRE / MM-TEILUNGEN / GRADUAZIONE IN MILLIMETRI / GRADUAÇÃO EM MILIMETROS / МЕТРИЧЕСКАЯ ШКАЛА**



| COD.  | MAT.   | L x W (mm) |  |  |  |
|-------|--------|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 65772 | SS 420 | 150 x 18   | 0,8                                                                               | 10                                                                                | 6                                                                                   |
| 65774 |        | 300 x 25   | 1,0                                                                               | 20                                                                                |                                                                                     |
| 65834 |        | 500 x 30   | 1,2                                                                               | 40                                                                                |                                                                                     |
| 65836 |        | 600 x 30   |                                                                                   | 50                                                                                |                                                                                     |
| 65838 |        | 1000 x 32  | 1,5                                                                               | 100                                                                               |                                                                                     |
| 65840 |        | 1200 x 32  | 1,8                                                                               | 125                                                                               |                                                                                     |
| 65842 |        | 1500 x 38  | 1,5                                                                               | 150                                                                               |                                                                                     |
| 65844 |        | 2000 x 32  | 1,0                                                                               | 200                                                                               |                                                                                     |



**GRADUACIÓN EN MILÍMETROS Y PULGADAS / GRADUATION IN MILLIMETERS AND INCHES / GRADUATION EN MM ET EN POUCE / INCH UND MM TEILUNGEN / GRADUAZIONE IN MM E IN POLLICI / GRADUAÇÃO EM MILIMETROS E POLEGADAS / МЕТРИЧЕСКАЯ И ДЮЙМОВАЯ ШКАЛА**



| COD.  | MAT.   | L x W (mm) |  |  |  |
|-------|--------|------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 65831 | SS 420 | 150 x 18   | 0,8                                                                                | 10                                                                                 | 6                                                                                    |
| 65773 |        | 200 x 18   |                                                                                    | 12                                                                                 |                                                                                      |
| 65833 |        | 300 x 25   | 1,0                                                                                | 20                                                                                 |                                                                                      |
| 65837 |        | 600 x 30   | 1,2                                                                                | 50                                                                                 |                                                                                      |
| 65839 |        | 1000 x 32  | 1,5                                                                                | 100                                                                                |                                                                                      |
| 65841 |        | 1200 x 32  |                                                                                    | 125                                                                                |                                                                                      |
| 65843 |        | 1500 x 32  | 1,0                                                                                | 150                                                                                |                                                                                      |
| 65845 |        | 2000 x 38  | 1,8                                                                                | 200                                                                                |                                                                                      |

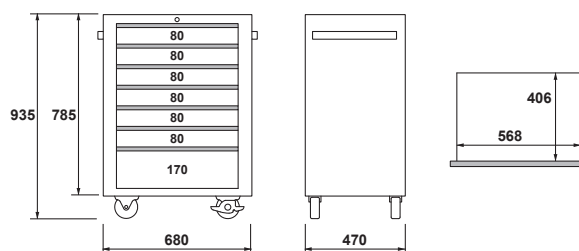


**EGAMaster**  
 ART IN INNOVATION

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



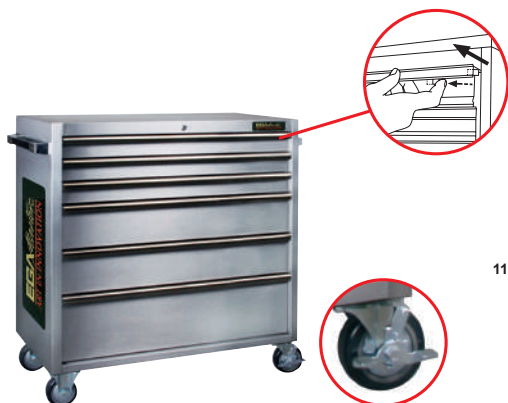
Sistema antivuelco con botón de seguridad de apertura individual por bandeja  
 Anti-overn system with individual safety open button in each tray  
 Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



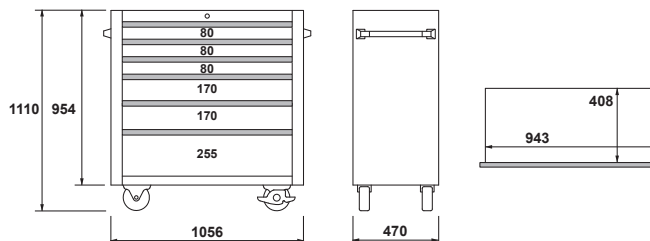
| COD.  | L x W x H (mm)  | Material estructura / Material structure / Structure matériaux | Kg |
|-------|-----------------|----------------------------------------------------------------|----|
| 51558 | 680 x 470 x 935 | Inox 304                                                       | 63 |

**ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES**

|                                                                                                                                      |                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Material / Material / Matière                                                                                                        | Exterior e interior 100% INOX / Exterior and interior 100% INOX / Extérieur et intérieur 100% INOX |
| Cajones con rodamientos / Ball-bearing slides / Tiroirs à roulement                                                                  | 7                                                                                                  |
| 2 ruedas fijas y 2 giratorias con freno / 2 fixed and 2 revolving with brake wheels / 2 roues fixes et 2 roues giratoires avec frein | 5" x 1,5"                                                                                          |
| Capacidad cajones de altura 80 mm / Capacity in 80 mm height drawers / Capacité des tiroirs de 80 mm de haut                         | 25 Kg                                                                                              |
| Capacidad cajones de altura 170 mm / Capacity in 170 mm height drawers / Capacité des tiroirs de 170 mm de haut                      | 30 Kg                                                                                              |
| Capacidad de carga estática total / Total static weight capacity / Capacité totale de charge statique                                | 320 Kg                                                                                             |
| Sistema de cierre centralizado / Central locking system / Système de fermeture centralisée                                           | ●                                                                                                  |
| Asa lateral reforzada / Reinforced side handle / Poignées latérale renforcée                                                         | ●                                                                                                  |
| Sistema antivuelco en cada bandeja / Anti-overn system in each drawers / Système anti-renversement dans chaque tiroir                | ●                                                                                                  |



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



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

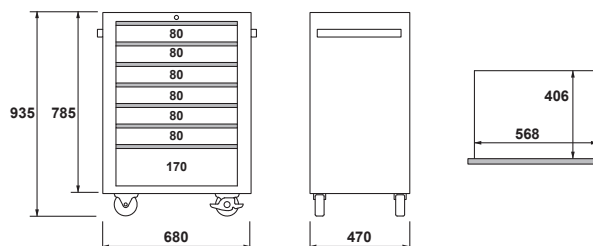
#### ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

|                                                                                                                                      |                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Material / Material / Matière                                                                                                        | Exterior e interior 100% INOX / Exterior and interior 100% INOX / Extérieur et intérieur 100% INOX |
| Cajones con rodamientos / Ball-bearing slides / Tiroirs à roulement                                                                  | 6                                                                                                  |
| 2 ruedas fijas y 2 giratorias con freno / 2 fixed and 2 revolving with brake wheels / 2 roues fixes et 2 roues giratoires avec frein | 5" x 1,5"                                                                                          |
| Capacidad cajones de altura 80 mm / Capacity in 80 mm height drawers / Capacité des tiroirs de 80 mm de haut                         | 25 Kg                                                                                              |
| Capacidad cajones de altura 170 mm / Capacity in 170 mm height drawers / Capacité des tiroirs de 170 mm de haut                      | 30 Kg                                                                                              |
| Capacidad cajones de altura 255 mm / Capacity in 255 mm height drawers / Capacité des tiroirs de 255 mm de haut                      | 30 kg                                                                                              |
| Capacidad de carga estática total / Total static weight capacity / Capacité totale de charge statique                                | 500 kg                                                                                             |
| Sistema de cierre centralizado / Central locking system / Système de fermeture centralisée                                           | ●                                                                                                  |
| Asa lateral reforzada / Reinforced side handle / Poignées latérale renforcée                                                         | ●                                                                                                  |
| Sistema antivuelco en cada bandeja / Anti-ouvertum system in each drawers / Système anti-renversement dans chaque tiroir             | ●                                                                                                  |

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



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



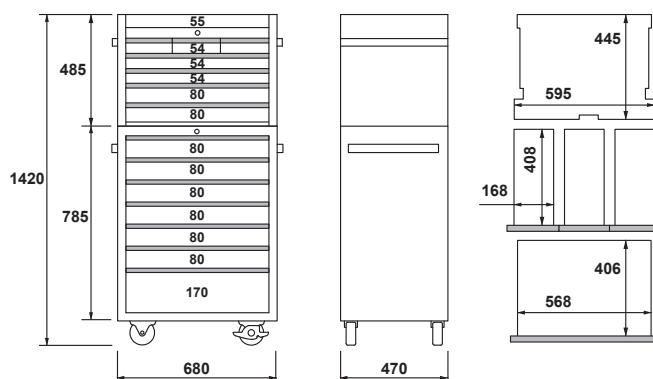
| COD.  | L x W x H (mm)  | Material estructura / Material structure / Structure matériaux | Material ruedas / Wheel material / Matière roues | Kg |
|-------|-----------------|----------------------------------------------------------------|--------------------------------------------------|----|
| 51478 | 680 x 470 x 935 | Inox 430                                                       | Inox 304                                         | 63 |

**ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES**

|                                                                                                                                      |                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material* / Material* / Matière*                                                                                                     | Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier |
| Cajones con rodamientos / Ball-bearing slides / Tiroirs à roulement                                                                  | 7                                                                                                                                                                                                                                |
| 2 ruedas fijas y 2 giratorias con freno / 2 fixed and 2 revolving with brake wheels / 2 roues fixes et 2 roues giratoires avec frein | 5" x 1,5"                                                                                                                                                                                                                        |
| Capacidad cajones de altura 80 mm / Capacity in 80 mm height drawers / Capacité des tiroirs de 80 mm de haut                         | 25 Kg                                                                                                                                                                                                                            |
| Capacidad cajones de altura 170 mm / Capacity in 170 mm height drawers / Capacité des tiroirs de 170 mm de haut                      | 30 Kg                                                                                                                                                                                                                            |
| Capacidad de carga estática total / Total static weight capacity / Capacité totale de charge statique                                | 320 Kg                                                                                                                                                                                                                           |
| Sistema de cierre centralizado / Central locking system / Système de fermeture centralisée                                           | ●                                                                                                                                                                                                                                |
| Asa lateral reforzada / Reinforced side handle / Poignées latérale renforcée                                                         | ●                                                                                                                                                                                                                                |
| Sistema antivuelco en cada bandeja / Anti-overflow system in each drawers / Système anti-renversement dans chaque tiroir             | ●                                                                                                                                                                                                                                |



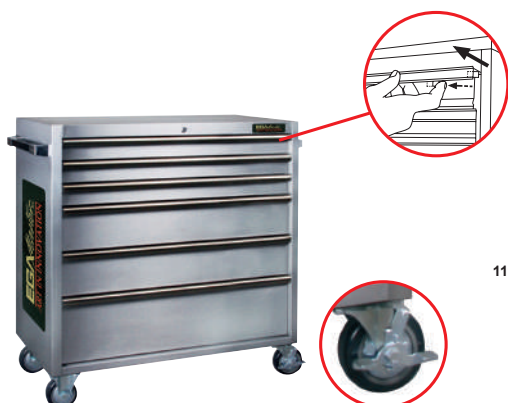
Sistema antivuelco con botón de seguridad de apertura individual por bandeja  
 Anti-oveturn system with individual safety open button in each tray  
 Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



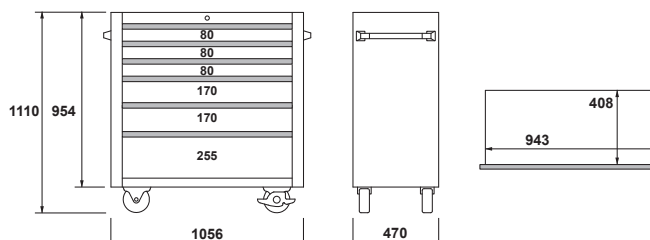
| COD.  | L x W x H (mm)   | Material estructura / Material structure / Structure matériaux | Material ruedas / Wheel material / Matière roues | Kg  |
|-------|------------------|----------------------------------------------------------------|--------------------------------------------------|-----|
| 51563 | 680 x 470 x 1420 | Inox 430                                                       | Inox 304                                         | 109 |

#### ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

|                                                                                                                                      |                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material* / Material* / Matière*                                                                                                     | Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier |
| Cajones con rodamientos / Ball-bearing slides / Tiroirs à roulement                                                                  | 14                                                                                                                                                                                                                               |
| 2 ruedas fijas y 2 giratorias con freno / 2 fixed and 2 revolving with brake wheels / 2 roues fixes et 2 roues giratoires avec frein | 5" x 1,5"                                                                                                                                                                                                                        |
| Capacidad cajones 168 x 408 x 54 mm / Drawer capacity 168 x 408 x 54 mm / Capacité des tiroirs de 168 x 408 x 54 mm                  | 15 kg                                                                                                                                                                                                                            |
| Capacidad cajones 568 x 408 x 54 mm / Drawer capacity 568 x 408 x 54 mm / Capacité des tiroirs de 568 x 408 x 54 mm                  | 25 kg                                                                                                                                                                                                                            |
| Capacidad cajones de altura 80 mm / Capacity in 80 mm height drawers / Capacité des tiroirs de 80 mm de haut                         | 25 kg                                                                                                                                                                                                                            |
| Capacidad cajones de altura 170 mm / Capacity in 170 mm height drawers / Capacité des tiroirs de 170 mm de haut                      | 30 kg                                                                                                                                                                                                                            |
| Capacidad de carga estática total / Total static weight capacity / Capacité totale de charge statique                                | 470 kg                                                                                                                                                                                                                           |
| Sistema de cierre centralizado / Central locking system / Système de fermeture centralisée                                           | ●                                                                                                                                                                                                                                |
| Asa lateral reforzada / Reinforced side handle / Poignées latérale renforcée                                                         | ●                                                                                                                                                                                                                                |
| Sistema antivuelco en cada bandeja / Anti-oveturn system in each drawers / Système anti-renversement dans chaque tiroir              | ●                                                                                                                                                                                                                                |
| Tapa con doble pistón neumático / Double pneumatic absorber equipped lid / Couvercle avec double piston pneumatique                  | ●                                                                                                                                                                                                                                |



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



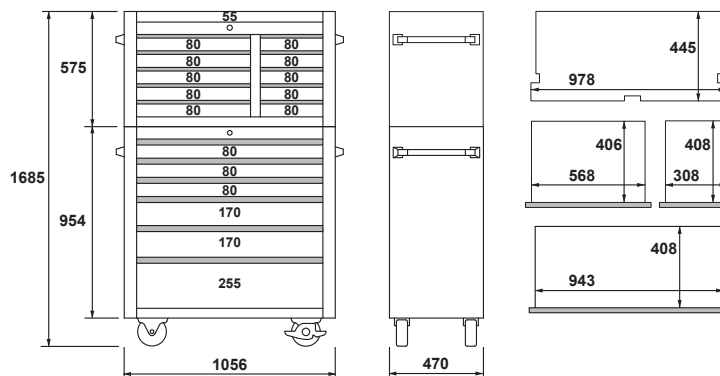
| COD.         | L x W x H (mm)    | Material estructura / Material structure / Structure matériaux | Material ruedas / Wheel material / Matière roues | Kg |
|--------------|-------------------|----------------------------------------------------------------|--------------------------------------------------|----|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

#### ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

|                                                                                                                                      |                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material* / Material* / Matière*                                                                                                     | Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero / Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel / Extérieur 100% INOX - Intérieur: Acier peint - Roues de fixation: Acier |
| Cajones con rodamientos / Ball-bearing slides / Tiroirs à roulement                                                                  | 6                                                                                                                                                                                                                                |
| 2 ruedas fijas y 2 giratorias con freno / 2 fixed and 2 revolving with brake wheels / 2 roues fixes et 2 roues giratoires avec frein | 5" x 1,5"                                                                                                                                                                                                                        |
| Capacidad cajones de altura 80 mm / Capacity in 80 mm height drawers / Capacité des tiroirs de 80 mm de haut                         | 25 Kg                                                                                                                                                                                                                            |
| Capacidad cajones de altura 170 mm / Capacity in 170 mm height drawers / Capacité des tiroirs de 170 mm de haut                      | 30 Kg                                                                                                                                                                                                                            |
| Capacidad cajones de altura 255 mm / Capacity in 255 mm height drawers / Capacité des tiroirs de 255 mm de haut                      | 30 kg                                                                                                                                                                                                                            |
| Capacidad de carga estática total / Total static weight capacity / Capacité totale de charge statique                                | 500 kg                                                                                                                                                                                                                           |
| Sistema de cierre centralizado / Central locking system / Système de fermeture centralisée                                           | ●                                                                                                                                                                                                                                |
| Asa lateral reforzada / Reinforced side handle / Poignées latérale renforcée                                                         | ●                                                                                                                                                                                                                                |
| Sistema antivuelco en cada bandeja / Anti-tilt system in each drawers / Système anti-renversement dans chaque tiroir                 | ●                                                                                                                                                                                                                                |



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



| COD.  | L x W x H (mm)    | Material estructura / Material structure / Structure<br>matériaux | Material ruedas / Wheel material / Matière roues | Kg  |
|-------|-------------------|-------------------------------------------------------------------|--------------------------------------------------|-----|
| 51564 | 1056 x 470 x 1685 | Inox 430                                                          | Inox 304                                         | 168 |

#### ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

|                                                                                                                                         |                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material* / Material* / Matière*                                                                                                        | Exterior 100% INOX - Interior: Acero pintado - Placa fijación ruedas: Acero /<br>Exterior 100% INOX - Interior: Painted Steel - Wheel fixing plate: Steel / Extérieur<br>100% INOX - Intérieur: Acier peint - Roues de fixation: Acier |
| Cajones con rodamientos / Ball-bearing slides / Tiroirs à roulement                                                                     | 16                                                                                                                                                                                                                                     |
| 2 ruedas fijas y 2 giratorias con freno / 2 fixed and 2 revolving with brake<br>wheels / 2 roues fixes et 2 roues giratoires avec frein | 5" x 1,5"                                                                                                                                                                                                                              |
| Capacidad cajones de altura 55 mm / Capacity in 55 mm height drawers /<br>Capacité des tiroirs de 55 mm de haut                         | 30 kg                                                                                                                                                                                                                                  |
| Capacidad cajón 568 x 406 x 80 mm / Drawer capacity 568 x 406 x 80 mm /<br>Capacité du tiroir 568 x 406 x 80 mm                         | 25 kg                                                                                                                                                                                                                                  |
| Capacidad cajón 308 x 408 x 80 mm / Drawer capacity 308 x 408 x 80 mm /<br>Capacité du tiroir 308 x 408 x 80 mm                         | 25 kg                                                                                                                                                                                                                                  |
| Capacidad cajón 943 x 408 x 80 mm / Drawer capacity 943 x 408 x 80 mm /<br>Capacité du tiroir 943 x 408 x 80 mm                         | 25 Kg                                                                                                                                                                                                                                  |
| Capacidad cajones de altura 170 mm / Capacity in 170 mm height drawers /<br>Capacité des tiroirs de 170 mm de haut                      | 30 Kg                                                                                                                                                                                                                                  |
| Capacidad cajones de altura 255 mm / Capacity in 255 mm height drawers /<br>Capacité des tiroirs de 255 mm de haut                      | 30 kg                                                                                                                                                                                                                                  |
| Capacidad de carga estática total / Total static weight capacity / Capacité totale<br>de charge statique                                | 700 kg                                                                                                                                                                                                                                 |
| Sistema de cierre centralizado / Central locking system / Système de fermeture<br>centralisée                                           | ●                                                                                                                                                                                                                                      |
| Asa lateral reforzada / Reinforced side handle / Poignées latérale renforcée                                                            | ●                                                                                                                                                                                                                                      |
| Sistema antivuelco en cada bandeja / Anti-overturn system in each drawers /<br>Système anti-renversement dans chaque tiroir             | ●                                                                                                                                                                                                                                      |

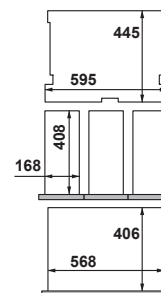
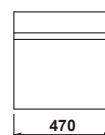
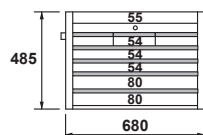
**COFRES PORTAHERRAMIENTAS DE SUPERFICIES INOX\* / INOX SURFACE TOOL CHEST\* / COFFRE À TIROIRS AVEC SURFACE INOX\* / WERKSTATTKASTEN MIT INOX OBERFLÄCHE\* / CASSETTI PORTAUTENSILI DI SUPERFICI INOX\* / BAÚ PORTA-FERRAMENTAS DE SUPERFÍCIE INOX\* / ПОРТАТИВНЫЕ ЯЩИКИ С ПОКРЫТИЕМ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ\***



Sistema antivuelco con botón de seguridad de apertura individual por bandeja

Anti-overtum system with individual safety open button in each tray

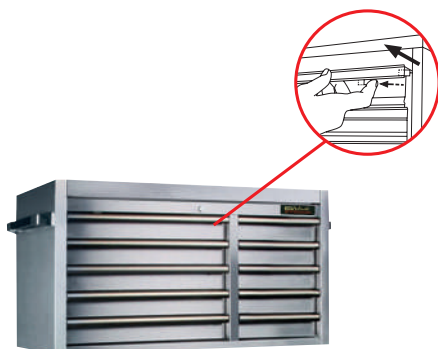
Système anti-renversement avec bouton de sécurité d'ouverture individuelle par tiroir



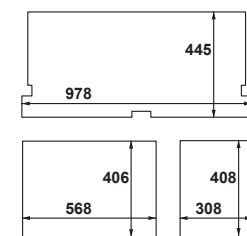
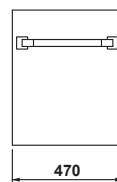
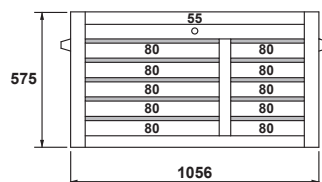
| COD.         | L x W x H (mm)  | Material estructura / Material structure / Structure matériaux | Kg   |
|--------------|-----------------|----------------------------------------------------------------|------|
| <b>51560</b> | 680 x 470 x 485 | Inox 430                                                       | 45,5 |

**ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES**

|                                                                                                                         |                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Material* / Material* / Matière*                                                                                        | Exterior: 100% INOX – Interior: Acero pintado / Exterior 100% INOX – Interior: Painted Steel / Extérieur 100% INOX - Intérieur: Acier peint |
| Cajones con rodamientos / Ball-bearing slides / Tiroirs à roulement                                                     | 7                                                                                                                                           |
| Capacidad cajones de altura 55 mm / Capacity in 55 mm height drawers / Capacité des tiroirs de 55 mm de haut            | 20 kg                                                                                                                                       |
| Capacidad cajones 168 x 408 x 54 mm / Drawer capacity 168 x 408 x 54 mm / Capacité des tiroirs de 168 x 408 x 54 mm     | 15 kg                                                                                                                                       |
| Capacidad cajones 568 x 408 x 54 mm / Drawer capacity 568 x 408 x 54 mm / Capacité des tiroirs de 568 x 408 x 54 mm     | 25 kg                                                                                                                                       |
| Capacidad cajones de altura 80 mm / Capacity in 80 mm height drawers / Capacité des tiroirs de 80 mm de haut            | 25 kg                                                                                                                                       |
| Capacidad de carga estática total / Total static weight capacity / Capacité totale de charge statique                   | 150 kg                                                                                                                                      |
| Sistema de cierre centralizado / Central locking system / Système de fermeture centralisée                              | ●                                                                                                                                           |
| Asa lateral reforzada / Reinforced side handle / Poignées latérale renforcée                                            | ●                                                                                                                                           |
| Sistema antivuelco en cada bandeja / Anti-overtum system in each drawers / Système anti-renversement dans chaque tiroir | ●                                                                                                                                           |
| Tapa con doble pistón neumático / Double pneumatic absorber equipped lid / Couvercle avec double piston pneumatique     | ●                                                                                                                                           |



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



| COD.  | L x W x H (mm)   | Material estructura / Material structure / Structure matériaux | Kg |
|-------|------------------|----------------------------------------------------------------|----|
| 51562 | 1056 x 470 x 575 | Inox 430                                                       | 95 |

#### ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

|                                                                                                                          |                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Material* / Material* / Matière*                                                                                         | Exterior: 100% INOX – Interior: Acero pintado / Exterior 100% INOX – Interior: Painted Steel / Extérieur 100% INOX - Intérieur: Acier peint |
| Cajones con rodamientos / Ball-bearing slides / Tiroirs à roulement                                                      | 10                                                                                                                                          |
| Capacidad cajones de altura 55 mm / Capacity in 55 mm height drawers / Capacité des tiroirs de 55 mm de haut             | 30 kg                                                                                                                                       |
| Capacidad cajón 308 x 408 x 80 mm / Drawer capacity 308 x 408 x 80 mm / Capacité du tiroir 308 x 408 x 80 mm             | 25 kg                                                                                                                                       |
| Capacidad cajón 568 x 406 x 80 mm / Drawer capacity 568 x 406 x 80 mm / Capacité du tiroir 568 x 406 x 80 mm             | 25 kg                                                                                                                                       |
| Capacidad de carga estática total / Total static weight capacity / Capacité totale de charge statique                    | 200 kg                                                                                                                                      |
| Sistema de cierre centralizado / Central locking system / Système de fermeture centralisée                               | ●                                                                                                                                           |
| Asa lateral reforzada / Reinforced side handle / Poignées latérale renforcée                                             | ●                                                                                                                                           |
| Sistema antivuelco en cada bandeja / Anti-overturn system in each drawers / Système anti-renversement dans chaque tiroir | ●                                                                                                                                           |

# BE SAFE...BE EFFICIENT

■ **SS 304**

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

■ **UNIVERSALES / COMBINATION / UNIVERSELLES / KOMBIZANGEN / UNIVERSALI / UNIVERSAIS / УНИВЕРСАЛЬНЫЕ**

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| I0001 | SS 304 | 150    | 180                                                                               |
| I0002 |        | 175    | 350                                                                               |
| I0003 |        | 200    | 470                                                                               |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| I0004 | SS 304 | 150    | 195                                                                               |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-----------------------------------------------------------------------------------|
| I0005 | SS 304 | 150    | 145                                                                               |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|------------------------------------------------------------------------------------|
| I0006 | SS 304 | 150    | 190                                                                                |
| I0007 |        | 200    | 340                                                                                |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| I0008 | SS 304 | 150    | 185                                                                                 |
| I0009 |        | 200    | 320                                                                                 |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| I0010 | SS 304 | 150    | 250                                                                                 |
| I0011 |        | 200    | 410                                                                                 |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| I0012 | SS 304 | 180    | 190                                                                                 |
| I0013 |        | 200    | 230                                                                                 |



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

| COD.  | MAT.   | L (mm) |  |
|-------|--------|--------|-------------------------------------------------------------------------------------|
| I0014 | SS 304 | 180    | 280                                                                                 |



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

| COD.         | MAT.   | L (mm) |  |
|--------------|--------|--------|-----------------------------------------------------------------------------------|
| <b>I0017</b> | SS 304 | 170    | 200                                                                               |



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

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

| COD.         | MAT.   | L (inch) |  |
|--------------|--------|----------|-----------------------------------------------------------------------------------|
| <b>I0026</b> | SS 304 | 10       | 440                                                                               |
| <b>I0027</b> |        | 12       | 700                                                                               |



**■ PICO DE LORO / GROOVE JOINT / MULTIPRISE À CRÉMAILLÈRE / WASSERPUMPENZANGE / PINZE REGOLABILI / BICO DE PAPAGAIO / КЛЕЩИ ЖЕЛОБОВОГО ТИПА**

| COD.         | MAT.   | L (inch) |  |
|--------------|--------|----------|-----------------------------------------------------------------------------------|
| <b>I0028</b> | SS 304 | 10       | 410                                                                               |
| <b>I0029</b> |        | 12       | 650                                                                               |



**■ GRIP / GRIP / PINCE ÉTAU / GRIPZANGE / PINZE GRIP / PRESSÃO / СТРУБЦИНА**

| COD.         | MAT.   | L (inch) |  |
|--------------|--------|----------|------------------------------------------------------------------------------------|
| <b>I0030</b> | SS 304 | 10       | 480                                                                                |



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

**■ LLAVE AJUSTABLE / ADJUSTABLE WRENCH / CLÉ À MOLETTE / ROLLGABELSCHÜSSEL / CHIAVE REGOLABILI A RULLINO / CHAVE AJUSTAVEL / РАЗВОДНЫЕ КЛЮЧИ**

| COD.         | MAT.   | L (inch) | L (mm) |  |  |
|--------------|--------|----------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>I0031</b> | SS 304 | 6        | 150    | 18                                                                                  | 145                                                                                   |
| <b>I0032</b> |        | 8        | 200    | 24                                                                                  | 270                                                                                   |
| <b>I0033</b> |        | 10       | 250    | 30                                                                                  | 410                                                                                   |
| <b>I0034</b> |        | 12       | 300    | 36                                                                                  | 650                                                                                   |
| <b>I0035</b> |        | 15       | 375    | 46                                                                                  | 1450                                                                                  |
| <b>I0036</b> |        | 18       | 450    | 55                                                                                  | 2050                                                                                  |
| <b>I0037</b> |        | 24       | 600    | 65                                                                                  | 4700                                                                                  |



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

| COD.         | MAT.   |  | L (mm) |  |
|--------------|--------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| <b>I0894</b> | SS 304 | 5,5-7                                                                               | 90     | 25                                                                                   |
| <b>I0038</b> |        | 6-7                                                                                 |        |                                                                                      |
| <b>I0039</b> |        | 8-9                                                                                 | 100    | 34                                                                                   |
| <b>I0040</b> |        | 10-11                                                                               | 115    | 60                                                                                   |
| <b>I0041</b> |        | 12-13                                                                               | 130    | 75                                                                                   |
| <b>I0042</b> |        | 14-15                                                                               | 140    | 120                                                                                  |
| <b>I0043</b> |        | 16-17                                                                               | 155    | 130                                                                                  |
| <b>I0044</b> |        | 18-19                                                                               | 165    | 150                                                                                  |
| <b>I0045</b> |        | 19-22                                                                               | 185    | 220                                                                                  |
| <b>I0046</b> |        | 20-22                                                                               | 195    | 250                                                                                  |
| <b>I0047</b> |        | 21-23                                                                               | 200    | 280                                                                                  |
| <b>I0048</b> |        | 22-24                                                                               | 210    | 310                                                                                  |
| <b>I0049</b> |        | 24-26                                                                               | 220    | 330                                                                                  |
| <b>I0050</b> |        | 24-27                                                                               | 230    | 350                                                                                  |
| <b>I0051</b> |        | 25-28                                                                               |        | 370                                                                                  |
| <b>I0052</b> |        | 27-29                                                                               | 240    |                                                                                      |
| <b>I0053</b> |        | 27-30                                                                               | 250    | 490                                                                                  |
| <b>I0054</b> |        | 30-32                                                                               | 270    | 600                                                                                  |



| COD.  | MAT.   | AP mm | L (mm) | g    |
|-------|--------|-------|--------|------|
| I0055 | SS 304 | 27-32 | 270    | 490  |
| I0056 |        | 32-36 | 300    | 900  |
| I0057 |        | 36-41 | 330    | 1350 |
| I0058 |        | 38-42 |        |      |

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

| COD.  | MAT.   | AP mm | L (mm) | g    |
|-------|--------|-------|--------|------|
| I0059 | SS 304 | 4     | 80     | 18   |
| I0060 |        | 5     |        |      |
| I0061 |        | 5,5   |        |      |
| I0927 |        | 6     |        |      |
| I0062 |        | 7     | 95     | 40   |
| I0895 |        | 8     |        |      |
| I0063 |        | 10    |        |      |
| I0064 |        | 12    |        |      |
| I0896 |        | 13    | 140    | 95   |
| I0065 |        | 14    |        |      |
| I0066 |        | 16    |        |      |
| I0067 |        | 17    | 160    | 105  |
| I0068 |        | 18    |        |      |
| I0069 |        | 19    |        |      |
| I0897 |        | 22    |        |      |
| I0070 |        | 24    | 220    | 190  |
| I0071 |        | 27    |        |      |
| I0072 |        | 30    |        |      |
| I0073 |        | 32    | 280    | 400  |
| I0898 |        | 33    |        |      |
| I0074 |        | 34    |        |      |
| I0075 |        | 36    |        |      |
| I0076 |        | 41    | 350    | 600  |
| I0077 |        | 46    |        |      |
| I0078 |        | 50    |        |      |
| I0079 |        | 55    | 450    | 1500 |
| I0080 |        | 60    |        |      |
| I0081 |        | 65    |        |      |
| I0082 |        | 70    | 550    | 2950 |
| I0083 |        | 75    |        |      |



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

■ **MM**

| COD.  | MAT.   | AP mm | L (mm) | g   |
|-------|--------|-------|--------|-----|
| I0084 | SS 304 | 6     | 105    | 18  |
| I0085 |        | 7     | 120    | 40  |
| I0086 |        | 8     |        |     |
| I0087 |        | 9     |        |     |
| I0088 |        | 10    | 135    | 45  |
| I0089 |        | 11    |        |     |
| I0090 |        | 12    |        |     |
| I0091 |        | 13    | 175    | 90  |
| I0092 |        | 14    |        |     |
| I0093 |        | 15    | 195    | 140 |
| I0094 |        | 16    |        |     |
| I0095 |        | 17    |        |     |
| I0096 |        | 18    | 220    | 180 |
| I0097 |        | 19    |        |     |
| I0098 |        | 20    |        |     |
| I0099 |        | 21    | 250    | 280 |
| I0100 |        | 22    |        |     |



| COD.  | MAT.   | AP mm | L (mm) | g    |
|-------|--------|-------|--------|------|
| I0101 | SS 304 | 23    | 270    | 320  |
| I0102 |        | 24    |        |      |
| I0103 |        | 25    |        |      |
| I0104 |        | 26    | 290    | 430  |
| I0105 |        | 27    |        |      |
| I0106 |        | 28    |        |      |
| I0107 |        | 29    | 320    | 550  |
| I0108 |        | 30    |        |      |
| I0109 |        | 32    | 340    | 800  |
| I0110 |        | 36    |        |      |
| I0111 |        | 46    | 430    | 1500 |
| I0112 |        | 50    |        |      |
| I0113 |        | 56    | 550    | 2000 |

## INCH

N!

| COD.  | MAT.   | AP inch | L (mm) | g    |
|-------|--------|---------|--------|------|
| I0114 | SS 304 | 1/4     | 120    | 40   |
| I0115 |        | 5/16    |        |      |
| I0116 |        | 11/32   | 135    | 45   |
| I0117 |        | 3/8     |        |      |
| I0118 |        | 13/32   | 150    | 65   |
| I0119 |        | 7/16    |        |      |
| I0120 |        | 1/2     | 175    | 90   |
| I0121 |        | 9/16    |        |      |
| I0122 |        | 5/8     | 195    | 140  |
| I0123 |        | 11/16   |        |      |
| I0124 |        | 3/4     | 220    | 180  |
| I0125 |        | 13/16   |        |      |
| I0126 |        | 25/32   | 250    | 280  |
| I0127 |        | 7/8     |        |      |
| I0128 |        | 15/16   | 270    | 320  |
| I0129 |        | 31/32   |        |      |
| I0130 |        | 1       | 290    | 430  |
| I0131 |        | 1.1/16  |        |      |
| I0132 |        | 1.1/8   | 320    | 550  |
| I0133 |        | 1.3/16  |        |      |
| I0134 |        | 1.1/4   | 340    | 800  |
| I0135 |        | 1.3/8   |        |      |
| I0136 |        | 1.1/2   | 430    | 1300 |



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

N!

| COD.  | MAT.   | AP mm | L (mm) | g   |
|-------|--------|-------|--------|-----|
| I0137 | SS 304 | 10    | 165    | 125 |
| I0899 |        | 11    | 175    | 150 |
| I0900 |        | 12    |        |     |
| I0901 |        | 14    | 190    | 180 |
| I0902 |        | 15    |        |     |
| I0138 |        | 17    | 220    | 280 |
| I0903 |        | 18    |        |     |
| I0139 |        | 19    | 240    | 350 |
| I0904 |        | 20    |        |     |
| I0140 |        | 24    | 290    | 550 |
| I0141 |        | 27    |        |     |



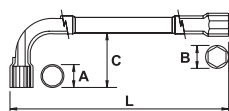
**LLAVES ACODADAS / DOUBLE OFFSET RING WRENCHES / CLÉS POLYGONALES CONTRE-COUDÉES / RINGSCHLÜSSEL / CHIAVI POLIGONALI / CHAVES LUNETA / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА**

N!

| COD.  | MAT.   | AP mm | L (mm) | g   |
|-------|--------|-------|--------|-----|
| I0142 | SS 304 | 6-7   | 95     | 25  |
| I0143 |        | 8-9   | 115    | 32  |
| I0144 |        | 10-11 | 125    | 37  |
| I0905 |        | 10-13 | 140    | 55  |
| I0145 |        | 12-13 | 145    | 70  |
| I0146 |        | 14-15 | 165    | 100 |
| I0147 |        | 16-17 | 170    | 120 |
| I0148 |        | 18-19 | 185    | 130 |
| I0149 |        | 20-22 | 200    | 180 |
| I0150 |        | 21-23 | 220    | 240 |
| I0151 |        | 24-26 | 230    | 320 |
| I0152 |        | 25-28 | 270    | 390 |
| I0153 |        | 30-32 | 300    | 470 |
| I0154 |        | 32-36 | 330    | 600 |
| I0155 |        | 38-42 | 370    | 950 |



**LLAVES DE PIPA ABIERTAS / ANGLED OPEN SOCKETS / CLÉS À PIPE DEBOUCHEES / PFEIFENKOPFSCHLÜSSEL / CHIAVI A PIPA APERTE / DE CACHIMBO ABERTAS / КЛЮЧ С ИЗОГНУТЫМИ ГОЛОВКАМИ**



N!

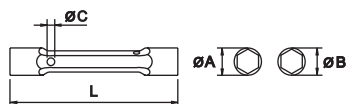
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) |  |  |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| I0156 | SS 304 | 6                                                                                   | 100    | 11     | 11     | 38     | 60                                                                                  | 6                                                                                   |  |
| I0157 |        | 7                                                                                   | 110    | 13     | 13     | 42     | 75                                                                                  |                                                                                     |                                                                                       |
| I0158 |        | 8                                                                                   | 115    | 14     | 14     | 46     | 95                                                                                  |                                                                                     |                                                                                       |
| I0159 |        | 10                                                                                  | 130    | 16     | 16     | 50     | 135                                                                                 |                                                                                     |                                                                                       |
| I0160 |        | 13                                                                                  | 160    | 20     | 20     | 55     | 240                                                                                 |                                                                                     |                                                                                       |
| I0161 |        | 16                                                                                  | 190    | 25     | 25     | 70     | 370                                                                                 |                                                                                     |                                                                                       |
| I0162 |        | 17                                                                                  |        | 26     | 26     |        |                                                                                     |                                                                                     |                                                                                       |
| I0163 |        | 18                                                                                  | 200    | 27     | 27     | 75     | 530                                                                                 |                                                                                     |                                                                                       |
| I0164 |        | 19                                                                                  |        | 28     | 28     |        |                                                                                     |                                                                                     |                                                                                       |
| I0165 |        | 22                                                                                  | 230    | 32     | 32     | 90     | 700                                                                                 |                                                                                     |                                                                                       |
| I0166 |        | 24                                                                                  | 250    | 36     | 36     | 100    | 770                                                                                 |                                                                                     |                                                                                       |



**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

12 x 6

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



N!

| COD.  | MAT.   | AP mm | L (mm) | A (mm) | B (mm) | C (mm) | g   |
|-------|--------|-------|--------|--------|--------|--------|-----|
| I0167 | SS 304 | 6-7   | 105    | 11     | 12     | 4      | 65  |
| I0168 |        | 8-9   | 115    | 13     | 15     |        | 85  |
| I0169 |        | 7-10  | 120    | 17     | 16     |        | 105 |
| I0170 |        | 10-11 |        |        | 18     |        |     |
| I0171 |        | 12-13 | 140    | 19     | 21     | 6      | 160 |
| I0172 |        | 14-15 |        | 22     | 23     | 7      | 240 |
| I0173 |        | 16-17 | 155    | 24     | 26     | 8      | 420 |
| I0174 |        | 18-19 | 165    | 28     | 29     | 9      | 500 |
| I0175 |        | 20-22 | 175    | 30     | 32     |        | 600 |
| I0176 |        | 21-23 | 185    | 31     | 33     | 11     | 650 |



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | g    |
|-------|--------|-------|--------|--------|--------|--------|------|
| I0177 | SS 304 | 24-26 | 195    | 35     | 37     | 12     | 850  |
| I0178 |        | 24-27 |        |        |        |        |      |
| I0179 |        | 25-28 | 210    | 36     | 39     | 13     | 900  |
| I0180 |        | 27-29 |        |        |        |        |      |
| I0181 |        | 30-32 | 220    | 42     | 45     | 14     | 1000 |

**LLAVE HEAVY DUTY / HEAVY DUTY PIPE WRENCH / CLÉ SERRE-TUBES HEAVY DUTY / HEAVY DUTY ROHRZANGE / GIRATUBI MODELLO AMERICANO PESANTE / CHAVE HEAVY DUTY / ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК**

N!

| COD.  | MAT.   | L (inch) | CAP. (inch) | Kg   |
|-------|--------|----------|-------------|------|
| I0182 | SS 304 | 6        | 3/4         | 320  |
| I0183 |        | 8        | 1           | 420  |
| I0184 |        | 10       | 1.1/4       | 750  |
| I0185 |        | 12       | 1.1/2       | 1050 |
| I0186 |        | 14       | 2           | 1300 |
| I0187 |        | 18       | 2.1/2       | 2250 |
| I0188 |        | 24       | 3           | 3600 |



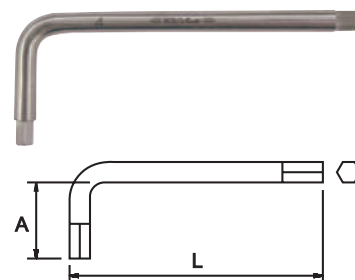
**LLAVES HEXAGONALES / HEXAGONAL KEYS / CLÉS MÂLES / INBUSSCHLÜSSEL / CHIAVI ESAGONALI / CHAVES HEXAGONAIS / ШЕСТИГРАННЫЕ КЛЮЧИ**

**STANDARD**

**MM**

N!

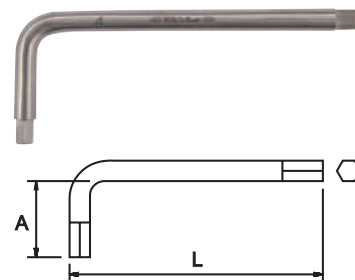
| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| I0189 | SS 304 | 1,5   | 60     | 22     | 8,0 |
| I0190 |        | 2     |        |        |     |
| I0191 |        | 2,5   |        |        |     |
| I0192 |        | 3     |        |        |     |
| I0193 |        | 3,5   | 65     | 23     | 10  |
| I0194 |        | 4     |        | 26     |     |
| I0195 |        | 4,5   | 70     | 27     | 16  |
| I0196 |        | 5     | 80     | 28     |     |
| I0197 |        | 6     | 85     | 32     | 25  |
| I0198 |        | 7     | 90     | 37     | 34  |
| I0199 |        | 8     |        |        | 50  |
| I0200 |        | 9     | 95     | 36     | 60  |
| I0201 |        | 10    | 110    |        | 80  |
| I0202 |        | 11    | 120    | 38     | 100 |
| I0203 |        | 12    | 130    | 41     | 145 |
| I0204 |        | 14    | 150    | 46     | 210 |
| I0205 |        | 17    | 170    | 50     | 370 |



**INCH**

N!

| COD.  | MAT.   | AF inch | L (mm) | A (mm) | g   |
|-------|--------|---------|--------|--------|-----|
| I0206 | SS 304 | 1/16    | 60     | 22     | 8,0 |
| I0207 |        | 5/64    |        |        |     |
| I0208 |        | 3/32    |        |        |     |
| I0986 |        | 7/64    |        |        |     |
| I0209 |        | 1/8     | 65     | 23     | 10  |
| I0210 |        | 9/64    |        |        |     |
| I0211 |        | 5/32    | 80     | 28     | 16  |
| I0212 |        | 3/16    | 85     | 32     | 25  |
| I0213 |        | 7/32    | 90     | 37     | 30  |
| I0214 |        | 1/4     |        |        | 50  |
| I0987 |        | 9/32    | 100    | 37     | 60  |
| I0215 |        | 5/16    | 110    |        | 85  |
| I0988 |        | 11/32   | 120    | 38     | 100 |
| I0216 |        | 3/8     |        |        |     |
| I0989 |        | 7/16    |        |        |     |



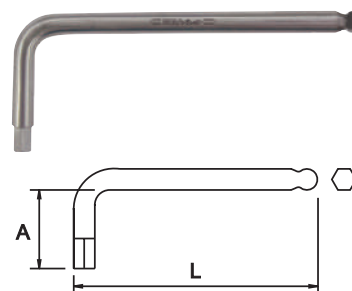
| COD.         | MAT.   | AF $\frac{inch}{mm}$ | L (mm) | A (mm) | g   |
|--------------|--------|----------------------|--------|--------|-----|
| <b>I0990</b> | SS 304 | 1/2                  | 140    | 43     | 160 |

**STANDARD CON PUNTA DE BOLA / STANDARD BALLPOINT / STANDARD EMBOUT SPHÉRIQUE / KUGELKOPF- WINKELSCHRAUBER / STANDARD CON PUNTA A SFERA / STANDARD COM BOLA / СТАНДАРТНЫЙ С ШАРИКОВОЙ ГОЛОВКОЙ**

**MM**

**N!**

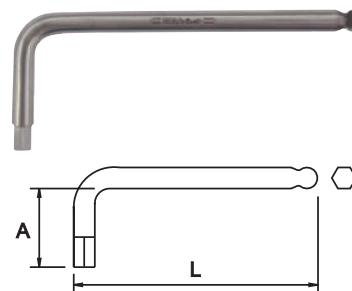
| COD.         | MAT.   | AF $\frac{mm}{mm}$ | L (mm) | A (mm) | g   |
|--------------|--------|--------------------|--------|--------|-----|
| <b>I0217</b> | SS 304 | 1,5                | 50     | 16     | 3,0 |
| <b>I0218</b> |        | 2,5                | 55     | 18     | 4,0 |
| <b>I0219</b> |        | 3                  | 65     | 20     | 5,0 |
| <b>I0220</b> |        | 4                  | 70     | 25     | 12  |
| <b>I0221</b> |        | 6                  | 90     | 32     | 30  |
| <b>I0222</b> |        | 10                 | 110    | 40     | 100 |



**INCH**

**N!**

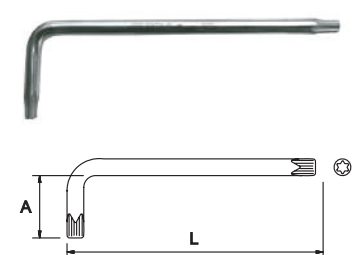
| COD.         | MAT.   | AF $\frac{inch}{inch}$ | L (mm) | A (mm) | g   |
|--------------|--------|------------------------|--------|--------|-----|
| <b>I0223</b> | SS 304 | 1/16                   | 50     | 13     | 3,0 |
| <b>I0224</b> |        | 5/64                   | 55     | 16     | 4,0 |
| <b>I0225</b> |        | 3/32                   | 55     | 18     | 4,0 |
| <b>I0226</b> |        | 7/64                   | 65     | 20     | 5,0 |
| <b>I0227</b> |        | 1/8                    | 65     | 20     | 5,0 |
| <b>I0228</b> |        | 9/64                   | 70     | 25     | 12  |
| <b>I0229</b> |        | 5/32                   | 70     | 25     | 12  |
| <b>I0230</b> |        | 3/16                   | 80     | 28     | 22  |
| <b>I0231</b> |        | 7/32                   | 90     | 32     | 30  |
| <b>I0232</b> |        | 1/4                    | 90     | 32     | 30  |
| <b>I0233</b> |        | 5/16                   | 100    | 36     | 55  |
| <b>I0234</b> |        | 3/8                    | 110    | 40     | 100 |
| <b>I0235</b> |        | 1/2                    | 135    | 48     | 250 |



**SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ**

**N!**

| COD.         | MAT.   | AF $\frac{mm}{mm}$ | L (mm) | A (mm) | g   |
|--------------|--------|--------------------|--------|--------|-----|
| <b>I0906</b> | SS 304 | 2                  | 75     | 18     | 8,0 |
| <b>I0236</b> |        | 2,5                | 85     | 21     | 9,0 |
| <b>I0237</b> |        | 3                  | 95     | 23     | 10  |
| <b>I0238</b> |        | 3,5                | 100    | 26     | 13  |
| <b>I0239</b> |        | 4                  | 105    | 29     | 14  |
| <b>I0240</b> |        | 5                  | 120    | 33     | 22  |
| <b>I0241</b> |        | 6                  | 140    | 38     | 37  |
| <b>I0242</b> |        | 7                  | 145    | 41     | 48  |
| <b>I0243</b> |        | 8                  | 160    | 44     | 70  |
| <b>I0244</b> |        | 9                  | 170    | 47     | 100 |
| <b>I0245</b> |        | 10                 | 180    | 50     | 125 |
| <b>I0246</b> |        | 11                 | 190    | 55     | 155 |
| <b>I0247</b> |        | 12                 | 200    | 55     | 210 |

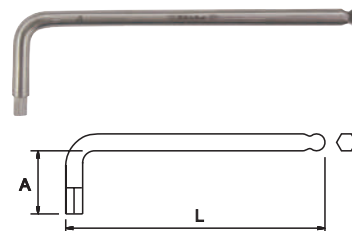


**BOLA SERIE LARGA / LONG PATTERN BALLPOINT / SÉRIE LONGUE À TÊTE SPHÉRIQUE / KUGELKOPF- INBUSSCHLÜSSEL / SERIE LUNGA CON TESTA SFERICA / ESFERICAS, SERIE LONGA / ДЛИННЫЙ С ШАРОВОЙ ГОЛОВКОЙ**

MM

N!

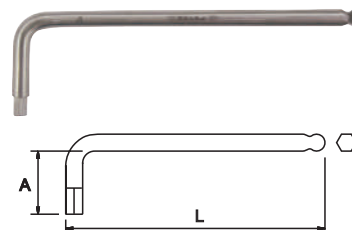
| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| I0248 | SS 304 | 1,5   | 65     | 16     | 3,7 |
| I0249 |        | 2     | 75     | 18     | 4,5 |
| I0250 |        | 2,5   | 85     | 21     | 6,5 |
| I0251 |        | 3     | 95     | 23     | 8,0 |
| I0252 |        | 3,5   | 100    | 26     | 12  |
| I0253 |        | 4     | 105    | 29     | 15  |
| I0975 |        | 4,5   | 105    | 29     | 22  |
| I0254 |        | 5     | 120    | 33     | 28  |
| I0255 |        | 5,5   | 130    | 36     | 34  |
| I0256 |        | 6     | 140    | 38     | 41  |
| I0257 |        | 7     | 145    | 41     | 65  |
| I0258 |        | 8     | 160    | 44     | 76  |
| I0259 |        | 9     | 170    | 47     | 105 |
| I0260 |        | 10    | 180    | 50     | 140 |
| I0261 |        | 11    | 190    | 55     | 190 |
| I0262 |        | 12    | 200    | 55     | 250 |
| I0263 |        | 14    | 230    | 70     | 380 |
| I0264 |        | 17    | 260    | 80     | 550 |



INCH

N!

| COD.  | MAT.   | AF inch | L (mm) | A (mm) | g   |
|-------|--------|---------|--------|--------|-----|
| I0265 | SS 304 | 1/16    | 65     | 16     | 3,7 |
| I0266 |        | 5/64    | 75     | 18     | 4,5 |
| I0267 |        | 3/32    | 85     | 21     | 6,5 |
| I0268 |        | 7/64    | 95     | 23     | 8,0 |
| I0269 |        | 1/8     | 95     | 23     | 8,0 |
| I0270 |        | 9/64    | 100    | 26     | 12  |
| I0271 |        | 5/32    | 105    | 29     | 15  |
| I0272 |        | 3/16    | 120    | 33     | 28  |
| I0273 |        | 7/32    | 130    | 36     | 34  |
| I0274 |        | 1/4     | 140    | 38     | 41  |
| I0275 |        | 5/16    | 160    | 44     | 75  |
| I0276 |        | 3/8     | 160    | 44     | 75  |
| I0277 |        | 1/2     | 200    | 55     | 250 |

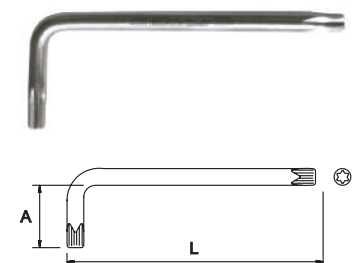


TORX®

STANDARD

N!

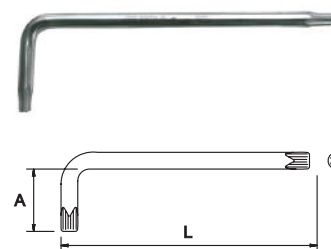
| COD.  | MAT.   |      | L (mm) | A (mm) | g   |
|-------|--------|------|--------|--------|-----|
| I0278 | SS 304 | T-6  | 42     | 16     | 7,5 |
| I0279 |        | T-7  | 42     |        |     |
| I0280 |        | T-8  | 48     |        |     |
| I0281 |        | T-9  | 48     | 17     | 9,5 |
| I0282 |        | T-10 | 50     |        |     |
| I0283 |        | T-15 | 55     | 18     | 9,5 |
| I0284 |        | T-20 | 55     | 20     | 13  |
| I0285 |        | T-25 | 60     | 20     | 17  |
| I0286 |        | T-27 | 65     | 21     | 19  |
| I0287 |        | T-30 | 70     | 24     | 29  |
| I0288 |        | T-35 | 75     | 25     | 33  |
| I0289 |        | T-40 | 75     | 26     | 29  |
| I0290 |        | T-45 | 85     | 29     | 48  |
| I0291 |        | T-50 | 95     | 32     | 70  |



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

■ **SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ**

| COD.  | MAT.   |  | L (mm) | A (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|-------------------------------------------------------------------------------------|
| I0292 | SS 304 | T-6                                                                               | 65     | 16     | 10                                                                                  |
| I0293 |        | T-7                                                                               | 70     |        |                                                                                     |
| I0294 |        | T-8                                                                               |        |        |                                                                                     |
| I0295 |        | T-9                                                                               | 75     | 17     | 11                                                                                  |
| I0296 |        | T-10                                                                              |        |        |                                                                                     |
| I0297 |        | T-15                                                                              | 80     | 18     | 13                                                                                  |
| I0298 |        | T-20                                                                              |        | 20     | 17                                                                                  |
| I0299 |        | T-25                                                                              |        |        |                                                                                     |
| I0300 |        | T-27                                                                              | 85     | 21     | 25                                                                                  |
| I0301 |        | T-30                                                                              | 90     | 24     | 35                                                                                  |
| I0302 |        | T-35                                                                              | 95     | 25     | 40                                                                                  |
| I0303 |        | T-40                                                                              | 100    | 26     | 48                                                                                  |
| I0304 |        | T-45                                                                              | 115    | 29     | 60                                                                                  |
| I0305 |        | T-50                                                                              | 125    | 32     | 85                                                                                  |

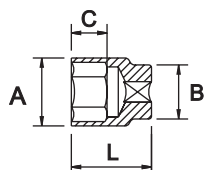


■ **LLAVES DE VASO / SOCKET WRENCHES / DOUILLES / STECKSCHLÜSSEL / BUSSOLE DOPPEN / CHAVES DE CAIXA / ГОЛОВКИ**

■ 1/4"

■ STANDARD

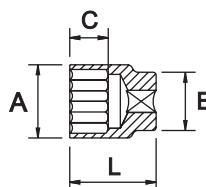
■ MM - 6 PT.



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|
| I0306 | SS 304 | 4                                                                                   | 25     | 12     | 9,0    | 11     | 6  | 17                                                                                    |
| I0307 |        | 5                                                                                   |        |        | 9,5    |        |    |                                                                                       |
| I0308 |        | 6                                                                                   |        |        | 11     |        |    |                                                                                       |
| I0309 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                       |
| I0310 |        | 8                                                                                   |        |        | 13     |        |    |                                                                                       |
| I0311 |        | 9                                                                                   | 26     | 16     | 14     | 14     | 6  | 22                                                                                    |
| I0312 |        | 10                                                                                  |        |        | 15     |        |    |                                                                                       |
| I0313 |        | 11                                                                                  |        |        | 16     |        |    |                                                                                       |
| I0314 |        | 12                                                                                  |        |        | 17     |        |    |                                                                                       |
| I0315 |        | 13                                                                                  |        |        | 18     |        |    |                                                                                       |
| I0316 |        | 14                                                                                  |        |        | 19     |        |    |                                                                                       |
| I0923 |        | 17                                                                                  | 27     |        | 23     | 15     |    | 42                                                                                    |



■ MM - 12 PT.



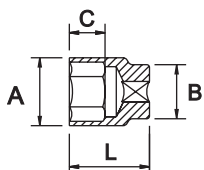
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|
| I0317 | SS 304 | 4                                                                                   | 25     | 12     | 9,0    | 11     | 12 | 17                                                                                    |
| I0318 |        | 5                                                                                   |        |        | 9,5    |        |    |                                                                                       |
| I0319 |        | 6                                                                                   |        |        | 11     |        |    |                                                                                       |
| I0320 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                       |



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

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| I0321 | SS 304 | 8                                                                                 | 25     | 13     | 13     | 11     | 12 | 17                                                                                  |
| I0322 |        | 9                                                                                 |        | 14     | 14     |        |    | 22                                                                                  |
| I0323 |        | 10                                                                                |        | 15     | 15     |        |    |                                                                                     |
| I0324 |        | 11                                                                                |        |        | 16     |        |    | 27                                                                                  |
| I0325 |        | 12                                                                                | 26     | 16     | 17     | 30     |    |                                                                                     |
| I0326 |        | 13                                                                                |        |        | 18     | 14     |    |                                                                                     |
| I0327 |        | 14                                                                                |        |        | 19     |        |    | 35                                                                                  |
| I0924 |        | 17                                                                                | 27     |        | 23     | 15     |    |                                                                                     |

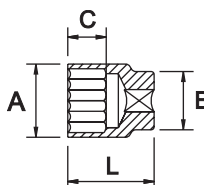
#### INCH - 6 PT.



|  | COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|---------------------------------------------------------------------------------|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
|                                                                                 | I0328 | SS 304 | 3/16                                                                              | 25     |        | 9,5    | 11     | 6  | 17                                                                                  |
|                                                                                 | I0329 |        | 7/32                                                                              |        | 12     | 11     |        |    |                                                                                     |
|                                                                                 | I0330 |        | 1/4                                                                               |        |        | 12     |        |    |                                                                                     |
|                                                                                 | I0331 |        | 5/16                                                                              |        | 13     | 13     |        |    |                                                                                     |
|                                                                                 | I0332 |        | 3/8                                                                               | 15     | 15     | 22     |        |    |                                                                                     |
|                                                                                 | I0333 |        | 7/16                                                                              |        | 16     | 27     |        |    |                                                                                     |
|                                                                                 | I0334 |        | 1/2                                                                               | 26     | 16     | 18     | 14     |    | 30                                                                                  |
|                                                                                 | I0335 |        | 9/16                                                                              |        |        | 19     |        |    | 35                                                                                  |



#### INCH - 12 PT.





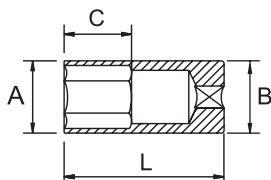
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|-------|--------|--------------------------------------------------------------------------------------------------|--------|--------|--------|--------|----|----------------------------------------------------------------------------------------------------|
| I0336 | SS 304 | 3/16                                                                                             | 25     | 12     | 9,5    | 11     | 12 | 17                                                                                                 |
| I0337 |        | 7/32                                                                                             |        |        | 11     |        |    |                                                                                                    |
| I0338 |        | 1/4                                                                                              |        |        | 12     |        |    |                                                                                                    |
| I0339 |        | 5/16                                                                                             |        |        | 13     |        |    |                                                                                                    |
| I0340 |        | 3/8                                                                                              | 15     | 15     | 14     | 22     |    |                                                                                                    |
| I0341 |        | 7/16                                                                                             | 16     | 27     |        |        |    |                                                                                                    |
| I0342 |        | 1/2                                                                                              | 16     | 18     |        | 30     |    |                                                                                                    |
| I0343 |        | 9/16                                                                                             | 26     | 19     |        | 35     |    |                                                                                                    |



■ 1/4"

■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

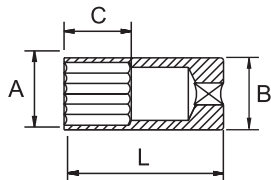
■ MM - 6 PT.



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|-------|--------|-------|--------|--------|--------|--------|----|----|
| I0344 | SS 304 | 4     | 50     | 12     | 9,0    | 11     | 6  | 40 |
| I0345 |        | 5     |        |        | 9,5    |        |    |    |
| I0346 |        | 6     |        |        | 11     |        |    |    |
| I0347 |        | 7     |        |        | 12     |        |    |    |
| I0348 |        | 8     |        | 13     | 13     | 14     | 6  | 42 |
| I0349 |        | 9     |        | 14     | 14     |        |    | 46 |
| I0350 |        | 10    |        | 15     | 15     |        |    | 50 |
| I0351 |        | 11    |        | 16     | 16     |        |    | 55 |
| I0352 |        | 12    |        |        | 17     |        |    |    |
| I0353 |        | 13    |        |        | 18     |        |    |    |
| I0354 |        | 14    |        |        | 19     |        |    | 60 |
| I0925 |        | 17    |        |        | 23     | 15     |    | 65 |



■ MM - 12 PT.

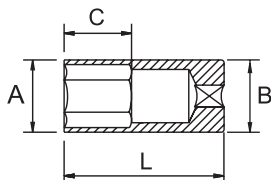


| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|-------|--------|-------|--------|--------|--------|--------|----|----|
| I0355 | SS 304 | 4     | 50     | 12     | 9,0    | 11     | 12 | 40 |
| I0356 |        | 5     |        |        | 9,5    |        |    |    |
| I0357 |        | 6     |        |        | 11     |        |    |    |
| I0358 |        | 7     |        |        | 12     |        |    |    |
| I0359 |        | 8     |        | 13     | 13     | 14     | 12 | 42 |
| I0360 |        | 9     |        | 14     | 14     |        |    | 46 |
| I0361 |        | 10    |        | 15     | 15     |        |    | 50 |
| I0362 |        | 11    |        | 16     | 16     |        |    | 55 |
| I0363 |        | 12    |        |        | 17     |        |    |    |
| I0364 |        | 13    |        |        | 18     |        |    |    |
| I0365 |        | 14    |        |        | 19     |        |    | 60 |
| I0926 |        | 17    |        |        | 23     | 15     |    | 65 |



■ 1/4"

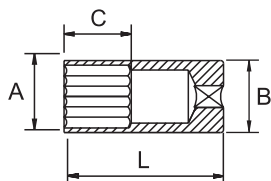
■ INCH - 6 PT.



| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|-------|--------|---------|--------|--------|--------|--------|----|----|
| I0366 | SS 304 | 3/16    | 50     | 12     | 9,5    | 11     | 6  | 40 |
| I0367 |        | 7/32    |        |        | 11     |        |    |    |
| I0368 |        | 1/4     |        |        | 12     |        |    |    |
| I0369 |        | 5/16    |        | 13     | 13     |        |    |    |
| I0370 |        | 3/8     |        | 15     | 15     |        |    |    |
| I0371 |        | 7/16    |        | 16     | 16     | 14     |    | 55 |
| I0372 |        | 1/2     |        |        | 18     |        |    |    |
| I0373 |        | 9/16    |        |        | 19     |        |    |    |



■ INCH - 12 PT.



| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|-------|--------|---------|--------|--------|--------|--------|----|----|
| I0374 | SS 304 | 3/16    | 50     | 12     | 9,5    | 11     | 12 | 40 |
| I0375 |        | 7/32    |        |        | 11     |        |    |    |
| I0376 |        | 1/4     |        |        | 12     |        |    |    |
| I0377 |        | 5/16    |        | 13     | 13     |        |    |    |
| I0378 |        | 3/8     |        | 15     | 15     |        |    |    |
| I0379 |        | 7/16    |        | 16     | 16     | 14     |    | 55 |
| I0380 |        | 1/2     |        |        | 18     |        |    |    |
| I0381 |        | 9/16    |        |        | 19     |        |    |    |



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

| COD.  | MAT.   | AF inch | L (mm) | g   |
|-------|--------|---------|--------|-----|
| I0382 | SS 304 | 1/4     | 125    | 180 |



■ ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ

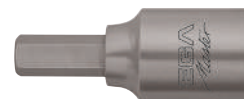
| COD.  | MAT.   | AF inch | L (inch) | g  |
|-------|--------|---------|----------|----|
| I0383 | SS 304 | 1/4     | 3        | 37 |



■ PUNTAS ATORNILLADORAS CON VASO / SOCKET BITS / EMBOUTS DE VISSAGE AVEC DOUILLE / STECKSCHLÜSSELEINSATZ / INSERTI A BUSSOLA / PONTAS APARAFUSADORAS COM CAIXA / ГОЛОВКИ-БИТЫ



| COD.  | MAT.   |  | L (mm) |  |  |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| I0928 | SS 304 | 2                                                                                   | 37     | 17                                                                                  | ●                                                                                   | 10                                                                                   |
| I0929 |        | 3                                                                                   |        | 18                                                                                  |                                                                                     |                                                                                      |
| I0930 |        | 3,5                                                                                 |        |                                                                                     |                                                                                     |                                                                                      |
| I0931 |        | 4                                                                                   |        |                                                                                     |                                                                                     |                                                                                      |
| I0932 |        | 5                                                                                   |        | 20                                                                                  |                                                                                     |                                                                                      |



| COD.  | MAT.   |  | L (mm) |  |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| I0933 | SS 304 | 6                                                                                 | 37     | 25                                                                                | ●                                                                                 | 10                                                                                  |
| I0934 |        | 8                                                                                 |        | 40                                                                                |                                                                                   |                                                                                     |
| I0935 |        | 10                                                                                |        | 60                                                                                |                                                                                   |                                                                                     |

ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELENK / SNODO CARDANICO / CARDAN UNIVERSAL / ШАРНИР

N!

| COD.  | MAT.   |  |  |
|-------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| I0942 | SS 304 | 1/4                                                                               | 75                                                                                |



MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / QUERGRIF / ASTA CON QUADRO SCORREVOLO / CABO "T" CORREDICO / ПОДВИЖНАЯ "Т" РУЧКА

N!

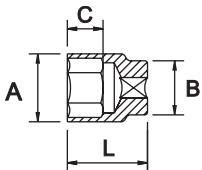
| COD.  | MAT.   |  | L (mm) |  |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| I0976 | SS 304 | 1/4                                                                               | 250    | 200                                                                               | ●                                                                                 | 5                                                                                   |



3/8"

STANDARD

MM - 6 PT.

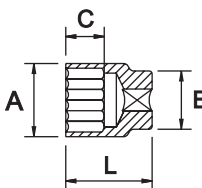


N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|
| I0384 | SS 304 | 6                                                                                   | 28     | 18     | 11     | 13     | 6  | 35                                                                                    |
| I0385 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                       |
| I0386 |        | 8                                                                                   |        |        | 13     |        |    |                                                                                       |
| I0387 |        | 9                                                                                   |        |        | 14     |        |    |                                                                                       |
| I0388 |        | 10                                                                                  | 32     | 20     | 15     | 20     | 6  | 50                                                                                    |
| I0389 |        | 11                                                                                  |        |        | 16     |        |    |                                                                                       |
| I0390 |        | 12                                                                                  |        |        | 18     |        |    |                                                                                       |
| I0391 |        | 13                                                                                  |        |        | 19     |        |    |                                                                                       |
| I0392 |        | 14                                                                                  |        |        | 20     |        |    |                                                                                       |
| I0393 |        | 15                                                                                  |        |        | 21     |        |    |                                                                                       |
| I0394 |        | 16                                                                                  |        |        | 23     |        |    |                                                                                       |
| I0395 |        | 17                                                                                  |        |        | 24     |        |    |                                                                                       |
| I0396 |        | 19                                                                                  |        |        | 26     |        |    |                                                                                       |
| I0397 |        | 20                                                                                  |        |        | 27     |        |    |                                                                                       |
| I0398 |        | 22                                                                                  | 35     | 30     | 25     | 22     |    | 80                                                                                    |



MM - 12 PT.



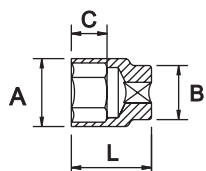
N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|
| I0399 | SS 304 | 6                                                                                   | 28     | 18     | 11     | 13     | 12 | 35                                                                                    |
| I0400 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                       |
| I0401 |        | 8                                                                                   |        |        | 13     |        |    |                                                                                       |
| I0402 |        | 9                                                                                   |        |        | 14     |        |    |                                                                                       |



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| I0403 | SS 304 | 10                                                                                | 32     | 20     | 15     | 13     | 12 | 50                                                                                  |
| I0404 |        | 11                                                                                |        |        | 16     |        |    |                                                                                     |
| I0405 |        | 12                                                                                |        |        | 18     |        |    |                                                                                     |
| I0406 |        | 13                                                                                |        |        | 19     |        |    |                                                                                     |
| I0407 |        | 14                                                                                |        | 21     | 20     | 20     |    |                                                                                     |
| I0408 |        | 15                                                                                |        | 22     | 21     |        |    |                                                                                     |
| I0409 |        | 16                                                                                |        | 23     |        |        |    |                                                                                     |
| I0410 |        | 17                                                                                |        | 24     | 24     |        |    |                                                                                     |
| I0411 |        | 19                                                                                |        | 26     |        |        |    |                                                                                     |
| I0412 |        | 20                                                                                |        | 27     |        |        |    |                                                                                     |
| I0413 |        | 22                                                                                | 35     | 30     | 25     | 22     |    | 80                                                                                  |

#### INCH - 6 PT.

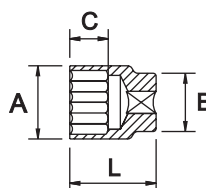


N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|------------------------------------------------------------------------------------|
| I0414 | SS 304 | 1/4                                                                               | 28     | 18     | 11     | 13     | 6  | 35                                                                                 |
| I0415 |        | 5/16                                                                              |        |        | 13     |        |    |                                                                                    |
| I0416 |        | 3/8                                                                               |        |        | 15     |        |    |                                                                                    |
| I0417 |        | 7/16                                                                              |        |        | 16     |        |    |                                                                                    |
| I0418 |        | 1/2                                                                               |        |        | 19     |        |    |                                                                                    |
| I0419 |        | 9/16                                                                              | 21     | 20     | 20     |        |    |                                                                                    |
| I0420 |        | 5/8                                                                               | 23     | 21     |        |        |    |                                                                                    |
| I0421 |        | 11/16                                                                             | 24     | 24     |        |        |    |                                                                                    |
| I0422 |        | 3/4                                                                               | 26     |        |        |        |    |                                                                                    |
| I0423 |        | 13/16                                                                             | 27     |        |        |        |    |                                                                                    |
| I0424 | 1      | 30                                                                                | 25     | 22     | 80     |        |    |                                                                                    |



#### INCH - 12 PT.



N!

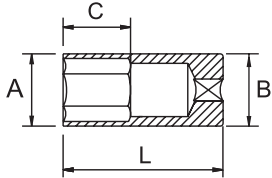
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|--------------------------------------------------------------------------------------|----|
| I0425 | SS 304 | 1/4                                                                                 | 28     | 18     | 11     | 13     | 12 | 35                                                                                   |    |
| I0426 |        | 5/16                                                                                |        |        | 13     |        |    |                                                                                      |    |
| I0427 |        | 3/8                                                                                 |        |        | 15     |        |    |                                                                                      |    |
| I0428 |        | 7/16                                                                                |        |        | 16     |        |    |                                                                                      |    |
| I0429 |        | 1/2                                                                                 | 19     | 20     | 50     |        |    |                                                                                      |    |
| I0430 |        | 9/16                                                                                | 21     |        |        | 20     |    |                                                                                      |    |
| I0431 |        | 5/8                                                                                 | 23     |        |        | 21     |    |                                                                                      |    |
| I0432 |        | 11/16                                                                               | 24     |        |        | 24     |    | 75                                                                                   |    |
| I0433 |        | 3/4                                                                                 | 26     |        |        |        |    |                                                                                      | 70 |
| I0434 |        | 13/16                                                                               | 27     |        |        |        |    |                                                                                      | 75 |
| I0435 | 1      | 30                                                                                  | 25     | 22     | 80     |        |    |                                                                                      |    |



■ 3/8"

■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

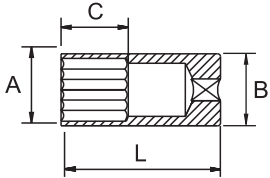
■ MM - 6 PT.



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g   |
|-------|--------|-------|--------|--------|--------|--------|----|-----|
| I0436 | SS 304 | 6     | 60     | 18     | 11     | 13     | 6  | 90  |
| I0437 |        | 7     |        |        | 12     |        |    |     |
| I0438 |        | 8     |        |        | 13     |        |    |     |
| I0439 |        | 9     |        | 20     | 14     | 20     | 6  | 95  |
| I0440 |        | 10    |        |        | 15     |        |    |     |
| I0441 |        | 11    |        |        | 16     |        |    |     |
| I0442 |        | 12    |        | 21     | 18     | 20     | 6  | 100 |
| I0443 |        | 13    |        |        | 19     |        |    |     |
| I0444 |        | 14    |        |        | 20     |        |    |     |
| I0445 |        | 15    |        | 22     | 21     | 20     | 6  | 105 |
| I0446 |        | 16    |        |        | 22     |        |    |     |
| I0447 |        | 17    |        |        | 23     |        |    |     |
| I0448 |        | 19    |        | 24     | 24     | 20     | 6  | 110 |
| I0449 |        | 20    |        |        | 26     |        |    |     |
| I0450 |        | 22    |        |        | 27     |        |    |     |
|       |        |       |        | 30     | 25     | 22     |    | 150 |



■ MM - 12 PT.

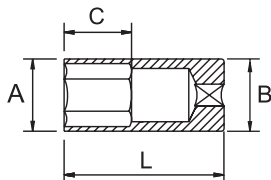


| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g   |
|-------|--------|-------|--------|--------|--------|--------|----|-----|
| I0451 | SS 304 | 6     | 60     | 18     | 11     | 13     | 6  | 90  |
| I0452 |        | 7     |        |        | 12     |        |    |     |
| I0453 |        | 8     |        |        | 13     |        |    |     |
| I0454 |        | 9     |        | 20     | 14     | 20     | 6  | 95  |
| I0455 |        | 10    |        |        | 15     |        |    |     |
| I0456 |        | 11    |        |        | 16     |        |    |     |
| I0457 |        | 12    |        | 21     | 18     | 20     | 6  | 100 |
| I0458 |        | 13    |        |        | 19     |        |    |     |
| I0459 |        | 14    |        |        | 20     |        |    |     |
| I0460 |        | 15    |        | 22     | 21     | 20     | 6  | 105 |
| I0461 |        | 16    |        |        | 22     |        |    |     |
| I0462 |        | 17    |        |        | 23     |        |    |     |
| I0463 |        | 19    |        | 24     | 24     | 20     | 6  | 110 |
| I0464 |        | 20    |        |        | 26     |        |    |     |
| I0465 |        | 22    |        |        | 27     |        |    |     |
|       |        |       |        | 30     | 25     | 22     |    | 150 |



■ 3/8"

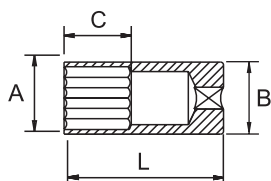
■ INCH - 6 PT.



| N!    |        |                                                                                   |        |        |        |        |    |                                                                                     |    |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|----|--|--|
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |  |  |
| I0466 | SS 304 | 1/4                                                                               | 60     | 18     | 11     | 13     | 6  | 90                                                                                  |    |  |  |
| I0467 |        | 5/16                                                                              |        |        | 13     |        |    |                                                                                     |    |  |  |
| I0468 |        | 3/8                                                                               |        |        | 15     |        |    |                                                                                     |    |  |  |
| I0469 |        | 7/16                                                                              |        | 20     | 16     | 20     | 6  | 100                                                                                 |    |  |  |
| I0470 |        | 1/2                                                                               |        |        | 19     |        |    |                                                                                     |    |  |  |
| I0471 |        | 9/16                                                                              |        |        | 21     |        |    |                                                                                     | 20 |  |  |
| I0472 |        | 5/8                                                                               |        | 23     | 21     | 20     | 6  | 120                                                                                 |    |  |  |
| I0473 |        | 11/16                                                                             |        | 24     | 24     |        |    |                                                                                     |    |  |  |
| I0474 |        | 3/4                                                                               |        | 26     |        |        |    |                                                                                     |    |  |  |
| I0475 |        | 13/16                                                                             |        | 27     |        |        |    |                                                                                     |    |  |  |
| I0476 |        | 1                                                                                 |        | 30     | 25     | 22     |    | 150                                                                                 |    |  |  |



■ INCH - 12 PT.





| COD.  | MAT.   | <div>  </div> | L (mm) | A (mm) | B (mm) | C (mm) | Pt | <div>  </div> |  |  |  |
|-------|--------|--------------------------------------------------------------------------------------------------|--------|--------|--------|--------|----|----------------------------------------------------------------------------------------------------|--|--|--|
| I0477 | SS 304 | 1/4                                                                                              | 60     | 18     | 11     | 13     | 12 | 90                                                                                                 |  |  |  |
| I0478 |        | 5/16                                                                                             |        |        | 13     |        |    |                                                                                                    |  |  |  |
| I0479 |        | 3/8                                                                                              |        |        | 15     |        |    |                                                                                                    |  |  |  |
| I0480 |        | 7/16                                                                                             |        | 20     | 16     | 20     | 12 | 100                                                                                                |  |  |  |
| I0481 |        | 1/2                                                                                              |        |        | 19     |        |    |                                                                                                    |  |  |  |
| I0482 |        | 9/16                                                                                             |        |        | 20     |        |    |                                                                                                    |  |  |  |
| I0483 |        | 5/8                                                                                              |        | 23     | 21     | 22     | 12 | 120                                                                                                |  |  |  |
| I0484 |        | 11/16                                                                                            |        | 24     | 24     |        |    |                                                                                                    |  |  |  |
| I0485 |        | 3/4                                                                                              |        | 26     |        |        |    |                                                                                                    |  |  |  |
| I0486 |        | 13/16                                                                                            |        | 27     |        |        |    |                                                                                                    |  |  |  |
| I0487 |        | 1                                                                                                |        | 30     | 25     | 22     |    | 150                                                                                                |  |  |  |



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

| COD.  | MAT.   | AF inch | L (mm) | g   |
|-------|--------|---------|--------|-----|
| I0488 | SS 304 | 3/8     | 200    | 290 |



**ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEIL / ADATTATORE / REDUTOR / АДАПТЕР**

| COD.  | MAT.   | AF inch     | g  |
|-------|--------|-------------|----|
| I0489 | SS 304 | 3/8" - 1/2" | 60 |



ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ

N!

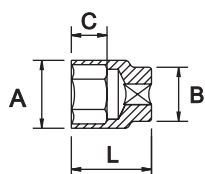
| COD.  | MAT.   | AF inch | L (inch) | 9   |
|-------|--------|---------|----------|-----|
| I0490 | SS 304 | 3/8     | 3        | 40  |
| I0491 |        |         | 8        | 160 |



1/2"

STANDARD

MM - 6 PT.

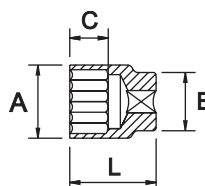


N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| I0492 | SS 304 | 6                                                                                 | 40     | 24     | 13     | 18     | 6  | 75                                                                                  |
| I0493 |        | 7                                                                                 |        |        | 14     |        |    |                                                                                     |
| I0494 |        | 8                                                                                 |        |        | 15     |        |    |                                                                                     |
| I0495 |        | 9                                                                                 |        |        | 16     |        |    |                                                                                     |
| I0496 |        | 10                                                                                |        |        | 17     |        |    |                                                                                     |
| I0497 |        | 11                                                                                |        |        | 18     |        |    |                                                                                     |
| I0498 |        | 12                                                                                |        |        | 19     |        |    |                                                                                     |
| I0499 |        | 13                                                                                |        |        | 20     |        |    |                                                                                     |
| I0500 |        | 14                                                                                |        |        | 21     |        |    |                                                                                     |
| I0501 |        | 15                                                                                |        |        | 23     |        |    |                                                                                     |
| I0502 |        | 16                                                                                |        | 25     | 24     |        |    | 95                                                                                  |
| I0503 |        | 17                                                                                |        |        |        |        |    |                                                                                     |
| I0504 |        | 18                                                                                |        | 26     | 25     |        |    |                                                                                     |
| I0505 |        | 19                                                                                | 28     |        |        |        |    |                                                                                     |
| I0506 |        | 20                                                                                | 29     |        |        |        |    |                                                                                     |
| I0507 |        | 21                                                                                | 30     | 26     |        |        |    |                                                                                     |
| I0508 |        | 22                                                                                | 31     |        |        |        |    |                                                                                     |
| I0509 |        | 23                                                                                | 33     |        |        |        |    |                                                                                     |
| I0510 |        | 24                                                                                | 43     | 34     | 28     | 22     |    |                                                                                     |
| I0511 |        | 25                                                                                |        | 36     |        |        |    |                                                                                     |
| I0512 |        | 26                                                                                |        | 37     |        |        |    |                                                                                     |
| I0513 |        | 27                                                                                | 38     |        |        |        |    |                                                                                     |
| I0514 |        | 28                                                                                | 39     | 30     |        |        |    |                                                                                     |
| I0515 |        | 29                                                                                | 41     |        |        |        |    |                                                                                     |
| I0516 |        | 30                                                                                | 42     |        |        |        |    |                                                                                     |
| I0517 |        | 32                                                                                | 43     | 34     |        |        |    |                                                                                     |
| I0907 |        | 34                                                                                | 50     | 48     | 36     | 25     |    |                                                                                     |
| I0518 |        | 36                                                                                |        | 50     |        |        |    |                                                                                     |



MM - 12 PT.



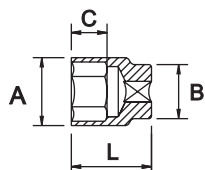
N!

| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | 9  |
|-------|--------|-------|--------|--------|--------|--------|----|----|
| I0519 | SS 304 | 6     | 40     | 24     | 13     | 18     | 12 | 75 |
| I0520 |        | 7     |        |        | 14     |        |    |    |
| I0521 |        | 8     |        |        | 15     |        |    |    |
| I0522 |        | 9     |        |        | 16     |        |    |    |



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|-----|-------------------------------------------------------------------------------------|
| I0523 | SS 304 | 10                                                                                | 40     | 24     | 17     | 18     | 12  | 80                                                                                  |
| I0524 |        | 11                                                                                |        |        | 18     |        |     |                                                                                     |
| I0525 |        | 12                                                                                |        |        | 19     |        |     |                                                                                     |
| I0526 |        | 13                                                                                |        |        | 20     |        |     |                                                                                     |
| I0527 |        | 14                                                                                |        |        | 21     |        |     |                                                                                     |
| I0528 |        | 15                                                                                |        |        | 23     |        |     |                                                                                     |
| I0529 |        | 16                                                                                | 42     | 25     | 24     | 22     | 95  |                                                                                     |
| I0530 |        | 17                                                                                |        |        | 26     |        |     |                                                                                     |
| I0531 |        | 18                                                                                |        |        | 25     |        |     |                                                                                     |
| I0532 |        | 19                                                                                | 43     | 30     | 26     | 12     | 110 |                                                                                     |
| I0533 |        | 20                                                                                |        |        |        |        | 120 |                                                                                     |
| I0534 |        | 21                                                                                |        |        |        |        | 125 |                                                                                     |
| I0535 |        | 22                                                                                | 46     | 34     | 28     | 22     | 130 |                                                                                     |
| I0536 |        | 23                                                                                |        |        |        |        | 150 |                                                                                     |
| I0537 |        | 24                                                                                |        |        |        |        | 165 |                                                                                     |
| I0538 |        | 25                                                                                |        |        |        |        | 180 |                                                                                     |
| I0539 |        | 26                                                                                |        |        |        |        | 200 |                                                                                     |
| I0540 |        | 27                                                                                |        |        |        |        | 220 |                                                                                     |
| I0541 |        | 28                                                                                | 50     | 48     | 36     | 25     | 230 |                                                                                     |
| I0542 |        | 29                                                                                |        |        |        |        | 240 |                                                                                     |
| I0543 |        | 30                                                                                |        |        |        |        | 250 |                                                                                     |
| I0544 |        | 32                                                                                | 50     | 48     | 36     | 25     | 300 |                                                                                     |
| I0908 |        | 34                                                                                |        |        |        |        | 400 |                                                                                     |
| I0545 |        | 36                                                                                |        |        |        |        | 410 |                                                                                     |

#### INCH - 6 PT.



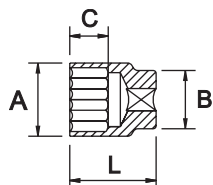


| COD.  | MAT.   | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g   |     |
|-------|--------|--------|--------|--------|--------|----|-----|-----|
| I0546 | SS 304 | 1/4    | 40     | 24     | 13     | 18 | 75  |     |
| I0547 |        | 5/16   |        |        | 15     |    |     |     |
| I0548 |        | 3/8    |        |        | 17     |    |     |     |
| I0549 |        | 7/16   |        |        | 18     |    |     |     |
| I0550 |        | 1/2    |        |        | 20     |    |     |     |
| I0551 |        | 9/16   | 42     | 25     | 21     | 22 | 80  |     |
| I0552 |        | 19/32  |        |        | 23     |    |     |     |
| I0553 |        | 5/8    |        |        | 24     |    |     |     |
| I0554 |        | 11/16  |        |        | 25     |    |     |     |
| I0555 |        | 3/4    | 43     | 28     | 26     | 25 | 95  |     |
| I0556 |        | 25/32  |        |        | 29     |    |     |     |
| I0557 |        | 13/16  |        |        | 31     |    |     |     |
| I0558 |        | 7/8    |        |        | 34     |    |     |     |
| I0559 |        | 15/16  |        |        | 36     |    |     |     |
| I0560 |        | 1      | 46     | 38     | 30     | 25 | 110 |     |
| I0561 |        | 1.1/16 |        |        | 41     |    |     |     |
| I0562 |        | 1.1/8  |        |        | 42     |    |     |     |
| I0563 |        | 1.3/16 |        |        | 43     |    |     |     |
| I0564 |        | 1.1/4  | 50     | 50     | 36     | 25 |     | 120 |
| I0565 |        | 1.7/16 |        |        |        |    |     |     |



■ 1/2"

■ INCH - 12 PT.

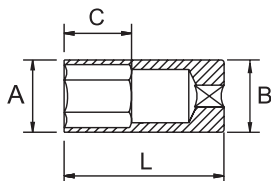


| COD.  | MAT.   | AF <sup>inch</sup> | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g   |
|-------|--------|--------------------|--------|--------|--------|--------|-----|-----|
| I0566 | SS 304 | 1/4                | 40     | 24     | 13     | 18     | 80  | 75  |
| I0567 |        | 5/16               |        |        | 15     |        |     |     |
| I0568 |        | 3/8                |        |        | 17     |        |     |     |
| I0569 |        | 7/16               |        |        | 18     |        |     |     |
| I0570 |        | 1/2                |        |        | 20     |        |     |     |
| I0571 |        | 9/16               | 42     | 25     | 21     | 22     | 95  | 110 |
| I0572 |        | 19/32              |        |        | 23     |        |     |     |
| I0573 |        | 5/8                |        |        | 24     |        |     |     |
| I0574 |        | 11/16              |        |        | 25     |        |     |     |
| I0575 |        | 3/4                |        |        | 26     |        |     |     |
| I0576 |        | 25/32              | 43     | 31     | 26     | 25     | 120 | 130 |
| I0577 |        | 13/16              |        |        | 27     |        |     |     |
| I0578 |        | 7/8                |        |        | 28     |        |     |     |
| I0579 |        | 15/16              |        |        | 29     |        |     |     |
| I0580 |        | 1                  |        |        | 30     |        |     |     |
| I0581 |        | 1.1/16             | 46     | 34     | 31     | 22     | 165 | 180 |
| I0582 |        | 1.1/8              |        |        | 32     |        |     |     |
| I0583 |        | 1.3/16             |        |        | 33     |        |     |     |
| I0584 |        | 1.1/4              |        |        | 34     |        |     |     |
| I0585 |        | 1.7/16             | 50     | 50     | 36     | 25     | 300 | 410 |



■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

■ MM - 6 PT.

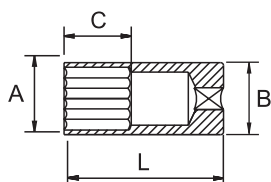


| COD.  | MAT.   | AF <sup>mm</sup> | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g   |
|-------|--------|------------------|--------|--------|--------|--------|-----|-----|
| I0586 | SS 304 | 6                | 82     | 24     | 13     | 18     | 200 | 195 |
| I0587 |        | 7                |        |        | 14     |        |     |     |
| I0588 |        | 8                |        |        | 15     |        |     |     |
| I0589 |        | 9                |        |        | 16     |        |     |     |
| I0590 |        | 10               |        |        | 17     |        |     |     |
| I0591 |        | 11               | 82     | 25     | 18     | 22     | 240 | 230 |
| I0592 |        | 12               |        |        | 19     |        |     |     |
| I0593 |        | 13               |        |        | 20     |        |     |     |
| I0594 |        | 14               |        |        | 21     |        |     |     |
| I0595 |        | 15               |        |        | 23     |        |     |     |
| I0596 |        | 16               | 82     | 26     | 24     | 25     | 250 | 240 |
| I0597 |        | 17               |        |        | 25     |        |     |     |
| I0598 |        | 18               |        |        | 26     |        |     |     |
| I0599 |        | 19               |        |        | 27     |        |     |     |
| I0600 |        | 20               |        |        | 28     |        |     |     |
| I0601 |        | 21               | 82     | 29     | 26     | 22     | 250 | 240 |
| I0602 |        | 22               |        |        | 27     |        |     |     |



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g   |
|-------|--------|-------|--------|--------|--------|--------|----|-----|
| I0603 | SS 304 | 23    | 82     | 33     | 26     | 22     | 6  | 280 |
| I0604 |        | 24    |        | 34     | 28     |        |    | 310 |
| I0605 |        | 25    |        | 36     |        |        |    | 380 |
| I0606 |        | 26    |        | 37     |        |        |    |     |
| I0607 |        | 27    |        | 38     |        |        |    | 420 |
| I0608 |        | 28    |        | 39     | 30     |        |    | 430 |
| I0609 |        | 29    |        | 41     |        |        |    | 450 |
| I0610 |        | 30    |        | 42     |        |        |    | 490 |
| I0611 |        | 32    |        | 43     | 34     |        |    | 550 |
| I0909 |        | 34    |        | 48     |        | 25     |    |     |
| I0612 |        | 36    |        | 50     |        |        |    | 750 |

#### MM - 12 PT.

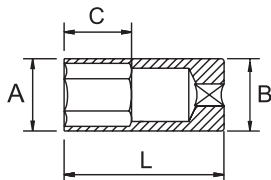


| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |  |  |
|-------|--------|------------------------------------------------------------------------------------|--------|--------|--------|--------|----|--------------------------------------------------------------------------------------|--|--|--|
| I0613 | SS 304 | 6                                                                                  | 82     | 24     | 13     | 18     | 12 | 195                                                                                  |  |  |  |
| I0614 |        | 7                                                                                  |        |        | 14     |        |    |                                                                                      |  |  |  |
| I0615 |        | 8                                                                                  |        |        | 15     |        |    |                                                                                      |  |  |  |
| I0616 |        | 9                                                                                  |        |        | 16     |        |    |                                                                                      |  |  |  |
| I0617 |        | 10                                                                                 |        |        | 17     |        |    |                                                                                      |  |  |  |
| I0618 |        | 11                                                                                 |        |        | 18     |        |    |                                                                                      |  |  |  |
| I0619 |        | 12                                                                                 |        |        | 19     |        |    | 200                                                                                  |  |  |  |
| I0620 |        | 13                                                                                 |        |        | 20     |        |    |                                                                                      |  |  |  |
| I0621 |        | 14                                                                                 |        |        | 21     |        |    |                                                                                      |  |  |  |
| I0622 |        | 15                                                                                 |        |        | 23     |        |    |                                                                                      |  |  |  |
| I0623 |        | 16                                                                                 |        | 25     | 24     | 22     |    | 230                                                                                  |  |  |  |
| I0624 |        | 17                                                                                 |        | 26     | 25     |        |    |                                                                                      |  |  |  |
| I0625 |        | 18                                                                                 |        |        |        |        |    |                                                                                      |  |  |  |
| I0626 |        | 19                                                                                 |        |        |        |        |    |                                                                                      |  |  |  |
| I0627 |        | 20                                                                                 |        |        | 240    |        |    |                                                                                      |  |  |  |
| I0628 |        | 21                                                                                 |        |        |        |        |    |                                                                                      |  |  |  |
| I0629 |        | 22                                                                                 |        |        |        |        |    | 26                                                                                   |  |  |  |
| I0630 |        | 23                                                                                 |        |        |        |        |    | 33                                                                                   |  |  |  |
| I0631 |        | 24                                                                                 |        |        |        |        |    | 34                                                                                   |  |  |  |
| I0632 |        | 25                                                                                 |        |        |        |        |    | 36                                                                                   |  |  |  |
| I0633 |        | 26                                                                                 |        |        |        |        |    | 37                                                                                   |  |  |  |
| I0634 |        | 27                                                                                 |        |        | 38     |        |    | 420                                                                                  |  |  |  |
| I0635 |        | 28                                                                                 |        |        | 39     | 30     |    |                                                                                      |  |  |  |
| I0636 |        | 29                                                                                 |        |        | 41     |        |    |                                                                                      |  |  |  |
| I0637 |        | 30                                                                                 |        |        | 42     |        |    |                                                                                      |  |  |  |
| I0638 |        | 32                                                                                 |        |        | 43     | 34     |    |                                                                                      |  |  |  |
| I0910 |        | 34                                                                                 |        |        | 48     |        |    |                                                                                      |  |  |  |
| I0639 |        | 36                                                                                 |        |        | 50     | 36     | 25 | 750                                                                                  |  |  |  |



■ 1/2"

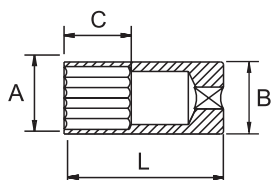
■ INCH - 6 PT.



| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g   |
|-------|--------|---------|--------|--------|--------|--------|----|-----|
| I0640 | SS 304 | 1/4     | 80     | 24     | 13     | 18     | 6  | 195 |
| I0641 |        | 5/16    |        |        | 15     |        |    |     |
| I0642 |        | 3/8     |        |        | 17     |        |    |     |
| I0643 |        | 7/16    |        |        | 18     |        |    | 200 |
| I0644 |        | 1/2     |        |        | 20     |        |    |     |
| I0645 |        | 9/16    |        | 25     | 21     | 22     | 6  |     |
| I0646 |        | 19/32   |        |        | 23     |        |    |     |
| I0647 |        | 5/8     |        |        | 24     |        |    | 230 |
| I0648 |        | 11/16   |        |        | 25     |        |    |     |
| I0649 |        | 3/4     |        | 28     |        |        |    |     |
| I0650 |        | 25/32   |        | 29     | 26     |        |    | 240 |
| I0651 |        | 13/16   |        | 31     |        |        |    | 250 |
| I0652 |        | 7/8     |        | 34     | 28     |        |    | 310 |
| I0653 |        | 15/16   |        | 36     |        |        |    | 380 |
| I0654 |        | 1       |        | 38     |        |        |    | 420 |
| I0655 |        | 1.1/16  |        | 41     | 30     |        |    | 450 |
| I0656 |        | 1.1/8   |        | 42     |        |        |    | 490 |
| I0657 |        | 1.3/16  |        | 43     | 34     |        |    | 550 |
| I0658 |        | 1.1/4   |        | 50     | 36     | 25     |    | 750 |
| I0659 |        | 1.7/16  |        |        |        |        |    |     |



■ INCH - 12 PT.



|  | COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |     |
|--|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|-----|
|  | I0660 | SS 304 | 1/4                                                                                 | 80     | 24     | 13     | 18     | 12 | 195                                                                                   |     |
|  | I0661 |        | 5/16                                                                                |        |        | 15     |        |    |                                                                                       |     |
|  | I0662 |        | 3/8                                                                                 |        |        | 17     |        |    |                                                                                       |     |
|  | I0663 |        | 7/16                                                                                |        |        | 18     |        |    | 200                                                                                   |     |
|  | I0664 |        | 1/2                                                                                 |        |        | 20     |        |    |                                                                                       |     |
|  | I0665 |        | 9/16                                                                                |        |        | 21     |        |    |                                                                                       |     |
|  | I0666 |        | 19/32                                                                               |        |        | 23     |        |    |                                                                                       |     |
|  | I0667 |        | 5/8                                                                                 |        | 25     | 24     |        |    | 230                                                                                   |     |
|  | I0668 |        | 11/16                                                                               |        |        | 25     |        |    |                                                                                       |     |
|  | I0669 |        | 3/4                                                                                 |        | 28     |        |        |    |                                                                                       |     |
|  | I0670 |        | 25/32                                                                               |        |        | 29     | 26     |    |                                                                                       | 240 |
|  | I0671 |        | 13/16                                                                               |        |        | 31     |        |    |                                                                                       | 250 |
|  | I0672 |        | 7/8                                                                                 |        |        | 34     | 28     |    | 22                                                                                    | 310 |
|  | I0673 |        | 15/16                                                                               |        |        | 36     |        |    |                                                                                       | 380 |
|  | I0674 |        | 1                                                                                   |        |        | 38     |        |    |                                                                                       | 420 |
|  | I0675 |        | 1.1/16                                                                              |        |        | 41     | 30     |    |                                                                                       | 450 |
|  | I0676 |        | 1.1/8                                                                               |        |        | 42     |        |    |                                                                                       | 490 |
|  | I0677 |        | 1.3/16                                                                              |        |        | 43     | 34     |    |                                                                                       | 550 |
|  | I0678 |        | 1.1/4                                                                               |        |        |        |        |    |                                                                                       |     |



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| I0679 | SS 304 | 1.7/16                                                                            | 80     | 50     | 36     | 25     | 12 | 750                                                                                 |

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

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| I0680 | SS 304 | 1/2                                                                               | 250    | 700                                                                                |



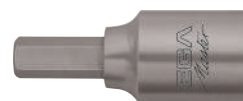
**ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ**

| COD.  | MAT.   |  | L (inch) |  |
|-------|--------|-----------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------|
| I0681 | SS 304 | 1/2                                                                               | 4        | 210                                                                                |
| I0682 |        |                                                                                   | 5        | 260                                                                                |
| I0683 |        |                                                                                   | 8        | 380                                                                                |
| I0684 |        |                                                                                   | 10       | 500                                                                                |



**PUNTAS ATORNILLADORAS CON VASO / SOCKET BITS / EMBOUTS DE VISSAGE AVEC DOUILLE / STECKSCHLÜSSELEINSATZ / INSERTI A BUSSOLA / PONTAS APARAFUSADORAS COM CAIXA / ГОЛОВКИ-БИТЫ**

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| I0936 | SS 304 | 4                                                                                 | 60     | 60                                                                                 |
| I0937 |        | 5                                                                                 |        | 80                                                                                 |
| I0938 |        | 5,5                                                                               |        | 90                                                                                 |
| I0685 |        | 6                                                                                 |        | 95                                                                                 |
| I0939 |        | 7                                                                                 |        | 100                                                                                |
| I0686 |        | 8                                                                                 |        | 105                                                                                |
| I0940 |        | 9                                                                                 |        | 110                                                                                |
| I0687 |        | 10                                                                                |        | 120                                                                                |
| I0688 |        | 12                                                                                |        | 150                                                                                |
| I0941 |        | 14                                                                                |        | 210                                                                                |
| I0689 |        | 16                                                                                |        |                                                                                    |
| I0690 |        | 20                                                                                |        |                                                                                    |



**ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELN / SNODO CARDANICO / CARDAN UNIVERSAL / ШАРНИР**

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| I0691 | SS 304 | 1/2"                                                                                | 80     | 190                                                                                  |

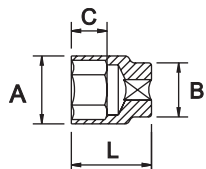


**MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / QUERGRIF / ASTA CON QUADRO SCORREVOLO / CABO "T" CORREDICO / ПОДВИЖНАЯ "Т" РУЧКА**

| COD.  | MAT.   |  | L (inch) |  |
|-------|--------|-------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|
| I0692 | SS 304 | 1/2                                                                                 | 10       | 340                                                                                  |
| I0911 |        | 3/4                                                                                 | 12       | 950                                                                                  |



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

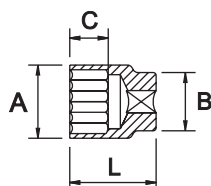


N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt  |  |     |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|-----|-------------------------------------------------------------------------------------|-----|
| I0693 | SS 304 | 17                                                                                | 50     | 38     | 28     | 22     | 6   | 250                                                                                 |     |
| I0694 |        | 19                                                                                |        |        | 30     |        |     |                                                                                     |     |
| I0695 |        | 21                                                                                |        |        | 32     |        |     |                                                                                     |     |
| I0696 |        | 22                                                                                |        |        | 33     |        |     | 270                                                                                 |     |
| I0697 |        | 23                                                                                | 34     | 25     | 6      |        |     |                                                                                     |     |
| I0698 |        | 24                                                                                | 35     |        |        |        |     |                                                                                     |     |
| I0699 |        | 26                                                                                | 38     |        |        | 310    |     |                                                                                     |     |
| I0700 |        | 27                                                                                | 39     |        |        |        |     |                                                                                     |     |
| I0701 |        | 28                                                                                | 41     | 40     | 28     | 6      | 340 |                                                                                     |     |
| I0702 |        | 29                                                                                | 42     |        |        |        |     |                                                                                     |     |
| I0703 |        | 30                                                                                | 43     | 43     |        |        |     |                                                                                     |     |
| I0704 |        | 32                                                                                | 60     | 45     | 30     |        | 470 |                                                                                     |     |
| I0705 |        | 36                                                                                |        | 50     |        |        |     | 45                                                                                  | 500 |
| I0706 |        | 38                                                                                |        | 46     |        |        |     |                                                                                     |     |
| I0707 |        | 41                                                                                | 65     | 55     | 48     |        |     | 32                                                                                  | 650 |
| I0708 |        | 46                                                                                |        | 65     |        |        |     |                                                                                     |     |
| I0709 |        | 50                                                                                |        | 70     | 50     | 35     | 900 |                                                                                     |     |
| I0710 |        | 55                                                                                | 75     | 1250   |        |        |     |                                                                                     |     |
| I0711 |        | 60                                                                                | 75     |        |        |        | 80  | 1450                                                                                |     |



- MM - 12 PT.



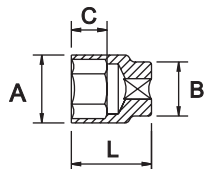
N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |      |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|------|
| I0712 | SS 304 | 17                                                                                  | 50     | 38     | 28     | 22     | 12 | 250                                                                                   |      |
| I0713 |        | 19                                                                                  |        |        | 30     |        |    |                                                                                       |      |
| I0714 |        | 21                                                                                  |        |        | 32     |        |    |                                                                                       |      |
| I0715 |        | 22                                                                                  |        |        | 33     |        |    |                                                                                       |      |
| I0716 |        | 23                                                                                  | 55     | 40     | 34     | 25     |    | 270                                                                                   |      |
| I0717 |        | 24                                                                                  |        |        | 35     |        |    |                                                                                       |      |
| I0718 |        | 26                                                                                  |        |        | 38     |        |    |                                                                                       |      |
| I0719 |        | 27                                                                                  |        |        | 39     |        |    |                                                                                       |      |
| I0720 |        | 28                                                                                  | 41     | 40     | 28     | 340    |    |                                                                                       |      |
| I0721 |        | 29                                                                                  | 42     |        |        |        |    |                                                                                       |      |
| I0722 |        | 30                                                                                  | 43     | 43     |        |        |    |                                                                                       |      |
| I0723 |        | 32                                                                                  | 45     | 30     |        |        |    | 470                                                                                   |      |
| I0724 |        | 36                                                                                  | 50     |        | 45     |        |    |                                                                                       |      |
| I0725 |        | 38                                                                                  | 55     |        | 46     |        |    |                                                                                       |      |
| I0726 |        | 41                                                                                  | 65     |        | 48     |        |    |                                                                                       |      |
| I0727 |        | 46                                                                                  | 70     | 65     | 32     | 750    |    |                                                                                       |      |
| I0728 |        | 50                                                                                  | 75     | 70     |        |        |    |                                                                                       |      |
| I0729 |        | 55                                                                                  | 80     | 75     |        |        |    | 35                                                                                    | 1250 |
| I0730 |        | 60                                                                                  | 85     | 80     |        |        |    |                                                                                       |      |



■ 3/4"

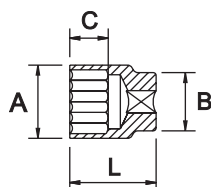
■ INCH - 6 PT.



| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g    |
|-------|--------|---------|--------|--------|--------|--------|----|------|
| I0731 | SS 304 | 3/4     | 50     |        | 31     |        |    |      |
| I0732 |        | 13/16   |        | 38     | 32     |        |    | 270  |
| I0733 |        | 7/8     |        |        | 33     | 25     |    |      |
| I0734 |        | 15/16   |        |        | 35     |        |    |      |
| I0735 |        | 1       | 55     | 40     | 37     |        |    | 310  |
| I0736 |        | 1.1/16  |        |        | 39     |        |    |      |
| I0737 |        | 1.1/8   |        | 42     | 40     | 28     |    | 340  |
| I0738 |        | 1.3/16  |        | 43     | 43     |        |    | 350  |
| I0739 |        | 1.1/4   | 60     | 45     | 45     | 30     |    | 470  |
| I0740 |        | 1.7/16  |        |        | 46     |        | 6  | 550  |
| I0741 |        | 1.1/2   |        | 55     |        |        |    |      |
| I0742 |        | 1.9/16  |        |        | 48     |        |    | 650  |
| I0743 |        | 1.5/8   |        |        |        | 32     |    |      |
| I0744 |        | 1.3/4   | 65     |        |        |        |    | 750  |
| I0745 |        | 1.13/16 |        | 65     |        |        |    |      |
| I0746 |        | 1.7/8   |        |        | 50     |        |    |      |
| I0747 |        | 2       | 70     | 70     |        |        |    | 900  |
| I0748 |        | 2.3/16  | 75     | 75     |        | 35     |    | 1250 |
| I0749 |        | 2.3/8   |        | 80     |        |        |    | 1400 |



■ INCH - 12 PT.



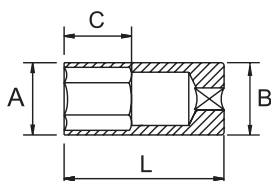
| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g    |
|-------|--------|---------|--------|--------|--------|--------|----|------|
| I0750 | SS 304 | 3/4     | 50     |        | 31     |        |    |      |
| I0751 |        | 13/16   |        | 38     | 32     |        |    | 270  |
| I0752 |        | 7/8     |        |        | 33     | 25     |    |      |
| I0753 |        | 15/16   |        |        | 35     |        |    |      |
| I0754 |        | 1       | 55     | 40     | 37     |        |    | 310  |
| I0755 |        | 1.1/16  |        |        | 39     |        |    |      |
| I0756 |        | 1.1/8   |        | 42     | 40     | 28     |    | 340  |
| I0757 |        | 1.3/16  |        | 43     | 43     |        |    | 350  |
| I0758 |        | 1.1/4   | 60     | 45     | 45     | 30     |    | 470  |
| I0759 |        | 1.7/16  |        |        | 46     |        | 12 | 550  |
| I0760 |        | 1.1/2   |        | 55     |        |        |    |      |
| I0761 |        | 1.9/16  |        |        | 48     |        |    | 650  |
| I0762 |        | 1.5/8   |        |        |        | 32     |    |      |
| I0763 |        | 1.3/4   | 65     |        |        |        |    | 750  |
| I0764 |        | 1.13/16 |        | 65     |        |        |    |      |
| I0765 |        | 1.7/8   |        |        | 50     |        |    |      |
| I0766 |        | 2       | 70     | 70     |        |        |    | 900  |
| I0767 |        | 2.3/16  | 75     | 75     |        | 35     |    | 1250 |
| I0768 |        | 2.3/8   |        | 80     |        |        |    | 1400 |



■ 3/4"

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

■ **MM - 6 PT.**

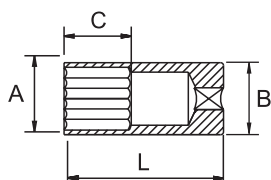




| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g                                                                                   |
|-------|--------|-------|--------|--------|--------|--------|-----|-------------------------------------------------------------------------------------|
| I0769 | SS 304 | 17    | 90     | 38     | 28     | 22     | 500 |  |
| I0770 |        | 19    |        |        | 30     |        |     |                                                                                     |
| I0771 |        | 21    |        |        | 32     |        |     |                                                                                     |
| I0772 |        | 22    |        | 40     | 33     |        |     |                                                                                     |
| I0773 |        | 23    |        |        | 34     | 25     |     |                                                                                     |
| I0774 |        | 24    |        |        | 35     |        |     |                                                                                     |
| I0775 |        | 26    |        |        | 38     |        |     |                                                                                     |
| I0776 |        | 27    |        |        | 39     |        |     |                                                                                     |
| I0777 |        | 28    |        | 41     | 40     | 28     |     |                                                                                     |
| I0778 |        | 29    |        | 42     |        |        |     |                                                                                     |
| I0779 |        | 30    |        | 43     | 43     |        |     |                                                                                     |
| I0780 |        | 32    |        | 45     |        |        |     |                                                                                     |
| I0781 |        | 36    |        | 50     | 45     | 30     |     |                                                                                     |
| I0782 |        | 38    |        | 53     | 46     |        |     |                                                                                     |
| I0783 |        | 41    |        | 57     | 48     |        |     |                                                                                     |
| I0784 |        | 46    |        | 65     |        | 32     |     |                                                                                     |
| I0785 |        | 50    | 100    | 70     |        |        |     |                                                                                     |
| I0786 |        | 55    |        | 75     | 50     | 35     |     |                                                                                     |
| I0787 |        | 60    |        | 80     |        |        |     |                                                                                     |



■ **MM - 12 PT.**





| COD.  | MAT.   | <div>  </div> | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | <div>  </div> |
|-------|--------|--------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-----|----------------------------------------------------------------------------------------------------|
| I0788 | SS 304 | 17                                                                                               | 90     | 38     | 28     | 22     | 500 |               |
| I0789 |        | 19                                                                                               |        |        | 30     |        |     |                                                                                                    |
| I0790 |        | 21                                                                                               |        |        | 32     |        |     |                                                                                                    |
| I0791 |        | 22                                                                                               |        | 40     | 33     |        |     |                                                                                                    |
| I0792 |        | 23                                                                                               |        |        | 34     | 25     |     |                                                                                                    |
| I0793 |        | 24                                                                                               |        |        | 35     |        |     |                                                                                                    |
| I0794 |        | 26                                                                                               |        |        | 38     |        |     |                                                                                                    |
| I0795 |        | 27                                                                                               |        |        | 39     |        |     |                                                                                                    |
| I0796 |        | 28                                                                                               |        | 41     | 40     | 28     |     |                                                                                                    |
| I0797 |        | 29                                                                                               |        | 42     |        |        |     |                                                                                                    |
| I0798 |        | 30                                                                                               |        | 43     | 43     |        |     |                                                                                                    |
| I0799 |        | 32                                                                                               |        | 45     |        |        |     |                                                                                                    |
| I0800 |        | 36                                                                                               |        | 50     | 45     | 30     |     |                                                                                                    |
| I0801 |        | 38                                                                                               |        | 55     | 46     |        |     |                                                                                                    |
| I0802 |        | 41                                                                                               |        |        | 48     |        |     |                                                                                                    |
| I0803 |        | 46                                                                                               |        | 65     |        | 32     |     |                                                                                                    |
| I0804 |        | 50                                                                                               | 100    | 70     |        |        |     |                                                                                                    |
| I0805 |        | 55                                                                                               |        | 75     | 50     | 35     |     |                                                                                                    |
| I0806 |        | 60                                                                                               |        | 80     |        |        |     |                                                                                                    |



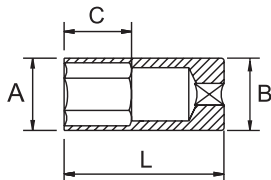
41

**HERRAMIENTA INOX**  
**INOX (STAINLESS STEEL) TOOLS**  
**OUTILLAGE INOX**  
**INOX WERKZEUGE**  
**UTENSILI INOX**  
**FERRAMENTA INOX**  
**ИНСТРУМЕНТ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ**



■ 3/4"

■ INCH - 6 PT.

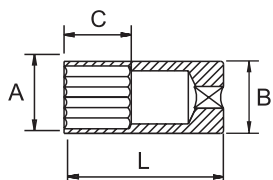


N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |  |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|----|--|--|--|
| I0807 | SS 304 | 3/4                                                                               | 90     | 38     | 31     | 25     | 6  | 550                                                                                 |    |  |  |  |
| I0808 |        | 13/16                                                                             |        |        | 32     |        |    |                                                                                     |    |  |  |  |
| I0809 |        | 7/8                                                                               |        |        | 33     |        |    |                                                                                     |    |  |  |  |
| I0810 |        | 15/16                                                                             |        |        | 35     |        |    |                                                                                     |    |  |  |  |
| I0811 |        | 1                                                                                 |        | 40     | 37     | 28     |    |                                                                                     |    |  |  |  |
| I0812 |        | 1.1/16                                                                            |        |        | 39     |        |    |                                                                                     |    |  |  |  |
| I0813 |        | 1.1/8                                                                             |        | 42     | 40     | 30     |    | 600                                                                                 |    |  |  |  |
| I0814 |        | 1.3/16                                                                            |        | 43     | 43     |        |    | 650                                                                                 |    |  |  |  |
| I0815 |        | 1.1/4                                                                             |        | 45     | 45     | 32     |    | 700                                                                                 |    |  |  |  |
| I0816 |        | 1.7/16                                                                            |        | 55     | 46     |        |    | 35                                                                                  |    |  |  |  |
| I0817 |        | 1.1/2                                                                             |        |        | 48     |        |    |                                                                                     |    |  |  |  |
| I0818 |        | 1.9/16                                                                            |        |        | 50     |        |    |                                                                                     |    |  |  |  |
| I0819 |        | 1.5/8                                                                             |        |        | 35     |        |    | 1300                                                                                |    |  |  |  |
| I0820 |        | 1.3/4                                                                             | 100    | 65     |        |        |    |                                                                                     | 50 |  |  |  |
| I0821 |        | 1.13/16                                                                           |        |        |        |        |    |                                                                                     |    |  |  |  |
| I0822 |        | 1.7/8                                                                             |        | 70     |        |        |    |                                                                                     |    |  |  |  |
| I0823 |        | 2                                                                                 |        | 75     |        |        |    |                                                                                     |    |  |  |  |
| I0824 |        | 2.3/16                                                                            |        | 80     |        |        |    |                                                                                     |    |  |  |  |
| I0825 |        | 2.3/8                                                                             |        | 2100   |        |        |    |                                                                                     |    |  |  |  |



■ INCH - 12 PT.



N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|--|--|
| I0826 | SS 304 | 3/4                                                                                 | 90     | 38     | 31     | 25     | 12 | 550                                                                                   |  |  |
| I0827 |        | 13/16                                                                               |        |        | 32     |        |    |                                                                                       |  |  |
| I0828 |        | 7/8                                                                                 |        |        | 33     |        |    |                                                                                       |  |  |
| I0829 |        | 15/16                                                                               |        |        | 35     |        |    |                                                                                       |  |  |
| I0830 |        | 1                                                                                   |        | 40     | 37     | 28     |    |                                                                                       |  |  |
| I0831 |        | 1.1/16                                                                              |        |        | 39     |        |    |                                                                                       |  |  |
| I0832 |        | 1.1/8                                                                               |        | 42     | 40     | 30     |    | 600                                                                                   |  |  |
| I0833 |        | 1.3/16                                                                              |        | 43     | 43     |        |    | 650                                                                                   |  |  |
| I0834 |        | 1.1/4                                                                               |        | 45     | 45     | 32     |    | 700                                                                                   |  |  |
| I0835 |        | 1.7/16                                                                              |        | 55     | 46     |        |    | 35                                                                                    |  |  |
| I0836 |        | 1.1/2                                                                               |        |        | 48     | 950    |    |                                                                                       |  |  |
| I0837 |        | 1.9/16                                                                              |        |        |        |        |    |                                                                                       |  |  |
| I0838 |        | 1.5/8                                                                               | 100    | 65     | 50     |        |    | 1300                                                                                  |  |  |
| I0839 |        | 1.3/4                                                                               |        |        |        |        |    |                                                                                       |  |  |
| I0840 |        | 1.13/16                                                                             |        | 70     |        |        |    |                                                                                       |  |  |
| I0841 |        | 1.7/8                                                                               |        | 75     |        |        |    |                                                                                       |  |  |
| I0842 |        | 2                                                                                   |        | 80     |        |        |    |                                                                                       |  |  |
| I0843 |        | 2.3/16                                                                              |        | 1450   |        |        |    |                                                                                       |  |  |
| I0844 |        | 2.3/8                                                                               |        | 1800   |        |        |    |                                                                                       |  |  |



■ **ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ**

| COD.  | MAT.   | AF<br>inch<br>↑<br>↓<br>inch | L (inch) | g   |
|-------|--------|------------------------------|----------|-----|
| I0845 | SS 304 | 3/4                          | 4        | 330 |
| I0846 |        |                              | 8        | 700 |
| I0847 |        |                              | 10       | 900 |



■ **LLAVES ESPECIALES / SPECIAL WRENCHES / CLÉS SPÉCIALES / SPEZIELL ZANGEN / CHIAVI SPECIALI / CHAVES ESPECIAIS / КЛЮЧИ СПЕЦИАЛЬНЫЕ**

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

| COD.  | MAT.   | CAP. (mm) | L (mm) | g   |
|-------|--------|-----------|--------|-----|
| I0971 | SS 304 | 19-50     | 160    | 115 |
| I0977 |        | 35-60     | 190    | 150 |
| I0912 |        | 50-65     |        |     |
| I0972 |        | 32-75     | 210    | 230 |
| I0848 |        | 50-120    | 290    | 450 |
| I0913 |        | 90-155    | 330    | 650 |



■ **LLAVE DE GANCHO CON PIN ARTICULADA / ADJUSTABLE HOOK SPANNER WITH PIN / CLÉ À ERGOT ARTICULÉE AVEC CROCHET / VERSTELLBARE HAKENSCHLÜSSEL MIT PIN / CHIAVE A SETTORE ARTICOLATA CON PIN / CHAVES DE UNHA ARTICULADA COM PIN / КЛЮЧ-КРЮК С ШАРНИРОМ**

| COD.  | MAT.   | CAP. (mm) | L (mm) | g   |
|-------|--------|-----------|--------|-----|
| I0973 | SS 304 | 19-35     | 160    | 115 |
| I0974 |        | 35-50     | 210    | 230 |



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

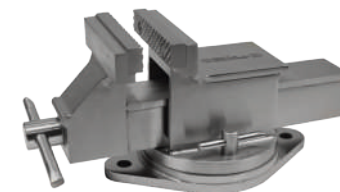
| COD.  | MAT.   | L (mm) | CAP. Ø (mm) | CAP. Ø (inch)  | g   |
|-------|--------|--------|-------------|----------------|-----|
| I0978 | SS 304 | 135    | 30-32       | 1.3/16-1.1/4   | 60  |
| I0979 |        | 170    | 34-36       | 1.5/16-1.13/32 | 90  |
| I0980 |        |        | 40-42       | 1.9/16-1.21/32 | 100 |
| I0981 |        | 210    | 45-50       | 1.3/4-2        | 150 |
| I0982 |        |        | 52-55       | 2.1/16-2.3/16  |     |
| I0983 |        | 240    | 58-62       | 2.9/32-2.7/16  | 210 |
| I0984 |        |        | 68-75       | 2.11/16-3      |     |
| I0985 |        | 280    | 80-90       | 3.1/8-3.1/2    | 370 |



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

■ **GIRATORIO / SWIVEL / TOURNANT / DREHBARE / Morsa Girevole / BASE GIRATORIA / ПОБОРОТНОЕ**

| COD.  | MAT.   | inch<br>↑<br>↓<br>mm | mm<br>↑<br>↓<br>mm | Kg  |
|-------|--------|----------------------|--------------------|-----|
| I0918 | SS 304 | 4                    | 100                | 7,0 |
| I0919 |        | 6                    | 140                | 20  |
| I0920 |        | 8                    | 200                | 30  |
| I0921 |        | 10                   | 250                | 45  |



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

■ **ELECTRICISTA / ELECTRICIAN / ELECTRICIEN / ELEKTRIKER / PER ELETTRICISTI / ELETRICISTA / ELETRICISTA**



| COD.  | MAT.   | <br>mm | <br>mm | <br>mm | <br>g |
|-------|--------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| I0849 | SS 304 | 3                                                                                         | 75                                                                                        | 160                                                                                       | 45                                                                                       |
| I0850 |        | 3,5                                                                                       |                                                                                           |                                                                                           |                                                                                          |
| I0851 |        | 4                                                                                         | 100                                                                                       | 185                                                                                       |                                                                                          |
| I0852 |        | 5                                                                                         |                                                                                           |                                                                                           |                                                                                          |
| I0853 |        | 5,5                                                                                       | 150                                                                                       | 230                                                                                       | 90                                                                                       |
| I0854 |        | 6                                                                                         |                                                                                           | 270                                                                                       | 110                                                                                      |
| I0855 |        | 8                                                                                         |                                                                                           | 280                                                                                       | 160                                                                                      |



| COD.  | MAT.   |  mm |  mm |  mm |  g |
|-------|--------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| I0856 | SS 304 | 10                                                                                   | 200                                                                                  | 330                                                                                  | 180                                                                                   |
| I0857 |        |                                                                                      | 300                                                                                  | 430                                                                                  | 200                                                                                   |
| I0858 |        | 12                                                                                   | 200                                                                                  | 330                                                                                  | 230                                                                                   |
| I0859 |        | 14                                                                                   | 250                                                                                  | 380                                                                                  | 300                                                                                   |

■ PHILLIPS®

| COD.  | MAT.   |  mm |  mm |  mm |  g |
|-------|--------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| I0860 | SS 304 | PH0                                                                                  | 60                                                                                   | 145                                                                                  | 38                                                                                    |
| I0861 |        | PH1                                                                                  | 80                                                                                   | 165                                                                                  | 75                                                                                    |
| I0862 |        | PH2                                                                                  | 100                                                                                  | 220                                                                                  | 90                                                                                    |
| I0863 |        | PH3                                                                                  | 150                                                                                  | 280                                                                                  | 145                                                                                   |
| I0864 |        | PH4                                                                                  | 200                                                                                  | 330                                                                                  |                                                                                       |

■ POZIDRIV®

| COD.  | MAT.   |  mm |  mm |  mm |  g |
|-------|--------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| I0865 | SS 304 | PZ0                                                                                  | 50                                                                                   | 135                                                                                  | 34                                                                                    |
| I0866 |        | PZ1                                                                                  | 75                                                                                   | 160                                                                                  | 43                                                                                    |
| I0867 |        | PZ2                                                                                  | 100                                                                                  | 220                                                                                  | 80                                                                                    |
| I0868 |        | PZ3                                                                                  | 150                                                                                  | 280                                                                                  | 140                                                                                   |
| I0869 |        | PZ4                                                                                  | 200                                                                                  | 330                                                                                  | 220                                                                                   |

■ PUNTAS DE DESTORNILLADOR / BITS / EMBOUTS DE VISSAGE / BITS / INSERTI / PONTAS / БИТЫ

■ PLANA / FLAT / À FENTE / FLACH / PIATTA / PLANA / ПЛОСКАЯ

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| I0950 | SS 304 | 3 x 0,5                                                                                | 25     | 1/4                                                                                      | 4,0                                                                                     |
| I0951 |        | 4 x 0,5                                                                                |        |                                                                                          |                                                                                         |
| I0952 |        | 4,5 x 0,6                                                                              |        |                                                                                          | 4,5                                                                                     |
| I0953 |        | 5 x 0,8                                                                                |        |                                                                                          |                                                                                         |
| I0954 |        | 5,5 x 0,8                                                                              |        |                                                                                          | 5,0                                                                                     |
| I0955 |        | 6 x 1,2                                                                                |        |                                                                                          |                                                                                         |
| I0956 |        | 6,5 x 1,2                                                                              |        |                                                                                          | 6,0                                                                                     |
| I0957 |        | 8 x 1,6                                                                                |        |                                                                                          | 7,0                                                                                     |

■ PHILLIPS®

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| I0958 | SS 304 | PH-1                                                                                   | 25     | 1/4                                                                                      | 4,0                                                                                     |
| I0959 |        | PH-2                                                                                   |        |                                                                                          | 4,5                                                                                     |
| I0960 |        | PH-3                                                                                   |        |                                                                                          | 6,5                                                                                     |

■ POZIDRIV®

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| I0968 | SS 304 | PZ-1                                                                                   | 25     | 1/4                                                                                      | 4,0                                                                                     |
| I0969 |        | PZ-2                                                                                   |        |                                                                                          | 4,5                                                                                     |
| I0970 |        | PZ-3                                                                                   |        |                                                                                          | 6,5                                                                                     |

■ HEXAGONAL / HEXAGONAL / HEXAGONALE / HEXAGONAL / ESAGONALE / HEXAGONAL / ШЕСТИГРАННАЯ

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| I0943 | SS 304 | 3                                                                                      | 25     | 1/4                                                                                      | 4,0                                                                                     |
| I0944 |        | 4                                                                                      |        |                                                                                          | 4,4                                                                                     |

• \*Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / \*For screws PHILLIPS® (Phillips Screw Company registered trademark) / \*Pour vis PHILLIPS® (Marque enregistrée par Phillips Screw Company)  
 • \*Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / \*For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark) / \*Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

| COD.  | MAT.   | <br>mm | L (mm) | <br>inch | <br>g |
|-------|--------|-----------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| I0945 | SS 304 | 4,5                                                                                     | 25     | 1/4                                                                                       | 4,7                                                                                      |
| I0946 |        | 5                                                                                       |        |                                                                                           | 5,0                                                                                      |
| I0947 |        | 5,5                                                                                     |        |                                                                                           | 5,5                                                                                      |
| I0948 |        | 6                                                                                       |        |                                                                                           | 6,0                                                                                      |
| I0949 |        | 6,5                                                                                     |        |                                                                                           | 6,5                                                                                      |

**TORX®**

| COD.  | MAT.   | <br>mm | L (mm) | <br>inch | <br>g |
|-------|--------|-----------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| I0961 | SS 304 | T-10                                                                                    | 25     | 1/4                                                                                       | 3,5                                                                                      |
| I0962 |        | T-15                                                                                    |        |                                                                                           | 3,8                                                                                      |
| I0963 |        | T-20                                                                                    |        |                                                                                           | 4,0                                                                                      |
| I0964 |        | T-25                                                                                    |        |                                                                                           | 4,7                                                                                      |
| I0965 |        | T-27                                                                                    |        |                                                                                           | 5,0                                                                                      |
| I0966 |        | T-30                                                                                    |        |                                                                                           | 5,0                                                                                      |
| I0967 |        | T-40                                                                                    |        |                                                                                           | 6,5                                                                                      |



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

| COD.  | MAT.   | L (mm)   | <br>O.D.<br>mm | <br>g |
|-------|--------|----------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| I0870 | SS 304 | 16 x 160 | 16                                                                                              | 230                                                                                      |
| I0871 |        | 18 x 200 | 18                                                                                              | 380                                                                                      |
| I0872 |        | 24 x 300 | 24                                                                                              | 1000                                                                                     |
| I0873 |        | 25 x 400 | 25                                                                                              | 1500                                                                                     |
| I0874 |        | 30 x 500 | 30                                                                                              | 2750                                                                                     |



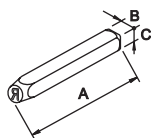
**BOTADORES CILÍNDRICOS / PIN PUNCHES / CHASSES GOUPILLES / DURCHSCHLÄGER / PUNZONE CILINDRICO / PUNÇÕES CILÍNDRICOS / ПРОБОЙНИКИ**

| COD.  | MAT.   | Ø (m) | Ø 1 (mm) | L (mm) | <br>g |
|-------|--------|-------|----------|--------|--------------------------------------------------------------------------------------------|
| I0875 | SS 304 | 2     | 8        | 110    | 36                                                                                         |
| I0876 |        | 3     | 9        |        | 44                                                                                         |
| I0877 |        | 4     | 10       |        | 50                                                                                         |
| I0878 |        | 5     | 11       | 115    | 65                                                                                         |
| I0879 |        | 6     | 12       |        | 80                                                                                         |
| I0880 |        | 7     | 13       | 120    | 100                                                                                        |



**JUEGOS DE GOLPE / PUNCHES / JEUX DE CLÉS À CHOC / DURCHSCHLÄGE / PUNZONI / JOGOS DE PANCADA / МЕТЧИКИ**

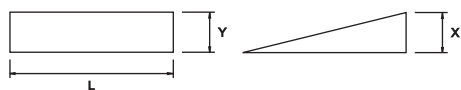
**NÚMEROS / NUMBERS / CHIFFRES / NUMMER / NUMERI / NÚMEROS / ЦИФРЫ**



| COD.  | MAT.   | Altura (mm) / Height (mm) / Hauteur (mm) | A (mm) | B (mm) | C (mm) | <br>g |
|-------|--------|------------------------------------------|--------|--------|--------|--------------------------------------------------------------------------------------------|
| I0914 | SS 304 | 5                                        | 60     | 7      | 7      | 220                                                                                        |



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



| COD.  | MAT.   | L (mm) | Y  | X  | g    |
|-------|--------|--------|----|----|------|
| I0882 | SS 304 | 80     | 13 | 6  | 25   |
| I0883 |        | 100    |    | 10 | 200  |
| I0884 |        | 150    |    | 13 | 380  |
| I0885 |        | 180    | 50 | 19 | 700  |
| I0886 |        | 200    |    | 12 | 470  |
| I0887 |        | 250    | 40 | 30 | 1250 |
| I0888 |        | 300    | 50 | 40 | 2450 |



■ **PALANCA / PINCHBAR / PINCE À TALON / BRECHSTANGE / LEVA / AVALANCA / МОЛИТОВКА**

| COD.  | MAT.   | L (mm)   | Kg   |
|-------|--------|----------|------|
| I0889 | SS 304 | 15 x 500 | 750  |
| I0890 |        | 19 x 500 | 1100 |
| I0891 |        | 20 x 500 | 1300 |
| I0892 |        | 23 x 500 | 1750 |
| I0893 |        | 23 x 800 | 2650 |



■ **CUCHILLOS / KNIVES / COUTEAUX / MESSER / COLTELLI / FACA / НОЖИ**

| COD.  | MAT.   | L (mm) | L (mm) | g   |
|-------|--------|--------|--------|-----|
| I0915 | SS 304 | 250    | 145    | 200 |



■ **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.   | L (mm) | g   |
|-------|--------|--------|-----|
| I0917 | SS 304 | 250    | 450 |



■ **ARCO DE SIERRA / HACK SAW / MONTURE DE SCIE À METAUX / METALLSÄGEBÖGEN / ARCHETTI / ARCOS DE SERRA / НОЖОВКА**

| COD.  | MAT.   | inch | mm  | g   |   |
|-------|--------|------|-----|-----|---|
| I0916 | SS 304 | 12"  | 300 | 800 | 1 |



■ **SS 316**

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

■ **UNIVERSALES / COMBINATION / UNIVERSELLES / KOMBIZANGEN / UNIVERSALI / UNIVERSAIS / УНИВЕРСАЛЬНЫЕ**

| COD.  | MAT.   | L (mm) | g    |
|-------|--------|--------|------|
| I5001 | SS 316 | 150    | 1800 |
| I5002 |        | 175    | 360  |
| I5003 |        | 200    | 470  |



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

| COD.  | MAT.   | L (mm) | g   |
|-------|--------|--------|-----|
| I5004 | SS 316 | 150    | 195 |



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

| COD.         | MAT.   | L (mm) | g   |
|--------------|--------|--------|-----|
| <b>I5005</b> | SS 316 | 150    | 145 |



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

| COD.         | MAT.   | L (mm) | g   |
|--------------|--------|--------|-----|
| <b>I5006</b> | SS 316 | 150    | 190 |
| <b>I5007</b> |        | 200    | 340 |



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

| COD.         | MAT.   | L (mm) | g   |
|--------------|--------|--------|-----|
| <b>I5008</b> | SS 316 | 150    | 185 |
| <b>I5009</b> |        | 200    | 320 |



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

| COD.         | MAT.   | L (mm) | g   |
|--------------|--------|--------|-----|
| <b>I5010</b> | SS 316 | 150    | 250 |
| <b>I5011</b> |        | 200    | 410 |



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

| COD.         | MAT.   | L (mm) | g   |
|--------------|--------|--------|-----|
| <b>I5012</b> | SS 316 | 180    | 190 |
| <b>I5013</b> |        | 200    | 230 |



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

| COD.         | MAT.   | L (mm) | g   |
|--------------|--------|--------|-----|
| <b>I5014</b> | SS 316 | 180    | 280 |



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

| COD.         | MAT.   | L (mm) | g   |
|--------------|--------|--------|-----|
| <b>I5017</b> | SS 316 | 170    | 200 |



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

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

| COD.         | MAT.   | L (inch) | g   |
|--------------|--------|----------|-----|
| <b>I5026</b> | SS 316 | 10       | 410 |
| <b>I5027</b> |        | 12       | 700 |



■ **PICO DE LORO / GROOVE JOINT / MULTIPRISE À CRÉMAILLÈRE / WASSERPUMPENZANGE / PINZE REGOLABILI / BICO DE PAPAGAIO / КЛЕЩИ ЖЕЛОБОВОГО ТИПА**

| COD.         | MAT.   | L (inch) | g   |
|--------------|--------|----------|-----|
| <b>I5028</b> | SS 316 | 10       | 410 |
| <b>I5029</b> |        | 12       | 640 |



■ **GRIP / GRIP / PINCE ÉTAU / GRIPZANGE / PINZE GRIP / PRESSÃO / СТРУБЦИНА**

| COD.  | MAT.   | L (inch) |  |
|-------|--------|----------|-----------------------------------------------------------------------------------|
| I5030 | SS 316 | 10       | 480                                                                               |



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

■ **LLAVE AJUSTABLE / ADJUSTABLE WRENCH / CLÉ À MOLETTE / ROLLGABELSCHÜSSEL / CHIAVE REGOLABILI A RULLINO / CHAVE AJUSTAVEL / РАЗВОДНЫЕ КЛЮЧИ**

| COD.  | MAT.   | L (inch) | L (mm) |  |  |
|-------|--------|----------|--------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| I5031 | SS 316 | 6        | 150    | 18                                                                                | 145                                                                                 |
| I5032 |        | 8        | 200    | 24                                                                                | 270                                                                                 |
| I5033 |        | 10       | 250    | 30                                                                                | 410                                                                                 |
| I5034 |        | 12       | 300    | 36                                                                                | 650                                                                                 |
| I5035 |        | 15       | 375    | 46                                                                                | 1450                                                                                |
| I5036 |        | 18       | 450    | 55                                                                                | 2050                                                                                |
| I5037 |        | 24       | 600    | 65                                                                                | 4700                                                                                |



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

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| I5894 | SS 316 | 5,5-7                                                                             | 90     | 25                                                                                 |
| I5038 |        | 6-7                                                                               |        |                                                                                    |
| I5039 |        | 8-9                                                                               | 100    | 34                                                                                 |
| I5040 |        | 10-11                                                                             | 115    | 60                                                                                 |
| I5041 |        | 12-13                                                                             | 130    | 75                                                                                 |
| I5042 |        | 14-15                                                                             | 140    | 120                                                                                |
| I5043 |        | 16-17                                                                             | 155    | 130                                                                                |
| I5044 |        | 18-19                                                                             | 165    | 150                                                                                |
| I5045 |        | 19-22                                                                             | 185    | 220                                                                                |
| I5046 |        | 20-22                                                                             | 195    | 250                                                                                |
| I5047 |        | 21-23                                                                             | 200    | 280                                                                                |
| I5048 |        | 22-24                                                                             | 210    | 310                                                                                |
| I5049 |        | 24-26                                                                             | 220    | 330                                                                                |
| I5050 |        | 24-27                                                                             |        | 350                                                                                |
| I5051 |        | 25-28                                                                             |        | 370                                                                                |
| I5052 |        | 27-29                                                                             | 240    |                                                                                    |
| I5053 |        | 27-30                                                                             | 250    | 490                                                                                |
| I5054 |        | 30-32                                                                             |        | 600                                                                                |
| I5055 |        | 27-32                                                                             | 270    | 490                                                                                |
| I5056 |        | 32-36                                                                             | 300    | 900                                                                                |
| I5057 |        | 36-41                                                                             |        |                                                                                    |
| I5058 |        | 38-42                                                                             | 330    | 1350                                                                               |



■ **FIJA UNA BOCA / SINGLE ENDED OPEN JAW SPANNER / À FOURCHE SIMPLE / EINMAUSCHLÜSSEL / FISSE SEMPLICE / FIXA DE UMA BOCA / ОДНОРОЖКОВЫЙ КЛЮЧ**

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| I5059 | SS 316 | 4                                                                                   |        |                                                                                      |
| I5060 |        | 5                                                                                   |        |                                                                                      |
| I5061 |        | 5,5                                                                                 | 80     | 18                                                                                   |
| I5927 |        | 6                                                                                   |        |                                                                                      |
| I5062 |        | 7                                                                                   |        |                                                                                      |
| I5895 |        | 8                                                                                   | 95     | 40                                                                                   |
| I5063 |        | 10                                                                                  | 105    | 50                                                                                   |
| I5064 |        | 12                                                                                  | 125    | 65                                                                                   |
| I5896 |        | 13                                                                                  |        |                                                                                      |
| I5065 |        | 14                                                                                  | 140    | 95                                                                                   |
| I5066 |        | 16                                                                                  |        |                                                                                      |
| I5067 |        | 17                                                                                  | 160    | 105                                                                                  |
| I5068 |        | 18                                                                                  |        |                                                                                      |
| I5069 |        | 19                                                                                  | 170    | 130                                                                                  |
| I5897 |        | 22                                                                                  | 195    | 170                                                                                  |



| COD.  | MAT.   | AP mm | L (mm) | g    |
|-------|--------|-------|--------|------|
| I5070 | SS 316 | 24    | 220    | 190  |
| I5071 |        | 27    | 240    | 290  |
| I5072 |        | 30    | 260    | 320  |
| I5073 |        | 32    |        |      |
| I5898 |        | 33    | 280    | 400  |
| I5074 |        | 34    | 290    | 460  |
| I5075 |        | 36    | 310    | 550  |
| I5076 |        | 41    | 350    | 600  |
| I5077 |        | 46    | 380    | 950  |
| I5078 |        | 50    | 410    | 1200 |
| I5079 |        | 55    | 450    | 1500 |
| I5080 |        | 60    | 490    | 2100 |
| I5081 |        | 65    |        | 2950 |
| I5082 |        | 70    | 550    | 3250 |
| I5083 |        | 75    | 600    | 3700 |

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

| COD.  | MAT.   | AP mm | L (mm) | g    |
|-------|--------|-------|--------|------|
| I5084 | SS 316 | 6     | 105    | 18   |
| I5085 |        | 7     | 120    | 40   |
| I5086 |        | 8     |        |      |
| I5087 |        | 9     |        |      |
| I5088 |        | 10    | 135    | 45   |
| I5089 |        | 11    |        |      |
| I5090 |        | 12    | 150    | 65   |
| I5091 |        | 13    |        |      |
| I5092 |        | 14    | 175    | 90   |
| I5093 |        | 15    |        |      |
| I5094 |        | 16    | 195    | 140  |
| I5095 |        | 17    |        |      |
| I5096 |        | 18    |        |      |
| I5097 |        | 19    | 220    | 180  |
| I5098 |        | 20    |        |      |
| I5099 |        | 21    | 250    | 280  |
| I5100 |        | 22    |        |      |
| I5101 |        | 23    |        |      |
| I5102 |        | 24    | 270    | 320  |
| I5103 |        | 25    |        |      |
| I5104 |        | 26    |        |      |
| I5105 |        | 27    | 290    | 430  |
| I5106 |        | 28    |        |      |
| I5107 |        | 29    | 320    | 550  |
| I5108 |        | 30    |        |      |
| I5109 |        | 32    | 340    | 800  |
| I5110 |        | 36    | 360    | 950  |
| I5111 |        | 46    | 430    | 1500 |
| I5112 |        | 50    | 500    | 2000 |
| I5113 |        | 56    | 550    |      |



■ MM

■ INCH

| COD.  | MAT.   | AP inch | L (mm) | g  |
|-------|--------|---------|--------|----|
| I5114 | SS 316 | 1/4     | 120    | 40 |
| I5115 |        | 5/16    |        |    |
| I5116 |        | 11/32   | 135    | 45 |
| I5117 |        | 3/8     |        |    |
| I5118 |        | 13/32   | 150    | 65 |
| I5119 |        | 7/16    |        |    |



| COD.  | MAT.   | AP inch | L (mm) | g   |
|-------|--------|---------|--------|-----|
| I5120 | SS 316 | 1/2     | 175    | 90  |
| I5121 |        | 9/16    |        |     |
| I5122 |        | 5/8     |        |     |
| I5123 |        | 11/16   | 195    | 140 |
| I5124 |        | 3/4     |        |     |
| I5125 |        | 13/16   |        |     |
| I5126 |        | 25/32   | 220    | 180 |
| I5127 |        | 7/8     |        |     |
| I5128 |        | 15/16   |        |     |
| I5129 |        | 31/32   | 250    | 280 |
| I5130 |        | 1       |        |     |
| I5131 |        | 1.1/16  |        |     |
| I5132 |        | 1.1/8   | 270    | 320 |
| I5133 |        | 1.3/16  |        |     |
| I5134 |        | 1.1/4   |        |     |
| I5135 |        | 1.3/8   | 320    | 550 |
| I5136 |        | 1.1/2   |        |     |

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

N!

| COD.  | MAT.   | AP mm | L (mm) | g   |
|-------|--------|-------|--------|-----|
| I5137 | SS 316 | 10    | 165    | 125 |
| I5899 |        | 11    | 175    | 150 |
| I5900 |        | 12    |        |     |
| I5901 |        | 14    |        |     |
| I5902 |        | 15    | 190    | 180 |
| I5138 |        | 17    |        |     |
| I5903 |        | 18    |        |     |
| I5139 |        | 19    | 220    | 280 |
| I5904 |        | 20    |        |     |
| I5140 |        | 24    |        |     |
| I5141 |        | 27    | 240    | 350 |
|       |        |       |        |     |
|       |        |       |        |     |
|       |        |       | 270    | 470 |
|       |        |       |        |     |
|       |        |       |        |     |
|       |        |       | 290    | 550 |
|       |        |       |        |     |
|       |        |       |        |     |
|       |        |       | 320    | 700 |
|       |        |       |        |     |
|       |        |       |        |     |



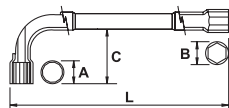
**LLAVES ACODADAS / DOUBLE OFFSET RING WRENCHES / CLÉS POLYGONALES CONTRE-COUDÉES / RINGSCHLÜSSEL / CHIAVI POLIGONALI / CHAVES LUNETA / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА**

N!

| COD.  | MAT.   | AP mm | L (mm) | g   |
|-------|--------|-------|--------|-----|
| I5142 | SS 316 | 6-7   | 95     | 25  |
| I5143 |        | 8-9   | 115    | 32  |
| I5144 |        | 10-11 | 125    | 37  |
| I5145 |        | 12-13 | 145    | 70  |
| I5146 |        | 14-15 | 165    | 100 |
| I5147 |        | 16-17 | 170    | 120 |
| I5148 |        | 18-19 | 185    | 130 |
| I5149 |        | 20-22 | 200    | 180 |
| I5150 |        | 21-23 | 220    | 240 |
| I5151 |        | 24-26 | 230    | 320 |
| I5152 |        | 25-28 | 270    | 390 |
| I5153 |        | 30-32 | 300    | 470 |
| I5154 |        | 32-36 | 330    | 600 |
| I5155 |        | 38-42 | 370    | 950 |
| I5905 |        | 10-13 | 140    | 55  |



**LLAVES DE PIPA ABIERTAS / ANGLED OPEN SOCKETS / CLÉS À PIPE DEBOUCHEES / PFEIFENKOPFSCHLÜSSEL / CHIAVI A PIPA APERTE / DE CACHIMBO ABERTAS / КЛЮЧ С ИЗОГНУТЫМИ ГОЛОВКАМИ**



N!

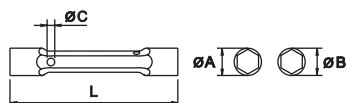
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) |  |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| I5156 | SS 316 | 6                                                                                 | 100    | 11     | 11     | 38     | 60                                                                                | 6                                                                                  | ●                                                                                   |
| I5157 |        | 7                                                                                 | 110    | 13     | 13     | 42     | 75                                                                                |                                                                                    |                                                                                     |
| I5158 |        | 8                                                                                 | 115    | 14     | 14     | 46     | 95                                                                                |                                                                                    |                                                                                     |
| I5159 |        | 10                                                                                | 130    | 16     | 16     | 50     | 135                                                                               |                                                                                    |                                                                                     |
| I5160 |        | 13                                                                                | 160    | 20     | 20     | 55     | 240                                                                               |                                                                                    |                                                                                     |
| I5161 |        | 16                                                                                | 190    | 25     | 25     | 70     | 370                                                                               |                                                                                    |                                                                                     |
| I5162 |        | 17                                                                                |        | 26     | 26     |        |                                                                                   |                                                                                    |                                                                                     |
| I5163 |        | 18                                                                                | 200    | 27     | 27     | 75     | 530                                                                               |                                                                                    |                                                                                     |
| I5164 |        | 19                                                                                |        | 28     | 28     |        |                                                                                   |                                                                                    |                                                                                     |
| I5165 |        | 22                                                                                | 230    | 32     | 32     | 90     | 700                                                                               |                                                                                    |                                                                                     |
| I5166 |        | 24                                                                                | 250    | 36     | 36     | 100    | 770                                                                               |                                                                                    |                                                                                     |



**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

12 x 6

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



N!

| COD.  | MAT.   | AP mm | L (mm) | A (mm) | B (mm) | C (mm) | g    |
|-------|--------|-------|--------|--------|--------|--------|------|
| I5167 | SS 316 | 6-7   | 105    | 11     | 12     | 4      | 65   |
| I5168 |        | 8-9   | 115    | 13     | 15     |        | 85   |
| I5169 |        | 7-10  |        |        | 16     |        |      |
| I5170 |        | 10-11 | 120    | 17     | 18     | 6      | 105  |
| I5171 |        | 12-13 |        | 19     | 21     |        | 160  |
| I5172 |        | 14-15 | 140    | 22     | 23     | 7      | 240  |
| I5173 |        | 16-17 | 155    | 24     | 26     | 8      | 420  |
| I5174 |        | 18-19 | 165    | 28     | 29     | 9      | 500  |
| I5175 |        | 20-22 | 175    | 30     | 32     |        | 600  |
| I5176 |        | 21-23 | 185    | 31     | 33     | 11     | 650  |
| I5177 |        | 24-26 | 195    | 35     | 37     | 12     | 850  |
| I5178 |        | 24-27 |        |        |        |        |      |
| I5179 |        | 25-28 |        | 36     | 39     | 13     | 900  |
| I5180 |        | 27-29 | 210    | 29     | 42     |        |      |
| I5181 |        | 30-32 | 220    | 42     | 45     | 14     | 1000 |



**LLAVE HEAVY DUTY / HEAVY DUTY PIPE WRENCH / CLÉ SERRE-TUBES HEAVY DUTY / HEAVY DUTY ROHRZANGE / GIRATUBI MODELLO AMERICANO PESANTE / CHAVE HEAVY DUTY / ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК**

N!

| COD.  | MAT.   | L (inch) | CAP. (inch) | Kg   |
|-------|--------|----------|-------------|------|
| I5182 | SS 316 | 6        | 3/4         | 320  |
| I5183 |        | 8        | 1           | 420  |
| I5184 |        | 10       | 1.1/4       | 750  |
| I5185 |        | 12       | 1.1/2       | 1050 |
| I5186 |        | 14       | 2           | 1300 |
| I5187 |        | 18       | 2.1/2       | 2250 |
| I5188 |        | 24       | 3           | 3600 |

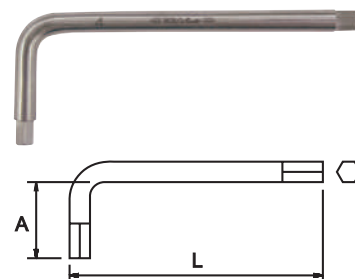


■ LLAVES HEXAGONALES / HEXAGONAL KEYS / CLÉS MÂLES / INBUSSCHLÜSSEL / CHIAVI ESAGONALI / CHAVES HEXAGONAIS / ШЕСТИГРАННЫЕ КЛЮЧИ

■ STANDARD

■ MM

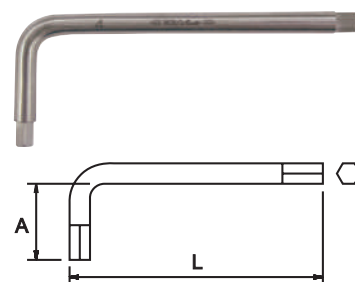
| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| I5189 | SS 316 | 1,5   | 60     | 22     | 8,0 |
| I5190 |        | 2     |        |        |     |
| I5191 |        | 2,5   |        |        |     |
| I5192 |        | 3     |        |        |     |
| I5193 |        | 3,5   | 65     | 23     | 10  |
| I5194 |        | 4     |        | 26     |     |
| I5195 |        | 4,5   | 70     | 27     | 16  |
| I5196 |        | 5     | 80     | 28     |     |
| I5197 |        | 6     | 85     | 32     | 25  |
| I5198 |        | 7     | 90     | 37     | 34  |
| I5199 |        | 8     |        |        | 50  |
| I5200 |        | 9     | 95     | 36     | 60  |
| I5201 |        | 10    | 110    |        | 80  |
| I5202 |        | 11    | 120    | 38     | 100 |
| I5203 |        | 12    | 130    | 41     | 145 |
| I5204 |        | 14    | 150    | 46     | 210 |
| I5205 |        | 17    | 170    | 50     | 370 |



■ INCH



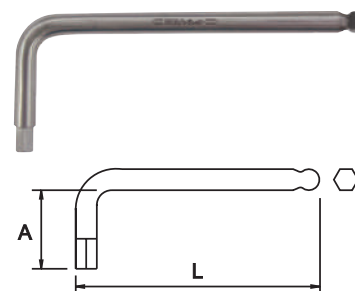
| COD.  | MAT.   | <br>inch | L (mm) | A (mm) | <br>g |
|-------|--------|---------------------------------------------------------------------------------------------|--------|--------|--------------------------------------------------------------------------------------------|
| I5206 | SS 316 | 1/16                                                                                        | 60     | 22     | 8,0                                                                                        |
| I5207 |        | 5/64                                                                                        |        |        |                                                                                            |
| I5208 |        | 3/32                                                                                        |        |        |                                                                                            |
| I5986 |        | 7/64                                                                                        |        |        |                                                                                            |
| I5209 |        | 1/8                                                                                         | 65     | 23     | 10                                                                                         |
| I5210 |        | 9/64                                                                                        |        |        |                                                                                            |
| I5211 |        | 5/32                                                                                        | 80     | 26     | 16                                                                                         |
| I5212 |        | 3/16                                                                                        |        |        |                                                                                            |
| I5213 |        | 7/32                                                                                        | 85     | 32     | 25                                                                                         |
| I5214 |        | 1/4                                                                                         |        |        |                                                                                            |
| I5987 |        | 9/32                                                                                        | 90     | 37     | 30                                                                                         |
| I5215 |        | 5/16                                                                                        |        |        |                                                                                            |
| I5988 |        | 11/32                                                                                       | 100    | 37     | 60                                                                                         |
| I5216 |        | 3/8                                                                                         |        |        |                                                                                            |
| I5989 |        | 7/16                                                                                        | 110    | 85     |                                                                                            |
| I5990 |        | 7/16                                                                                        | 120    | 38     | 100                                                                                        |
|       | 1/2    | 140                                                                                         | 43     | 160    |                                                                                            |



■ STANDARD CON PUNTA DE BOLA / STANDARD BALLPOINT / STANDARD EMBOUT SPHÉRIQUE / KUGELKOPF- WINKELSCHRAUBER / STANDARD CON PUNTA A SFERA / STANDARD COM BOLA / СТАНДАРТНЫЙ С ШАРИКОВОЙ ГОЛОВКОЙ

■ MM

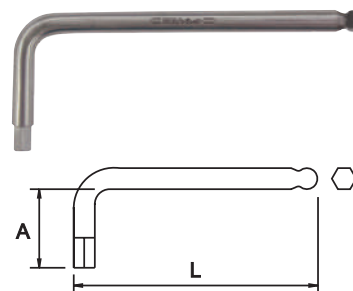
| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| I5217 | SS 316 | 1,5   | 50     | 16     | 3,0 |
| I5218 |        | 2,5   | 55     | 18     | 4,0 |
| I5219 |        | 3     | 65     | 20     | 5,0 |
| I5220 |        | 4     | 70     | 25     | 12  |
| I5221 |        | 6     | 90     | 32     | 30  |
| I5222 |        | 10    | 110    | 40     | 100 |



## INCH

N!

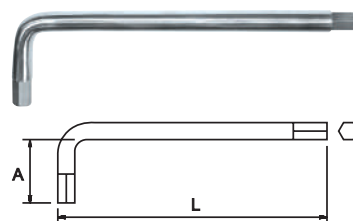
| COD.  | MAT.   | AF inch | L (mm) | A (mm) | g   |
|-------|--------|---------|--------|--------|-----|
| I5223 | SS 316 | 1/16    | 50     | 13     | 3,0 |
| I5224 |        | 5/64    |        | 16     |     |
| I5225 |        | 3/32    | 55     | 18     | 4,0 |
| I5226 |        | 7/64    |        | 20     |     |
| I5227 |        | 1/8     | 65     | 20     | 5,0 |
| I5228 |        | 9/64    |        | 25     |     |
| I5229 |        | 5/32    | 70     | 25     | 12  |
| I5230 |        | 3/16    | 80     | 28     | 22  |
| I5231 |        | 7/32    | 90     | 32     | 30  |
| I5232 |        | 1/4     |        | 36     |     |
| I5233 |        | 5/16    | 100    | 36     | 55  |
| I5234 |        | 3/8     | 110    | 40     | 100 |
| I5235 |        | 1/2     | 135    | 48     | 250 |



## SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

N!

| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| I5906 | SS 316 | 2     | 75     | 18     | 8,0 |
| I5236 |        | 2,5   | 85     | 21     | 9,0 |
| I5237 |        | 3     | 95     | 23     | 10  |
| I5238 |        | 3,5   | 100    | 26     | 13  |
| I5239 |        | 4     | 105    | 29     | 14  |
| I5240 |        | 5     | 120    | 33     | 22  |
| I5241 |        | 6     | 140    | 38     | 37  |
| I5242 |        | 7     | 145    | 41     | 48  |
| I5243 |        | 8     | 160    | 44     | 70  |
| I5244 |        | 9     | 170    | 47     | 100 |
| I5245 |        | 10    | 180    | 50     | 125 |
| I5246 |        | 11    | 190    | 55     | 155 |
| I5247 |        | 12    | 200    | 55     | 210 |

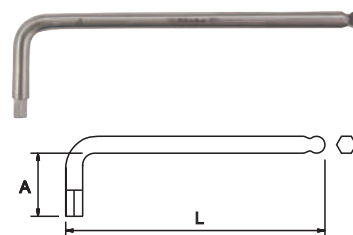


## BOLA SERIE LARGA / LONG PATTERN BALLPOINT / SÉRIE LONGUE À TÊTE SPHÉRIQUE / KUGELKOPF- INBUSSCHLÜSSEL / SERIE LUNGA CON TESTA SFERICA / ESFERICAS, SERIE LONGA / ДЛИННЫЙ С ШАРОВОЙ ГОЛОВКОЙ

## MM

N!

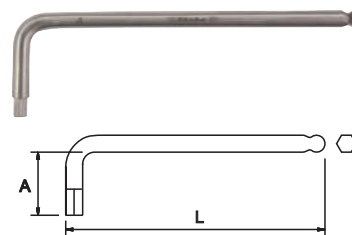
| COD.  | MAT.   | AF mm | L (mm) | A (mm) | g   |
|-------|--------|-------|--------|--------|-----|
| I5248 | SS 316 | 1,5   | 65     | 16     | 3,7 |
| I5249 |        | 2     | 75     | 18     | 4,5 |
| I5250 |        | 2,5   | 85     | 21     | 6,5 |
| I5251 |        | 3     | 95     | 23     | 8,0 |
| I5252 |        | 3,5   | 100    | 26     | 12  |
| I5253 |        | 4     | 105    | 29     | 15  |
| I5975 |        | 4,5   |        | 29     | 22  |
| I5254 |        | 5     | 120    | 33     | 28  |
| I5255 |        | 5,5   | 130    | 36     | 34  |
| I5256 |        | 6     | 140    | 38     | 41  |
| I5257 |        | 7     | 145    | 41     | 65  |
| I5258 |        | 8     | 160    | 44     | 76  |
| I5259 |        | 9     | 170    | 47     | 105 |
| I5260 |        | 10    | 180    | 50     | 140 |
| I5261 |        | 11    | 190    | 55     | 190 |
| I5262 |        | 12    | 200    |        | 250 |
| I5263 |        | 14    | 230    | 70     | 380 |
| I5264 |        | 17    | 260    | 80     | 550 |



INCH

N!

| COD.  | MAT.   | AF inch | L (mm) | A (mm) | g   |
|-------|--------|---------|--------|--------|-----|
| I5265 | SS 316 | 1/16    | 65     | 16     | 3,7 |
| I5266 |        | 5/64    | 75     | 18     | 4,5 |
| I5267 |        | 3/32    | 85     | 21     | 6,5 |
| I5268 |        | 7/64    | 95     | 23     | 8,0 |
| I5269 |        | 1/8     |        |        |     |
| I5270 |        | 9/64    | 100    | 26     | 12  |
| I5271 |        | 5/32    | 105    | 29     | 15  |
| I5272 |        | 3/16    | 120    | 33     | 28  |
| I5273 |        | 7/32    | 130    | 36     | 34  |
| I5274 |        | 1/4     | 140    | 38     | 41  |
| I5275 |        | 5/16    | 160    | 44     | 75  |
| I5276 |        | 3/8     |        |        |     |
| I5277 |        | 1/2     | 200    | 55     | 250 |

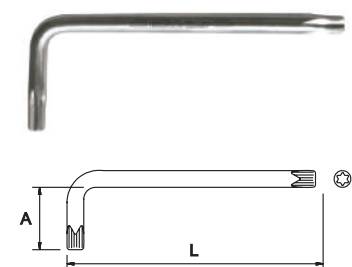


TORX®

STANDARD

N!

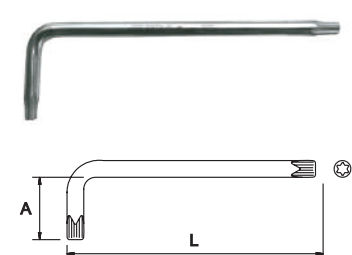
| COD.  | MAT.   |  | L (mm) | A (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|------------------------------------------------------------------------------------|
| I5278 | SS 316 | T-6                                                                               | 42     | 16     | 7,5                                                                                |
| I5279 |        | T-7                                                                               |        |        |                                                                                    |
| I5280 |        | T-8                                                                               |        |        |                                                                                    |
| I5281 |        | T-9                                                                               |        |        |                                                                                    |
| I5282 |        | T-10                                                                              | 50     | 17     |                                                                                    |
| I5283 |        | T-15                                                                              | 55     | 18     | 9,5                                                                                |
| I5284 |        | T-20                                                                              |        | 13     |                                                                                    |
| I5285 |        | T-25                                                                              | 60     | 20     | 17                                                                                 |
| I5286 |        | T-27                                                                              | 65     | 21     | 19                                                                                 |
| I5287 |        | T-30                                                                              | 70     | 24     | 29                                                                                 |
| I5288 |        | T-35                                                                              | 75     | 25     | 33                                                                                 |
| I5289 |        | T-40                                                                              |        | 26     | 29                                                                                 |
| I5290 |        | T-45                                                                              | 85     | 29     | 48                                                                                 |
| I5291 |        | T-50                                                                              | 95     | 32     | 70                                                                                 |



SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

N!

| COD.  | MAT.   |  | L (mm) | A (mm) |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------------------------------------------------------------------------------------|
| I5292 | SS 316 | T-6                                                                                 | 65     | 16     | 10                                                                                   |
| I5293 |        | T-7                                                                                 | 70     |        |                                                                                      |
| I5294 |        | T-8                                                                                 |        |        |                                                                                      |
| I5295 |        | T-9                                                                                 | 75     | 17     | 11                                                                                   |
| I5296 |        | T-10                                                                                |        |        |                                                                                      |
| I5297 |        | T-15                                                                                | 80     | 18     | 13                                                                                   |
| I5298 |        | T-20                                                                                |        | 18     | 17                                                                                   |
| I5299 |        | T-25                                                                                | 85     | 20     | 21                                                                                   |
| I5300 |        | T-27                                                                                |        | 21     | 25                                                                                   |
| I5301 |        | T-30                                                                                | 90     | 24     | 35                                                                                   |
| I5302 |        | T-35                                                                                | 95     | 25     | 40                                                                                   |
| I5303 |        | T-40                                                                                | 100    | 26     | 48                                                                                   |
| I5304 |        | T-45                                                                                | 115    | 29     | 60                                                                                   |
| I5305 |        | T-50                                                                                | 125    | 32     | 85                                                                                   |

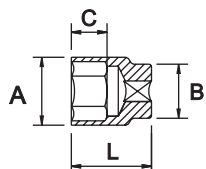


■ LLAVES DE VASO / SOCKET WRENCHES / DOUILLES / STECKSCHLÜSSEL / BUSSOLE DOPPEN / CHAVES DE CAIXA / ГОЛОВКИ

■ 1/4"

■ STANDARD

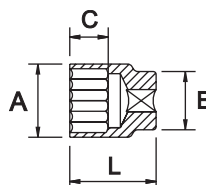
■ MM - 6 PT.



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | 9  |
|-------|--------|-------|--------|--------|--------|--------|----|----|
| I5306 | SS 316 | 4     | 25     | 12     | 9,0    | 11     | 6  | 17 |
| I5307 |        | 5     |        |        | 9,5    |        |    |    |
| I5308 |        | 6     |        |        | 11     |        |    |    |
| I5309 |        | 7     |        |        | 12     |        |    |    |
| I5310 |        | 8     |        |        | 13     |        |    |    |
| I5311 |        | 9     | 26     | 16     | 14     | 14     | 12 | 22 |
| I5312 |        | 10    |        |        | 15     |        |    |    |
| I5313 |        | 11    |        |        | 16     |        |    |    |
| I5314 |        | 12    |        |        | 17     |        |    |    |
| I5315 |        | 13    |        |        | 18     |        |    |    |
| I5316 | SS 316 | 14    | 27     | 16     | 19     | 15     | 12 | 35 |
| I5923 |        | 17    |        |        | 23     |        |    |    |



■ MM - 12 PT.

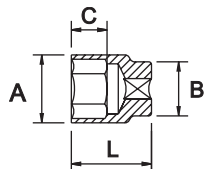


| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | 9  |
|-------|--------|-------|--------|--------|--------|--------|----|----|
| I5317 | SS 316 | 4     | 25     | 12     | 9,0    | 11     | 12 | 17 |
| I5318 |        | 5     |        |        | 9,5    |        |    |    |
| I5319 |        | 6     |        |        | 11     |        |    |    |
| I5320 |        | 7     |        |        | 12     |        |    |    |
| I5321 |        | 8     |        |        | 13     |        |    |    |
| I5322 |        | 9     | 26     | 16     | 14     | 14     | 12 | 22 |
| I5323 |        | 10    |        |        | 15     |        |    |    |
| I5324 |        | 11    |        |        | 16     |        |    |    |
| I5325 |        | 12    |        |        | 17     |        |    |    |
| I5326 |        | 13    |        |        | 18     |        |    |    |
| I5327 | SS 316 | 14    | 27     | 16     | 19     | 15     | 12 | 35 |
| I5924 |        | 17    |        |        | 23     |        |    |    |



■ 1/4"

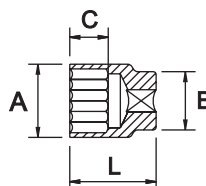
■ INCH - 6 PT.



|  | COD.  | MAT.   | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |     |    |
|-----------------------------------------------------------------------------------|-------|--------|--------|--------|--------|--------|----|------------------------------------------------------------------------------------|-----|----|
|  | I5328 | SS 316 | 25     | 12     | 3/16   | 11     | 6  | 17                                                                                 |     |    |
|                                                                                   | I5329 |        |        |        | 7/32   |        |    |                                                                                    | 9,5 | 11 |
|                                                                                   | I5330 |        |        |        | 1/4    |        |    |                                                                                    | 12  |    |
|                                                                                   | I5331 |        |        | 5/16   | 13     |        |    |                                                                                    | 13  |    |
|                                                                                   | I5332 |        | 3/8    | 15     | 15     | 22     |    |                                                                                    |     |    |
|                                                                                   | I5333 |        | 7/16   | 16     | 27     |        |    |                                                                                    |     |    |
|                                                                                   | I5334 |        | 1/2    | 18     | 30     |        |    |                                                                                    |     |    |
|                                                                                   | I5335 |        | 9/16   | 26     | 16     | 19     |    | 14                                                                                 | 35  |    |



■ INCH - 12 PT.

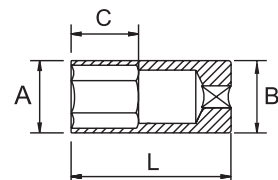


| N!    |        |                                                                                     |        |        |        |        |    |                                                                                      |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|--------------------------------------------------------------------------------------|
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
| I5336 | SS 316 | 3/16                                                                                | 25     | 12     | 9,5    | 11     | 12 | 17                                                                                   |
| I5337 |        | 7/32                                                                                |        |        | 11     |        |    |                                                                                      |
| I5338 |        | 1/4                                                                                 |        |        | 12     |        |    |                                                                                      |
| I5339 |        | 5/16                                                                                |        | 13     | 13     |        |    |                                                                                      |
| I5340 |        | 3/8                                                                                 | 15     | 15     | 14     | 22     |    |                                                                                      |
| I5341 |        | 7/16                                                                                | 16     | 16     |        | 27     |    |                                                                                      |
| I5342 |        | 1/2                                                                                 |        | 18     |        | 30     |    |                                                                                      |
| I5343 |        | 9/16                                                                                |        | 26     |        | 19     |    | 35                                                                                   |



■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

■ MM - 6 PT.

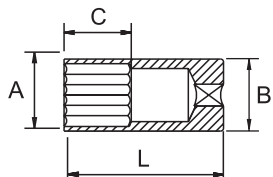


|  | COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |
|-----------------------------------------------------------------------------------|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|----|
|                                                                                   | I5344 | SS 316 | 4                                                                                   | 50     | 12     | 9,0    | 11     | 6  | 40                                                                                    |    |
|                                                                                   | I5345 |        | 5                                                                                   |        |        | 9,5    |        |    |                                                                                       |    |
|                                                                                   | I5346 |        | 6                                                                                   |        |        | 11     |        |    |                                                                                       |    |
|                                                                                   | I5347 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                       |    |
|                                                                                   | I5348 |        | 8                                                                                   |        | 13     | 13     |        |    | 42                                                                                    |    |
|                                                                                   | I5349 |        | 9                                                                                   |        | 14     | 14     |        |    | 46                                                                                    |    |
|                                                                                   | I5350 |        | 10                                                                                  |        | 15     | 15     |        |    | 50                                                                                    |    |
|                                                                                   | I5351 |        | 11                                                                                  |        | 16     | 16     |        |    | 14                                                                                    | 55 |
|                                                                                   | I5352 |        | 12                                                                                  |        |        | 17     |        |    |                                                                                       |    |
|                                                                                   | I5353 |        | 13                                                                                  |        |        | 18     |        |    |                                                                                       |    |



| COD.         | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |
|--------------|--------|-------|--------|--------|--------|--------|----|----|
| <b>I5354</b> | SS 316 | 14    | 50     | 16     | 19     | 14     | 6  | 60 |
| <b>I5925</b> |        | 17    |        |        | 23     | 15     |    | 65 |

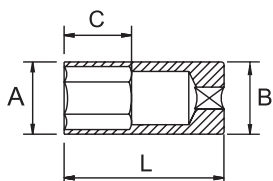
■ **MM - 12 PT.**



|  | COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |
|--|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|----|
|  | I5355 | SS 316 | 4                                                                                 | 50     | 12     | 9,0    | 11     | 12 | 40                                                                                  |    |
|  | I5356 |        | 5                                                                                 |        |        | 9,5    |        |    |                                                                                     |    |
|  | I5357 |        | 6                                                                                 |        |        | 11     |        |    |                                                                                     |    |
|  | I5358 |        | 7                                                                                 |        |        | 12     |        |    |                                                                                     |    |
|  | I5359 |        | 8                                                                                 |        | 13     | 13     | 14     |    | 42                                                                                  |    |
|  | I5360 |        | 9                                                                                 |        | 14     | 14     |        |    | 46                                                                                  |    |
|  | I5361 |        | 10                                                                                |        | 15     | 15     |        |    | 50                                                                                  |    |
|  | I5362 |        | 11                                                                                |        | 16     | 16     | 19     |    | 55                                                                                  |    |
|  | I5363 |        | 12                                                                                |        |        | 17     |        |    |                                                                                     |    |
|  | I5364 |        | 13                                                                                |        |        | 18     |        |    |                                                                                     | 14 |
|  | I5365 |        | 14                                                                                |        |        | 19     |        |    |                                                                                     | 60 |
|  | I5926 |        | 17                                                                                |        |        | 23     | 15     |    | 65                                                                                  |    |



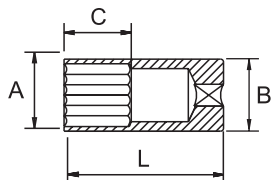
■ **INCH - 6 PT.**



|  | COD.  | MAT.   | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |    |
|-------------------------------------------------------------------------------------|-------|--------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|----|----|
|  | I5366 | SS 316 | 50     | 12     | 3/16   | 9,5    | 11 | 6                                                                                     | 40 |    |
|                                                                                     | I5367 |        |        |        | 7/32   | 11     |    |                                                                                       |    |    |
|                                                                                     | I5368 |        |        |        | 1/4    | 12     |    |                                                                                       |    |    |
|                                                                                     | I5369 |        |        | 5/16   | 13     | 13     |    |                                                                                       | 14 | 42 |
|                                                                                     | I5370 |        |        | 3/8    | 15     | 15     |    |                                                                                       |    | 50 |
|                                                                                     | I5371 |        |        | 7/16   | 16     | 16     |    |                                                                                       |    | 55 |
|                                                                                     | I5372 |        |        | 1/2    |        | 18     |    |                                                                                       |    |    |
|                                                                                     | I5373 |        |        | 9/16   |        | 19     |    |                                                                                       | 60 |    |



- 1/4"
- INCH - 12 PT.



|  | COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|---------------------------------------------------------------------------------|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|------------------------------------------------------------------------------------|
|                                                                                 | I5374 | SS 316 | 3/16                                                                              | 50     | 12     | 9,5    | 11     | 12 | 40                                                                                 |
|                                                                                 | I5375 |        | 7/32                                                                              |        |        | 11     |        |    |                                                                                    |
|                                                                                 | I5376 |        | 1/4                                                                               |        |        | 12     |        |    |                                                                                    |
|                                                                                 | I5377 |        | 5/16                                                                              |        | 13     | 13     | 14     |    | 42                                                                                 |
|                                                                                 | I5378 |        | 3/8                                                                               |        | 15     | 15     |        |    | 50                                                                                 |
|                                                                                 | I5379 |        | 7/16                                                                              |        | 16     | 16     |        |    | 55                                                                                 |
|                                                                                 | I5380 |        | 1/2                                                                               |        |        | 18     | 60     |    |                                                                                    |
|                                                                                 | I5381 |        | 9/16                                                                              |        |        | 19     |        |    |                                                                                    |



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

| COD.  | MAT.   | AF<br>inch | L (mm) | g   |
|-------|--------|------------|--------|-----|
| I5382 | SS 316 | 1/4        | 125    | 180 |



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

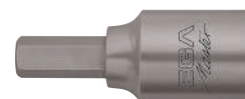
| COD.  | MAT.   | AF<br>inch | L (inch) | g  |
|-------|--------|------------|----------|----|
| I5383 | SS 316 | 1/4        | 3        | 37 |



**PUNTAS ATORNILLADORAS CON VASO / SOCKET BITS / EMBOUTS DE VISSAGE AVEC DOUILLE / STECKSCHLÜSSELEINSATZ / INSERTI A BUSSOLA / PONTAS APARAFUSADORAS COM CAIXA / ГОЛОВКИ-БИТЫ**



| COD.  | MAT.   |  | L (mm) |  |  |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| I5928 | SS 316 | 2                                                                                   | 37     | 17                                                                                  | ●                                                                                   | 10                                                                                    |
| I5929 |        | 3                                                                                   |        | 18                                                                                  |                                                                                     |                                                                                       |
| I5930 |        | 3,5                                                                                 |        |                                                                                     |                                                                                     |                                                                                       |
| I5931 |        | 4                                                                                   |        | 20                                                                                  |                                                                                     |                                                                                       |
| I5932 |        | 5                                                                                   |        |                                                                                     |                                                                                     |                                                                                       |
| I5933 |        | 6                                                                                   |        |                                                                                     |                                                                                     |                                                                                       |
| I5934 |        | 8                                                                                   |        | 25                                                                                  |                                                                                     |                                                                                       |
| I5935 |        | 10                                                                                  |        | 40                                                                                  |                                                                                     |                                                                                       |



**ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELN / SNODO CARDANICO / CARDAN UNIVERSAL / ШАРНИР**

| COD.  | MAT.   | AF<br>inch | L (mm) | g  |
|-------|--------|------------|--------|----|
| I5942 | SS 316 | 1/4        | 75     | 75 |

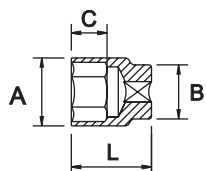


**MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / QUERGRIF / ASTA CON QUADRO SCORREVOLO / CABO "T" CORREDICO / ПОДВИЖНАЯ "Т" РУЧКА**

| COD.  | MAT.   | AF<br>inch | L (mm) | g   |   |   |
|-------|--------|------------|--------|-----|---|---|
| I5976 | SS 316 | 1/4        | 250    | 200 | ● | 5 |



- 3/8"
- STANDARD
- MM - 6 PT.

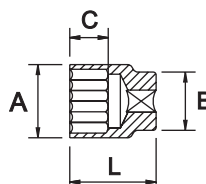


N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| I5384 | SS 316 | 6                                                                                 | 28     | 18     | 11     | 13     | 6  | 35                                                                                  |
| I5385 |        | 7                                                                                 |        |        | 12     |        |    |                                                                                     |
| I5386 |        | 8                                                                                 |        |        | 13     |        |    |                                                                                     |
| I5387 |        | 9                                                                                 |        |        | 14     |        |    |                                                                                     |
| I5388 |        | 10                                                                                | 15     | 20     | 20     | 6      |    |                                                                                     |
| I5389 |        | 11                                                                                | 16     |        |        |        |    |                                                                                     |
| I5390 |        | 12                                                                                | 18     |        |        |        |    |                                                                                     |
| I5391 |        | 13                                                                                | 19     |        |        |        |    |                                                                                     |
| I5392 |        | 14                                                                                | 20     |        |        |        |    |                                                                                     |
| I5393 |        | 15                                                                                | 22     |        |        |        |    |                                                                                     |
| I5394 |        | 16                                                                                | 23     |        | 21     |        | 20 | 55                                                                                  |
| I5395 |        | 17                                                                                | 24     |        | 60     |        |    |                                                                                     |
| I5396 |        | 19                                                                                | 26     |        | 24     |        |    | 65                                                                                  |
| I5397 |        | 20                                                                                | 27     |        | 70     |        |    |                                                                                     |
| I5398 |        | 22                                                                                | 35     | 30     | 25     |        | 22 | 75                                                                                  |
|       |        |                                                                                   |        |        |        |        | 80 |                                                                                     |



- MM - 12 PT.



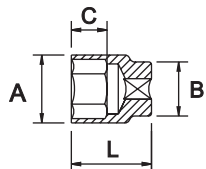
N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |    |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|----|
| I5399 | SS 316 | 6                                                                                   | 28     | 18     | 11     | 13     | 6  | 35                                                                                    |    |
| I5400 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                       |    |
| I5401 |        | 8                                                                                   |        |        | 13     |        |    |                                                                                       |    |
| I5402 |        | 9                                                                                   |        |        | 14     |        |    |                                                                                       |    |
| I5403 |        | 10                                                                                  | 32     | 20     | 15     | 20     | 6  | 50                                                                                    |    |
| I5404 |        | 11                                                                                  |        |        | 16     |        |    |                                                                                       |    |
| I5405 |        | 12                                                                                  |        |        | 18     |        |    |                                                                                       |    |
| I5406 |        | 13                                                                                  |        |        | 19     |        |    |                                                                                       |    |
| I5407 |        | 14                                                                                  |        |        | 20     |        |    |                                                                                       |    |
| I5408 |        | 15                                                                                  |        |        | 22     |        |    |                                                                                       |    |
| I5409 |        | 16                                                                                  |        |        | 23     | 24     |    | 55                                                                                    |    |
| I5410 |        | 17                                                                                  |        |        | 24     |        |    | 60                                                                                    |    |
| I5411 |        | 19                                                                                  |        |        | 26     |        |    | 65                                                                                    |    |
| I5412 |        | 20                                                                                  |        |        | 27     |        |    | 70                                                                                    |    |
| I5413 |        | 22                                                                                  | 35     | 30     | 25     | 22     |    | 75                                                                                    | 80 |



■ 3/8"

■ INCH - 6 PT.

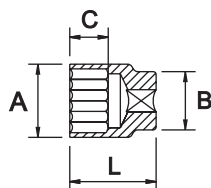




| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|------------------------------------------------------------------------------------|--|
| I5414 | SS 316 | 1/4                                                                               | 28     | 18     | 11     | 13     | 6  | 35                                                                                 |  |
| I5415 |        | 5/16                                                                              |        |        | 13     |        |    |                                                                                    |  |
| I5416 |        | 3/8                                                                               |        |        | 15     |        |    |                                                                                    |  |
| I5417 |        | 7/16                                                                              | 20     | 16     | 20     | 50     |    |                                                                                    |  |
| I5418 |        | 1/2                                                                               |        | 19     |        |        |    |                                                                                    |  |
| I5419 |        | 9/16                                                                              | 21     | 20     |        | 60     |    |                                                                                    |  |
| I5420 |        | 5/8                                                                               | 23     | 21     |        |        |    |                                                                                    |  |
| I5421 |        | 11/16                                                                             | 24     | 24     |        |        |    | 65                                                                                 |  |
| I5422 |        | 3/4                                                                               | 26     |        |        |        |    | 70                                                                                 |  |
| I5423 |        | 13/16                                                                             | 27     |        |        |        |    | 75                                                                                 |  |
| I5424 |        | 1                                                                                 | 30     | 25     | 22     | 80     |    |                                                                                    |  |



■ INCH - 12 PT.





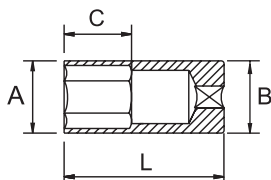
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|--------------------------------------------------------------------------------------|
| I5425 | SS 316 | 1/4                                                                                 | 28     | 18     | 11     | 13     | 12 | 35                                                                                   |
| I5426 |        | 5/16                                                                                |        |        | 13     |        |    |                                                                                      |
| I5427 |        | 3/8                                                                                 |        |        | 15     |        |    |                                                                                      |
| I5428 |        | 7/16                                                                                | 20     | 16     | 20     | 50     |    |                                                                                      |
| I5429 |        | 1/2                                                                                 |        | 19     |        |        |    |                                                                                      |
| I5430 |        | 9/16                                                                                |        | 21     |        |        |    | 20                                                                                   |
| I5431 |        | 5/8                                                                                 | 32     | 23     | 21     | 60     |    |                                                                                      |
| I5432 |        | 11/16                                                                               |        | 24     | 20     |        |    | 65                                                                                   |
| I5433 |        | 3/4                                                                                 |        | 26     |        |        |    | 24                                                                                   |
| I5434 |        | 13/16                                                                               | 27     | 22     |        | 75     |    |                                                                                      |
| I5435 |        | 1                                                                                   | 30     |        | 25     | 80     |    |                                                                                      |



■ 3/8"

■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

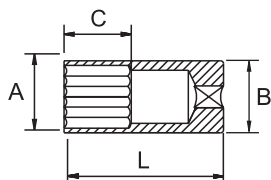
■ MM - 6 PT.



| N!    |        |                                                                                   |        |        |        |        |    |                                                                                     |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
| I5436 | SS 316 | 6                                                                                 | 60     | 18     | 11     | 13     | 6  | 90                                                                                  |
| I5437 |        | 7                                                                                 |        |        | 12     |        |    |                                                                                     |
| I5438 |        | 8                                                                                 |        |        | 13     |        |    |                                                                                     |
| I5439 |        | 9                                                                                 |        | 14     | 20     | 13     |    | 95                                                                                  |
| I5440 |        | 10                                                                                |        | 15     |        |        |    |                                                                                     |
| I5441 |        | 11                                                                                |        | 16     |        |        |    |                                                                                     |
| I5442 |        | 12                                                                                |        | 18     | 100    |        |    |                                                                                     |
| I5443 |        | 13                                                                                |        | 19     |        | 105    |    |                                                                                     |
| I5444 |        | 14                                                                                |        | 20     |        |        |    |                                                                                     |
| I5445 |        | 15                                                                                |        | 21     | 110    |        |    |                                                                                     |
| I5446 |        | 16                                                                                |        | 22     |        | 115    |    |                                                                                     |
| I5447 |        | 17                                                                                |        | 23     |        |        |    | 120                                                                                 |
| I5448 |        | 19                                                                                |        | 24     | 125    |        |    |                                                                                     |
| I5449 |        | 20                                                                                |        | 26     |        | 20     |    |                                                                                     |
| I5450 |        | 22                                                                                |        | 27     |        |        |    | 24                                                                                  |
|       |        | 30                                                                                | 25     | 22     | 150    |        |    |                                                                                     |



■ MM - 12 PT.

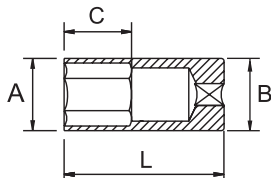


| N!    |        |                                                                                     |        |        |        |        |    |                                                                                       |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|
| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
| I5451 | SS 316 | 6                                                                                   | 60     | 18     | 11     | 13     | 12 | 90                                                                                    |
| I5452 |        | 7                                                                                   |        |        | 12     |        |    |                                                                                       |
| I5453 |        | 8                                                                                   |        |        | 13     |        |    |                                                                                       |
| I5454 |        | 9                                                                                   |        | 14     | 20     | 95     |    |                                                                                       |
| I5455 |        | 10                                                                                  |        | 15     |        |        |    |                                                                                       |
| I5456 |        | 11                                                                                  |        | 16     | 100    |        |    |                                                                                       |
| I5457 |        | 12                                                                                  |        | 18     |        |        |    |                                                                                       |
| I5458 |        | 13                                                                                  |        | 19     | 105    |        |    |                                                                                       |
| I5459 |        | 14                                                                                  |        | 21     |        | 20     |    |                                                                                       |
| I5460 |        | 15                                                                                  |        | 22     | 21     | 110    |    |                                                                                       |
| I5461 |        | 16                                                                                  |        | 23     |        |        |    |                                                                                       |
| I5462 |        | 17                                                                                  |        | 24     |        | 20     |    | 115                                                                                   |
| I5463 |        | 19                                                                                  |        | 26     | 24     |        |    |                                                                                       |
| I5464 |        | 20                                                                                  |        | 27     | 25     |        |    | 120                                                                                   |
| I5465 |        | 22                                                                                  |        | 30     |        | 22     |    |                                                                                       |



■ 3/8"

■ INCH - 6 PT.

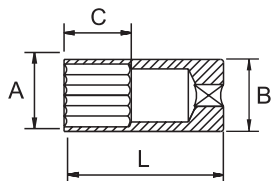




| COD.  | MAT.   | <div> <div>↓</div> <div>AF</div> <div>↑</div> </div> mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | <div>g</div>  |
|-------|--------|---------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------------------|
| I5466 | SS 316 | 1/4                                                     | 60     | 18     | 11     | 13     | 6  | 90                                                                                              |
| I5467 |        | 5/16                                                    |        |        | 13     |        |    | 95                                                                                              |
| I5468 |        | 3/8                                                     |        |        | 15     |        |    | 100                                                                                             |
| I5469 |        | 7/16                                                    |        | 20     | 16     | 20     |    | 110                                                                                             |
| I5470 |        | 1/2                                                     |        |        | 19     |        |    |                                                                                                 |
| I5471 |        | 9/16                                                    |        | 21     | 20     | 24     |    | 120                                                                                             |
| I5472 |        | 5/8                                                     |        | 23     | 21     |        |    | 125                                                                                             |
| I5473 |        | 11/16                                                   |        | 24     | 24     |        |    | 140                                                                                             |
| I5474 |        | 3/4                                                     |        | 26     |        |        |    | 145                                                                                             |
| I5475 |        | 13/16                                                   |        | 27     |        |        |    |                                                                                                 |
| I5476 |        | 1                                                       |        | 30     | 25     | 22     |    | 150                                                                                             |



■ INCH - 12 PT.



|  | COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-----------------------------------------------------------------------------------|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|
|                                                                                   | I5477 | SS 316 | 1/4                                                                                 | 60     | 18     | 11     | 13     | 12 | 90                                                                                    |
|                                                                                   | I5478 |        | 5/16                                                                                |        |        | 13     |        |    |                                                                                       |
|                                                                                   | I5479 |        | 3/8                                                                                 |        |        | 15     |        |    |                                                                                       |
|                                                                                   | I5480 |        | 7/16                                                                                |        | 16     | 100    |        |    |                                                                                       |
|                                                                                   | I5481 |        | 1/2                                                                                 |        | 19     |        |        |    |                                                                                       |
|                                                                                   | I5482 |        | 9/16                                                                                |        | 21     | 20     | 110    |    |                                                                                       |
|                                                                                   | I5483 |        | 5/8                                                                                 |        | 23     | 21     | 120    |    |                                                                                       |
|                                                                                   | I5484 |        | 11/16                                                                               |        | 24     | 24     | 20     |    | 125                                                                                   |
|                                                                                   | I5485 |        | 3/4                                                                                 |        | 26     |        |        |    | 140                                                                                   |
|                                                                                   | I5486 |        | 13/16                                                                               |        | 27     |        |        |    | 145                                                                                   |
|                                                                                   | I5487 |        | 1                                                                                   | 30     | 25     | 22     | 150    |    |                                                                                       |



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

| COD.  | MAT.   | AF inch | L (mm) | g   |
|-------|--------|---------|--------|-----|
| I5488 | SS 316 | 3/8     | 200    | 290 |



**ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEIL / ADATTATORE / REDUTOR / АДАПТЕР**

| COD.  | MAT.   | 3/8" - 1/2" | g  |
|-------|--------|-------------|----|
| I5489 | SS 316 | 3/8" - 1/2" | 60 |



ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ

N!

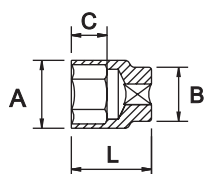
| COD.  | MAT.   | AF inch | L (inch) | 9   |
|-------|--------|---------|----------|-----|
| I5490 | SS 316 | 3/8     | 3        | 40  |
| I5491 |        |         | 8        | 160 |



1/2"

STANDARD

MM - 6 PT.

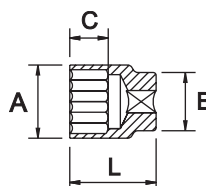


N!

| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | 9   |
|-------|--------|-------|--------|--------|--------|--------|----|-----|
| I5492 | SS 316 | 6     | 40     | 24     | 13     | 18     | 6  | 75  |
| I5493 |        | 7     |        |        | 14     |        |    |     |
| I5494 |        | 8     |        |        | 15     |        |    |     |
| I5495 |        | 9     |        |        | 16     |        |    |     |
| I5496 |        | 10    |        |        | 17     |        |    |     |
| I5497 |        | 11    |        |        | 18     |        |    |     |
| I5498 |        | 12    |        |        | 19     |        |    |     |
| I5499 |        | 13    |        |        | 20     |        |    |     |
| I5500 |        | 14    |        |        | 21     |        |    |     |
| I5501 |        | 15    | 42     | 25     | 23     | 22     | 6  | 95  |
| I5502 |        | 16    |        |        | 24     |        |    |     |
| I5503 |        | 17    |        |        | 25     |        |    |     |
| I5504 |        | 18    |        |        | 26     |        |    |     |
| I5505 |        | 19    |        |        | 28     |        |    |     |
| I5506 |        | 20    |        |        | 29     |        |    |     |
| I5507 |        | 21    |        |        | 30     |        |    |     |
| I5508 |        | 22    |        |        | 31     |        |    |     |
| I5509 |        | 23    |        |        | 33     |        |    |     |
| I5510 |        | 24    |        |        | 34     |        |    |     |
| I5511 |        | 25    |        |        | 36     |        |    |     |
| I5512 |        | 26    |        |        | 37     |        |    |     |
| I5513 |        | 27    |        |        | 38     |        |    |     |
| I5514 |        | 28    |        |        | 39     |        |    |     |
| I5515 |        | 29    |        |        | 41     |        |    |     |
| I5516 |        | 30    |        |        | 42     |        |    |     |
| I5517 |        | 32    |        |        | 43     |        |    |     |
| I5907 |        | 34    | 50     | 50     | 36     | 25     | 6  | 400 |
| I5518 |        | 36    |        |        |        |        |    |     |



MM - 12 PT.



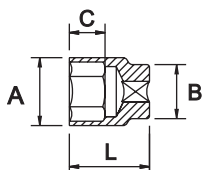
N!

| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | 9  |
|-------|--------|-------|--------|--------|--------|--------|----|----|
| I5519 | SS 316 | 6     | 40     | 24     | 13     | 18     | 12 | 75 |
| I5520 |        | 7     |        |        | 14     |        |    |    |
| I5521 |        | 8     |        |        | 15     |        |    |    |
| I5522 |        | 9     |        |        | 16     |        |    |    |



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|--|--|--|
| I5523 | SS 316 | 10                                                                                | 40     | 24     | 17     | 18     | 12 | 80                                                                                  |  |  |  |
| I5524 |        | 11                                                                                |        |        | 18     |        |    |                                                                                     |  |  |  |
| I5525 |        | 12                                                                                |        |        | 19     |        |    |                                                                                     |  |  |  |
| I5526 |        | 13                                                                                |        |        | 20     |        |    |                                                                                     |  |  |  |
| I5527 |        | 14                                                                                |        |        | 21     |        |    |                                                                                     |  |  |  |
| I5528 |        | 15                                                                                | 42     | 25     | 23     | 22     | 12 | 95                                                                                  |  |  |  |
| I5529 |        | 16                                                                                |        |        | 24     |        |    |                                                                                     |  |  |  |
| I5530 |        | 17                                                                                |        |        | 26     |        |    |                                                                                     |  |  |  |
| I5531 |        | 18                                                                                |        |        | 25     |        |    |                                                                                     |  |  |  |
| I5532 |        | 19                                                                                |        |        | 28     |        |    |                                                                                     |  |  |  |
| I5533 |        | 20                                                                                |        |        | 29     |        |    |                                                                                     |  |  |  |
| I5534 |        | 21                                                                                | 43     |        | 30     | 22     |    | 110                                                                                 |  |  |  |
| I5535 |        | 22                                                                                |        |        | 31     |        |    |                                                                                     |  |  |  |
| I5536 |        | 23                                                                                |        |        | 33     |        |    |                                                                                     |  |  |  |
| I5537 |        | 24                                                                                |        |        | 34     |        |    |                                                                                     |  |  |  |
| I5538 |        | 25                                                                                |        |        | 36     |        |    |                                                                                     |  |  |  |
| I5539 |        | 26                                                                                |        |        | 37     |        |    |                                                                                     |  |  |  |
| I5540 |        | 27                                                                                | 46     |        | 38     | 25     |    | 120                                                                                 |  |  |  |
| I5541 |        | 28                                                                                |        |        | 39     |        |    |                                                                                     |  |  |  |
| I5542 |        | 29                                                                                |        |        | 41     |        |    |                                                                                     |  |  |  |
| I5543 |        | 30                                                                                |        |        | 42     |        |    |                                                                                     |  |  |  |
| I5544 |        | 32                                                                                |        |        | 43     |        |    |                                                                                     |  |  |  |
| I5908 |        | 34                                                                                | 50     | 50     | 36     | 25     | 12 | 125                                                                                 |  |  |  |
| I5545 |        | 36                                                                                |        |        |        |        |    |                                                                                     |  |  |  |
| I5545 |        | 36                                                                                |        |        |        |        |    |                                                                                     |  |  |  |

#### INCH - 6 PT.

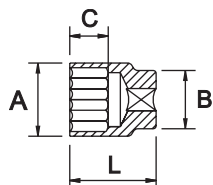


| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g   |
|-------|--------|---------|--------|--------|--------|--------|----|-----|
| I5546 | SS 316 | 1/4     | 40     | 24     | 13     | 18     | 6  | 75  |
| I5547 |        | 5/16    |        |        | 15     |        |    |     |
| I5548 |        | 3/8     |        |        | 17     |        |    |     |
| I5549 |        | 7/16    |        |        | 18     |        |    |     |
| I5550 |        | 1/2     |        |        | 20     |        |    |     |
| I5551 |        | 9/16    | 42     | 25     | 21     | 22     | 6  | 80  |
| I5552 |        | 19/32   |        |        | 23     |        |    |     |
| I5553 |        | 5/8     |        |        | 24     |        |    |     |
| I5554 |        | 11/16   |        |        | 25     |        |    |     |
| I5555 |        | 3/4     | 43     | 28     | 26     | 25     | 6  | 95  |
| I5556 |        | 25/32   |        |        | 29     |        |    |     |
| I5557 |        | 13/16   |        |        | 31     |        |    |     |
| I5558 |        | 7/8     |        |        | 34     |        |    |     |
| I5559 |        | 15/16   |        |        | 36     |        |    |     |
| I5560 |        | 1       | 46     | 30     | 38     | 22     | 6  | 110 |
| I5561 |        | 1.1/16  |        |        | 41     |        |    |     |
| I5562 |        | 1.1/8   |        |        | 42     |        |    |     |
| I5563 |        | 1.3/16  |        |        | 43     |        |    |     |
| I5564 |        | 1.1/4   | 50     | 50     | 36     | 25     | 6  | 120 |
| I5565 |        | 1.7/16  |        |        |        |        |    |     |



■ 1/2"

■ INCH - 12 PT.

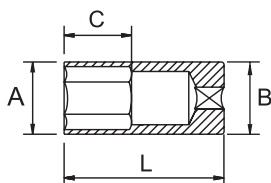


| COD.  | MAT.   | AF <sup>inch</sup> | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g   |
|-------|--------|--------------------|--------|--------|--------|--------|-----|-----|
| I5566 | SS 316 | 1/4                | 40     | 24     | 13     | 18     | 80  | 75  |
| I5567 |        | 5/16               |        |        | 15     |        |     |     |
| I5568 |        | 3/8                |        |        | 17     |        |     |     |
| I5569 |        | 7/16               |        |        | 18     |        |     |     |
| I5570 |        | 1/2                |        |        | 20     |        |     |     |
| I5571 |        | 9/16               | 42     | 25     | 21     | 22     | 95  | 110 |
| I5572 |        | 19/32              |        |        | 23     |        |     |     |
| I5573 |        | 5/8                |        |        | 24     |        |     |     |
| I5574 |        | 11/16              |        |        | 25     |        |     |     |
| I5575 |        | 3/4                |        |        | 26     |        |     |     |
| I5576 |        | 25/32              |        |        | 27     |        |     |     |
| I5577 |        | 13/16              | 43     | 31     | 28     | 22     | 130 | 165 |
| I5578 |        | 7/8                |        |        | 29     |        |     |     |
| I5579 |        | 15/16              |        |        | 30     |        |     |     |
| I5580 |        | 1                  |        |        | 31     |        |     |     |
| I5581 |        | 1.1/16             |        |        | 32     |        |     |     |
| I5582 |        | 1.1/8              | 46     | 34     | 33     | 25     | 180 | 220 |
| I5583 |        | 1.3/16             |        |        | 34     |        |     |     |
| I5584 |        | 1.1/4              |        |        | 35     |        |     |     |
| I5585 |        | 1.7/16             |        |        | 36     |        |     |     |



■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

■ MM - 6 PT.

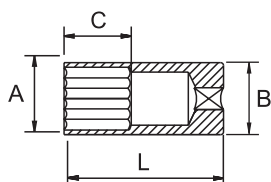


| COD.  | MAT.   | AF <sup>mm</sup> | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g   |
|-------|--------|------------------|--------|--------|--------|--------|-----|-----|
| I5586 | SS 316 | 6                | 82     | 24     | 13     | 18     | 200 | 195 |
| I5587 |        | 7                |        |        | 14     |        |     |     |
| I5588 |        | 8                |        |        | 15     |        |     |     |
| I5589 |        | 9                |        |        | 16     |        |     |     |
| I5590 |        | 10               |        |        | 17     |        |     |     |
| I5591 |        | 11               | 82     | 25     | 18     | 22     | 240 | 230 |
| I5592 |        | 12               |        |        | 19     |        |     |     |
| I5593 |        | 13               |        |        | 20     |        |     |     |
| I5594 |        | 14               |        |        | 21     |        |     |     |
| I5595 |        | 15               |        |        | 22     |        |     |     |
| I5596 |        | 16               | 82     | 26     | 23     | 25     | 250 | 240 |
| I5597 |        | 17               |        |        | 24     |        |     |     |
| I5598 |        | 18               |        |        | 25     |        |     |     |
| I5599 |        | 19               |        |        | 26     |        |     |     |
| I5600 |        | 20               |        |        | 27     |        |     |     |
| I5601 |        | 21               | 82     | 28     | 28     | 22     | 250 | 240 |
| I5602 |        | 22               |        |        | 29     |        |     |     |



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g   |
|-------|--------|-------|--------|--------|--------|--------|----|-----|
| I5603 | SS 316 | 23    | 82     | 33     | 26     | 22     | 6  | 280 |
| I5604 |        | 24    |        | 34     | 28     |        |    | 310 |
| I5605 |        | 25    |        | 36     |        |        |    | 380 |
| I5606 |        | 26    |        | 37     |        |        |    |     |
| I5607 |        | 27    |        | 38     |        |        |    | 420 |
| I5608 |        | 28    |        | 39     | 30     |        |    | 430 |
| I5609 |        | 29    |        | 41     |        |        |    | 450 |
| I5610 |        | 30    |        | 42     |        |        |    | 490 |
| I5611 |        | 32    |        | 43     | 34     |        |    | 550 |
| I5909 |        | 34    |        | 48     |        | 25     |    |     |
| I5612 |        | 36    |        | 50     | 36     | 25     |    | 750 |

#### MM - 12 PT.



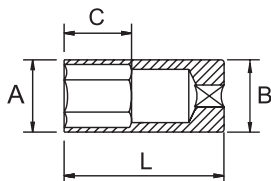
N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|------------------------------------------------------------------------------------|--------|--------|--------|--------|----|--------------------------------------------------------------------------------------|
| I5613 | SS 316 | 6                                                                                  | 82     | 24     | 13     | 18     | 12 | 195                                                                                  |
| I5614 |        | 7                                                                                  |        |        | 14     |        |    |                                                                                      |
| I5615 |        | 8                                                                                  |        |        | 15     |        |    |                                                                                      |
| I5616 |        | 9                                                                                  |        |        | 16     |        |    |                                                                                      |
| I5617 |        | 10                                                                                 |        |        | 17     |        |    |                                                                                      |
| I5618 |        | 11                                                                                 |        |        | 18     |        |    |                                                                                      |
| I5619 |        | 12                                                                                 |        |        | 19     |        |    | 200                                                                                  |
| I5620 |        | 13                                                                                 |        |        | 20     |        |    |                                                                                      |
| I5621 |        | 14                                                                                 |        |        | 21     |        |    |                                                                                      |
| I5622 |        | 15                                                                                 |        |        | 23     |        |    |                                                                                      |
| I5623 |        | 16                                                                                 |        | 25     | 24     | 22     |    | 230                                                                                  |
| I5624 |        | 17                                                                                 |        |        |        |        |    |                                                                                      |
| I5625 |        | 18                                                                                 |        | 26     | 25     |        |    |                                                                                      |
| I5626 |        | 19                                                                                 |        | 28     |        |        |    | 240                                                                                  |
| I5627 |        | 20                                                                                 |        | 29     |        |        |    |                                                                                      |
| I5628 |        | 21                                                                                 |        | 30     | 26     |        |    |                                                                                      |
| I5629 |        | 22                                                                                 |        | 31     |        |        |    |                                                                                      |
| I5630 |        | 23                                                                                 |        | 33     |        |        |    |                                                                                      |
| I5631 |        | 24                                                                                 |        | 34     | 28     |        |    |                                                                                      |
| I5632 |        | 25                                                                                 |        | 36     |        |        |    |                                                                                      |
| I5633 |        | 26                                                                                 |        | 37     |        |        |    |                                                                                      |
| I5634 |        | 27                                                                                 |        | 38     |        |        |    |                                                                                      |
| I5635 |        | 28                                                                                 |        | 39     | 30     |        |    |                                                                                      |
| I5636 |        | 29                                                                                 |        | 41     |        |        |    |                                                                                      |
| I5637 |        | 30                                                                                 |        | 42     |        |        |    |                                                                                      |
| I5638 |        | 32                                                                                 |        | 43     | 34     |        |    |                                                                                      |
| I5910 |        | 34                                                                                 |        | 48     |        | 25     |    | 750                                                                                  |
| I5639 |        | 36                                                                                 |        | 50     | 36     |        |    |                                                                                      |



■ 1/2"

■ INCH - 6 PT.

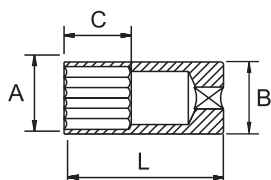




| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|--|
| I5640 | SS 316 | 1/4                                                                               | 80     | 24     | 13     | 18     | 6  | 195                                                                                 |  |
| I5641 |        | 5/16                                                                              |        |        | 15     |        |    |                                                                                     |  |
| I5642 |        | 3/8                                                                               |        |        | 17     |        |    |                                                                                     |  |
| I5643 |        | 7/16                                                                              |        |        | 18     |        |    |                                                                                     |  |
| I5644 |        | 1/2                                                                               |        |        | 20     |        |    |                                                                                     |  |
| I5645 |        | 9/16                                                                              |        | 25     | 21     | 22     | 6  | 200                                                                                 |  |
| I5646 |        | 19/32                                                                             |        |        | 23     |        |    |                                                                                     |  |
| I5647 |        | 5/8                                                                               |        |        | 24     |        |    |                                                                                     |  |
| I5648 |        | 11/16                                                                             |        |        | 25     |        |    |                                                                                     |  |
| I5649 |        | 3/4                                                                               |        |        | 28     |        |    |                                                                                     |  |
| I5650 |        | 25/32                                                                             |        | 30     | 26     | 25     |    | 230                                                                                 |  |
| I5651 |        | 13/16                                                                             |        |        | 31     |        |    |                                                                                     |  |
| I5652 |        | 7/8                                                                               |        |        | 34     |        |    |                                                                                     |  |
| I5653 |        | 15/16                                                                             |        |        | 36     |        |    |                                                                                     |  |
| I5654 |        | 1                                                                                 |        |        | 38     |        |    |                                                                                     |  |
| I5655 |        | 1.1/16                                                                            |        |        | 41     |        |    |                                                                                     |  |
| I5656 |        | 1.1/8                                                                             |        |        | 42     |        |    |                                                                                     |  |
| I5657 |        | 1.3/16                                                                            |        |        | 43     |        |    |                                                                                     |  |
| I5658 |        | 1.1/4                                                                             |        |        | 50     |        |    |                                                                                     |  |
| I5659 |        | 1.7/16                                                                            |        |        | 50     |        |    |                                                                                     |  |



■ INCH - 12 PT.





| COD.  | MAT.   | <div>  </div> | L (mm) | A (mm) | B (mm) | C (mm) | Pt | <div>  </div> |
|-------|--------|--------------------------------------------------------------------------------------------------|--------|--------|--------|--------|----|----------------------------------------------------------------------------------------------------|
| I5660 | SS 316 | 1/4                                                                                              | 80     | 24     | 13     | 18     | 12 | 195                                                                                                |
| I5661 |        | 5/16                                                                                             |        |        | 15     |        |    |                                                                                                    |
| I5662 |        | 3/8                                                                                              |        |        | 17     |        |    |                                                                                                    |
| I5663 |        | 7/16                                                                                             |        |        | 18     |        |    |                                                                                                    |
| I5664 |        | 1/2                                                                                              |        |        | 20     |        |    |                                                                                                    |
| I5665 |        | 9/16                                                                                             |        | 25     | 21     | 22     |    | 200                                                                                                |
| I5666 |        | 19/32                                                                                            |        |        | 23     |        |    |                                                                                                    |
| I5667 |        | 5/8                                                                                              |        |        | 24     |        |    |                                                                                                    |
| I5668 |        | 11/16                                                                                            |        |        | 25     |        |    |                                                                                                    |
| I5669 |        | 3/4                                                                                              |        |        | 28     |        |    |                                                                                                    |
| I5670 |        | 25/32                                                                                            |        | 30     | 26     | 25     |    | 230                                                                                                |
| I5671 |        | 13/16                                                                                            |        |        | 31     |        |    |                                                                                                    |
| I5672 |        | 7/8                                                                                              |        |        | 34     |        |    |                                                                                                    |
| I5673 |        | 15/16                                                                                            |        |        | 36     |        |    |                                                                                                    |
| I5674 |        | 1                                                                                                |        |        | 38     |        |    |                                                                                                    |
| I5675 |        | 1.1/16                                                                                           |        |        | 41     |        |    |                                                                                                    |
| I5676 |        | 1.1/8                                                                                            |        |        | 42     |        |    |                                                                                                    |
| I5677 |        | 1.3/16                                                                                           |        |        | 43     |        |    |                                                                                                    |
| I5678 |        | 1.1/4                                                                                            |        |        | 50     |        |    |                                                                                                    |



| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-------------------------------------------------------------------------------------|
| I5679 | SS 316 | 1.7/16                                                                            | 80     | 50     | 36     | 25     | 12 | 750                                                                                 |

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

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| I5680 | SS 316 | 1/2                                                                               | 250    | 700                                                                                |



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

| COD.  | MAT.   |  | L (inch) |  |
|-------|--------|-----------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------|
| I5681 | SS 316 | 1/2                                                                               | 4        | 210                                                                                |
| I5682 |        |                                                                                   | 5        | 260                                                                                |
| I5683 |        |                                                                                   | 8        | 380                                                                                |
| I5684 |        |                                                                                   | 10       | 500                                                                                |



**PUNTAS ATORNILLADORAS CON VASO / SOCKET BITS / EMBOUTS DE VISSAGE AVEC DOUILLE / STECKSCHLÜSSELEINSATZ / INSERTI A BUSSOLA / PONTAS APARAFUSADORAS COM CAIXA / ГОЛОВКИ-БИТЫ**

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| I5936 | SS 316 | 4                                                                                 | 60     | 60                                                                                 |
| I5937 |        | 5                                                                                 |        | 80                                                                                 |
| I5938 |        | 5,5                                                                               |        | 90                                                                                 |
| I5685 |        | 6                                                                                 |        | 95                                                                                 |
| I5939 |        | 7                                                                                 |        |                                                                                    |
| I5686 |        | 8                                                                                 |        | 100                                                                                |
| I5940 |        | 9                                                                                 |        | 105                                                                                |
| I5687 |        | 10                                                                                |        |                                                                                    |
| I5688 |        | 12                                                                                |        | 110                                                                                |
| I5941 |        | 14                                                                                |        | 120                                                                                |
| I5689 |        | 16                                                                                |        | 150                                                                                |
| I5690 |        | 20                                                                                |        | 210                                                                                |



**ARTICULACIÓN UNIVERSAL / UNIVERSAL JOINT / CARDAN UNIVERSEL / KARDANGELN / SNODO CARDANICO / CARDAN UNIVERSAL / ШАРНИР**

| COD.  | MAT.   |  | L (mm) |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| I5691 | SS 316 | 1/2"                                                                                | 80     | 190                                                                                  |

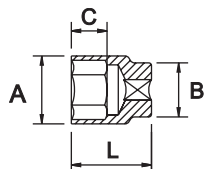


**MANGO CORREDIZO EN "T" / SLIDING "T" HANDLE / POIGNEE COULISSANTE / QUERGRIF / ASTA CON QUADRO SCORREVOLO / CABO "T" CORREDICO / ПОДВИЖНАЯ "Т" РУЧКА**

| COD.  | MAT.   |  | L (inch) |  |
|-------|--------|-------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|
| I5692 | SS 316 | 1/2                                                                                 | 10       | 340                                                                                  |
| I5911 |        | 3/4                                                                                 | 12       | 950                                                                                  |



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

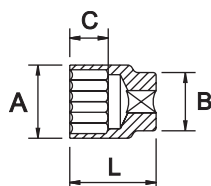


N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt   |  |    |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|------|-------------------------------------------------------------------------------------|----|--|
| I5693 | SS 316 | 17                                                                                | 50     | 38     | 28     | 22     | 6    | 250                                                                                 |    |  |
| I5694 |        | 19                                                                                |        |        | 30     |        |      |                                                                                     |    |  |
| I5695 |        | 21                                                                                |        |        | 32     |        |      |                                                                                     |    |  |
| I5696 |        | 22                                                                                |        |        | 33     |        |      |                                                                                     |    |  |
| I5697 |        | 23                                                                                | 34     | 25     | 310    |        |      |                                                                                     |    |  |
| I5698 |        | 24                                                                                | 35     |        |        |        |      |                                                                                     |    |  |
| I5699 |        | 26                                                                                | 38     |        |        |        |      |                                                                                     |    |  |
| I5700 |        | 27                                                                                | 39     |        |        |        |      |                                                                                     |    |  |
| I5701 |        | 28                                                                                | 41     | 40     | 28     | 6      | 340  |                                                                                     |    |  |
| I5702 |        | 29                                                                                | 42     |        |        |        |      |                                                                                     |    |  |
| I5703 |        | 30                                                                                | 43     |        |        |        |      |                                                                                     |    |  |
| I5704 |        | 32                                                                                | 45     |        | 30     |        | 470  |                                                                                     |    |  |
| I5705 |        | 36                                                                                | 50     | 45     |        |        |      |                                                                                     |    |  |
| I5706 |        | 38                                                                                | 55     |        |        |        |      |                                                                                     |    |  |
| I5707 |        | 41                                                                                | 58     |        |        |        |      |                                                                                     |    |  |
| I5708 |        | 46                                                                                | 65     | 32     |        |        | 750  |                                                                                     |    |  |
| I5709 |        | 50                                                                                | 70     |        |        |        |      | 70                                                                                  | 50 |  |
| I5710 |        | 55                                                                                | 75     | 75     | 35     |        | 1250 |                                                                                     |    |  |
| I5711 |        | 60                                                                                |        | 80     |        |        |      |                                                                                     |    |  |



- MM - 12 PT.



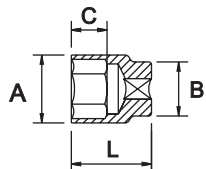
N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |      |     |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|----|---------------------------------------------------------------------------------------|------|-----|
| I5712 | SS 316 | 17                                                                                  | 50     | 38     | 28     | 22     | 12 | 250                                                                                   |      |     |
| I5713 |        | 19                                                                                  |        |        | 30     |        |    |                                                                                       |      |     |
| I5714 |        | 21                                                                                  |        |        | 32     |        |    |                                                                                       |      |     |
| I5715 |        | 22                                                                                  |        |        | 33     |        |    | 270                                                                                   |      |     |
| I5716 |        | 23                                                                                  | 34     | 25     |        |        |    |                                                                                       |      |     |
| I5717 |        | 24                                                                                  | 40     |        | 35     | 310    |    |                                                                                       |      |     |
| I5718 |        | 26                                                                                  |        |        | 38     |        |    |                                                                                       |      |     |
| I5719 |        | 27                                                                                  |        |        | 39     |        |    |                                                                                       |      |     |
| I5720 |        | 28                                                                                  |        | 41     | 40     | 28     | 12 | 340                                                                                   |      |     |
| I5721 |        | 29                                                                                  | 42     |        |        |        |    |                                                                                       |      |     |
| I5722 |        | 30                                                                                  | 43     | 43     |        |        |    |                                                                                       |      |     |
| I5723 |        | 32                                                                                  | 60     | 45     | 45     | 30     |    | 470                                                                                   |      |     |
| I5724 |        | 36                                                                                  |        | 50     |        |        |    |                                                                                       | 500  |     |
| I5725 |        | 38                                                                                  |        | 55     |        |        |    |                                                                                       | 550  |     |
| I5726 |        | 41                                                                                  |        | 48     |        |        |    |                                                                                       | 650  |     |
| I5727 |        | 46                                                                                  | 65     | 50     | 32     |        |    | 750                                                                                   |      |     |
| I5728 |        | 50                                                                                  |        |        |        |        |    |                                                                                       | 70   | 900 |
| I5729 |        | 55                                                                                  | 75     |        | 75     | 35     |    | 1250                                                                                  |      |     |
| I5730 |        | 60                                                                                  |        |        | 80     |        |    |                                                                                       | 1450 |     |



■ 3/4"

■ INCH - 6 PT.

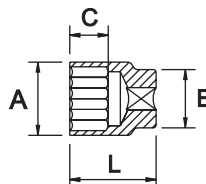


N!

| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g    |
|-------|--------|---------|--------|--------|--------|--------|----|------|
| I5731 | SS 316 | 3/4     | 50     |        | 31     |        |    |      |
| I5732 |        | 13/16   |        | 38     | 32     |        |    | 270  |
| I5733 |        | 7/8     |        |        | 33     | 25     |    |      |
| I5734 |        | 15/16   |        |        | 35     |        |    |      |
| I5735 |        | 1       | 55     | 40     | 37     |        |    | 310  |
| I5736 |        | 1.1/16  |        |        | 39     |        |    |      |
| I5737 |        | 1.1/8   |        | 42     | 40     | 28     |    | 340  |
| I5738 |        | 1.3/16  |        | 43     | 43     |        |    | 350  |
| I5739 |        | 1.1/4   |        | 45     | 45     |        |    | 470  |
| I5740 |        | 1.7/16  | 60     |        |        | 30     | 6  |      |
| I5741 |        | 1.1/2   |        |        | 46     |        |    | 550  |
| I5742 |        | 1.9/16  |        | 55     |        |        |    |      |
| I5743 |        | 1.5/8   |        |        | 48     |        |    | 650  |
| I5744 |        | 1.3/4   | 65     |        |        | 32     |    |      |
| I5745 |        | 1.13/16 |        | 65     |        |        |    | 750  |
| I5746 |        | 1.7/8   |        |        |        |        |    |      |
| I5747 |        | 2       | 70     | 70     | 50     |        |    | 900  |
| I5748 |        | 2.3/16  | 75     | 75     |        | 35     |    | 1250 |
| I5749 |        | 2.3/8   |        | 80     |        |        |    | 1400 |



■ INCH - 12 PT.



N!

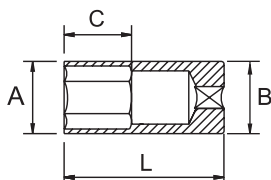
| COD.  | MAT.   | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g    |
|-------|--------|---------|--------|--------|--------|--------|----|------|
| I5750 | SS 316 | 3/4     | 50     |        | 31     |        |    |      |
| I5751 |        | 13/16   |        | 38     | 32     |        |    | 270  |
| I5752 |        | 7/8     |        |        | 33     | 25     |    |      |
| I5753 |        | 15/16   |        |        | 35     |        |    |      |
| I5754 |        | 1       | 55     | 40     | 37     |        |    | 310  |
| I5755 |        | 1.1/16  |        |        | 39     |        |    |      |
| I5756 |        | 1.1/8   |        | 42     | 40     | 28     |    | 340  |
| I5757 |        | 1.3/16  |        | 43     | 43     |        |    | 350  |
| I5758 |        | 1.1/4   |        | 45     | 45     |        |    | 470  |
| I5759 |        | 1.7/16  | 60     |        |        | 30     | 12 |      |
| I5760 |        | 1.1/2   |        |        | 46     |        |    | 550  |
| I5761 |        | 1.9/16  |        | 55     |        |        |    |      |
| I5762 |        | 1.5/8   |        |        | 48     |        |    | 650  |
| I5763 |        | 1.3/4   | 65     |        |        | 32     |    |      |
| I5764 |        | 1.13/16 |        | 65     |        |        |    | 750  |
| I5765 |        | 1.7/8   |        |        |        |        |    |      |
| I5766 |        | 2       | 70     | 70     | 50     |        |    | 900  |
| I5767 |        | 2.3/16  | 75     | 75     |        | 35     |    | 1250 |
| I5768 |        | 2.3/8   |        | 80     |        |        |    | 1400 |



■ 3/4"

■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

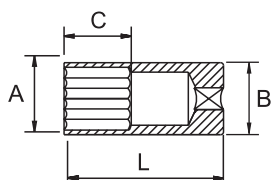
■ MM - 6 PT.



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g |
|-------|--------|-------|--------|--------|--------|--------|-----|---|
| I5769 | SS 316 | 17    | 90     | 38     | 28     | 22     | 500 |   |
| I5770 |        | 19    |        |        | 30     |        |     |   |
| I5771 |        | 21    |        |        | 32     |        |     |   |
| I5772 |        | 22    |        | 40     | 33     |        |     |   |
| I5773 |        | 23    |        |        | 34     | 25     |     |   |
| I5774 |        | 24    |        |        | 35     |        |     |   |
| I5775 |        | 26    |        |        | 38     |        |     |   |
| I5776 |        | 27    |        |        | 39     |        |     |   |
| I5777 |        | 28    |        | 41     |        |        |     |   |
| I5778 |        | 29    |        | 42     | 40     | 28     |     |   |
| I5779 |        | 30    |        | 43     | 43     |        |     |   |
| I5780 |        | 32    |        | 45     |        |        |     |   |
| I5781 |        | 36    |        | 50     | 45     | 30     |     |   |
| I5782 |        | 38    |        | 53     | 46     |        |     |   |
| I5783 |        | 41    |        | 57     | 48     |        |     |   |
| I5784 |        | 46    | 100    | 65     |        | 32     |     |   |
| I5785 |        | 50    |        | 70     |        |        |     |   |
| I5786 |        | 55    |        | 75     | 50     | 35     |     |   |
| I5787 |        | 60    |        | 80     |        |        |     |   |



■ MM - 12 PT.



| COD.  | MAT.   | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g |
|-------|--------|-------|--------|--------|--------|--------|-----|---|
| I5788 | SS 316 | 17    | 90     | 38     | 28     | 22     | 500 |   |
| I5789 |        | 19    |        |        | 30     |        |     |   |
| I5790 |        | 21    |        |        | 32     |        |     |   |
| I5791 |        | 22    |        | 40     | 33     |        |     |   |
| I5792 |        | 23    |        |        | 34     | 25     |     |   |
| I5793 |        | 24    |        |        | 35     |        |     |   |
| I5794 |        | 26    |        |        | 38     |        |     |   |
| I5795 |        | 27    |        |        | 39     |        |     |   |
| I5796 |        | 28    |        | 41     |        |        |     |   |
| I5797 |        | 29    |        | 42     | 40     | 28     |     |   |
| I5798 |        | 30    |        | 43     | 43     |        |     |   |
| I5799 |        | 32    |        | 45     |        |        |     |   |
| I5800 |        | 36    |        | 50     | 45     | 30     |     |   |
| I5801 |        | 38    |        | 55     | 46     |        |     |   |
| I5802 |        | 41    |        | 57     | 48     |        |     |   |
| I5803 |        | 46    | 100    | 65     |        | 32     |     |   |
| I5804 |        | 50    |        | 70     |        |        |     |   |
| I5805 |        | 55    |        | 75     | 50     | 35     |     |   |
| I5806 |        | 60    |        | 80     |        |        |     |   |



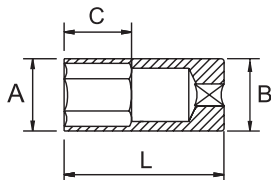
41

**HERRAMIENTA INOX**  
**INOX (STAINLESS STEEL) TOOLS**  
**OUTILLAGE INOX**  
**INOX WERKZEUGE**  
**UTENSILI INOX**  
**FERRAMENTA INOX**  
**ИНСТРУМЕНТ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ**



■ 3/4"

■ INCH - 6 PT.

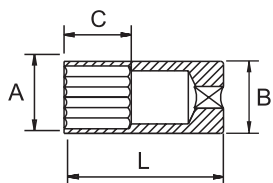


N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt   |  |     |      |     |  |  |
|-------|--------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|------|-------------------------------------------------------------------------------------|-----|------|-----|--|--|
| I5807 | SS 316 | 3/4                                                                               | 90     | 38     | 31     | 25     | 550  | 6                                                                                   |     |      |     |  |  |
| I5808 |        | 13/16                                                                             |        |        | 32     |        |      |                                                                                     |     |      |     |  |  |
| I5809 |        | 7/8                                                                               |        |        | 33     |        |      |                                                                                     |     |      |     |  |  |
| I5810 |        | 15/16                                                                             |        |        | 35     |        |      |                                                                                     |     |      |     |  |  |
| I5811 |        | 1                                                                                 |        | 40     | 37     | 30     |      |                                                                                     |     |      |     |  |  |
| I5812 |        | 1.1/16                                                                            |        |        | 39     |        |      |                                                                                     |     |      |     |  |  |
| I5813 |        | 1.1/8                                                                             |        |        | 42     |        |      |                                                                                     | 40  | 28   | 600 |  |  |
| I5814 |        | 1.3/16                                                                            |        |        | 43     |        |      |                                                                                     | 43  | 650  |     |  |  |
| I5815 |        | 1.1/4                                                                             | 100    | 45     | 45     | 30     | 1300 | 6                                                                                   | 700 |      |     |  |  |
| I5816 |        | 1.7/16                                                                            |        |        | 46     |        |      |                                                                                     |     |      |     |  |  |
| I5817 |        | 1.1/2                                                                             |        |        | 48     |        |      |                                                                                     |     |      |     |  |  |
| I5818 |        | 1.9/16                                                                            |        | 55     | 50     | 32     |      |                                                                                     |     |      |     |  |  |
| I5819 |        | 1.5/8                                                                             |        |        |        |        |      |                                                                                     |     |      |     |  |  |
| I5820 |        | 1.3/4                                                                             |        |        |        |        |      |                                                                                     |     |      |     |  |  |
| I5821 |        | 1.13/16                                                                           |        |        |        |        |      |                                                                                     |     |      |     |  |  |
| I5822 |        | 1.7/8                                                                             |        |        |        |        |      |                                                                                     |     |      |     |  |  |
| I5823 |        | 2                                                                                 | 100    | 70     | 50     | 35     | 1450 | 6                                                                                   |     |      |     |  |  |
| I5824 |        | 2.3/16                                                                            |        |        |        |        |      |                                                                                     | 75  | 1800 |     |  |  |
| I5825 |        | 2.3/8                                                                             |        |        |        |        |      |                                                                                     | 80  | 2100 |     |  |  |



■ INCH - 12 PT.



N!

| COD.  | MAT.   |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt   |  |    |      |     |  |  |
|-------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|--------|------|---------------------------------------------------------------------------------------|----|------|-----|--|--|
| I5826 | SS 316 | 3/4                                                                                 | 90     | 38     | 31     | 25     | 550  |                                                                                       |    |      |     |  |  |
| I5827 |        | 13/16                                                                               |        |        | 32     |        |      |                                                                                       |    |      |     |  |  |
| I5828 |        | 7/8                                                                                 |        |        | 33     |        |      |                                                                                       |    |      |     |  |  |
| I5829 |        | 15/16                                                                               |        |        | 35     |        |      |                                                                                       |    |      |     |  |  |
| I5830 |        | 1                                                                                   |        | 40     | 37     | 30     |      |                                                                                       |    |      |     |  |  |
| I5831 |        | 1.1/16                                                                              |        |        | 39     |        |      |                                                                                       |    |      |     |  |  |
| I5832 |        | 1.1/8                                                                               |        |        | 42     |        |      |                                                                                       | 40 | 28   | 600 |  |  |
| I5833 |        | 1.3/16                                                                              |        |        | 43     |        |      |                                                                                       | 43 | 650  |     |  |  |
| I5834 |        | 1.1/4                                                                               | 100    | 45     | 45     | 30     | 12   | 700                                                                                   |    |      |     |  |  |
| I5835 |        | 1.7/16                                                                              |        |        | 46     |        |      |                                                                                       |    |      |     |  |  |
| I5836 |        | 1.1/2                                                                               |        |        | 48     |        |      | 950                                                                                   |    |      |     |  |  |
| I5837 |        | 1.9/16                                                                              |        | 55     | 50     | 32     |      |                                                                                       |    |      |     |  |  |
| I5838 |        | 1.5/8                                                                               |        |        |        |        |      |                                                                                       |    |      |     |  |  |
| I5839 |        | 1.3/4                                                                               |        |        |        |        |      |                                                                                       |    |      |     |  |  |
| I5840 |        | 1.13/16                                                                             |        |        |        |        |      |                                                                                       |    |      |     |  |  |
| I5841 |        | 1.7/8                                                                               |        |        |        |        |      |                                                                                       |    |      |     |  |  |
| I5842 |        | 2                                                                                   | 100    | 70     | 50     | 35     | 1450 | 6                                                                                     |    |      |     |  |  |
| I5843 |        | 2.3/16                                                                              |        |        |        |        |      |                                                                                       | 75 | 1800 |     |  |  |
| I5844 |        | 2.3/8                                                                               |        |        |        |        |      |                                                                                       | 80 | 2100 |     |  |  |



ALARGADERA / EXTENSION / RALLONGE / VERLÄNGERUNG / PROLUNGA / EXTENCAO / УДЛИНИТЕЛЬ

| COD.  | MAT.   | AF<br>inch<br>inch | L (inch) | g   |
|-------|--------|--------------------|----------|-----|
| I5845 | SS 316 | 3/4                | 4        | 330 |
| I5846 |        |                    | 8        | 700 |
| I5847 |        |                    | 10       | 900 |



LLAVES ESPECIALES / SPECIAL WRENCHES / CLÉS SPÉCIALES / SPEZIELL ZANGEN / CHIAVI SPECIALI / CHAVES ESPECIAIS / КЛЮЧИ СПЕЦИАЛЬНЫЕ

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

| COD.  | MAT.   | CAP. (mm) | L (mm) | g   |
|-------|--------|-----------|--------|-----|
| I5971 | SS 316 | 19-50     | 160    | 105 |
| I5977 |        | 35-60     | 190    | 150 |
| I5912 |        | 50-65     |        |     |
| I5972 |        | 32-75     | 210    | 230 |
| I5848 |        | 50-120    | 290    | 450 |
| I5913 |        | 90-155    | 330    | 650 |



LLAVE DE GANCHO CON PIN ARTICULADA / ADJUSTABLE HOOK SPANNER WITH PIN / CLÉ À ERGOT ARTICULÉE AVEC CROCHET / VERSTELLBARE HAKENSCHLÜSSEL MIT PIN / CHIAVE A SETTORE ARTICOLATA CON PIN / CHAVES DE UNHA ARTICULADA COM PIN / КЛЮЧ-КРЮК С ШАРНИРОМ

| COD.  | MAT.   | CAP. (mm) | L (mm) | g   |
|-------|--------|-----------|--------|-----|
| I5973 | SS 316 | 19-35     | 160    | 115 |
| I5974 |        | 35-50     | 210    | 230 |



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

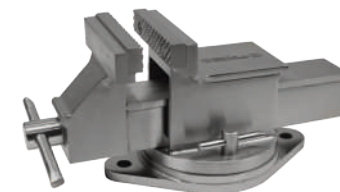
| COD.  | MAT.   | L (mm) | CAP. Ø (mm) | CAP. Ø (inch)  | g   |
|-------|--------|--------|-------------|----------------|-----|
| I5978 | SS 316 | 135    | 30-32       | 1.3/16-1.1/4   | 60  |
| I5979 |        | 170    | 34-36       | 1.5/16-1.13/32 | 90  |
| I5980 |        |        | 40-42       | 1.9/16-1.21/32 | 100 |
| I5981 |        | 210    | 45-50       | 1.3/4-2        | 150 |
| I5982 |        |        | 52-55       | 2.1/16-2.3/16  |     |
| I5983 |        | 240    | 58-62       | 2.9/32-2.7/16  | 210 |
| I5984 |        |        | 68-75       | 2.11/16-3      | 250 |
| I5985 |        | 280    | 80-90       | 3.1/8-3.1/2    | 370 |



TORNILLO DE BANCO PARALELO / PARALLEL BENCH VICE / ÉTAU À MORS PARALLELES / PARALLELSCHRAUBSTÖCKE / Morsa da Banco Paralela / Torno de Bancada Paralelo / ТИСКИ

GIRATORIO / SWIVEL / TOURNANT / DREHBARE / Morsa Girevole / Base Giratoria / Поборothoe

| COD.  | MAT.   | inch | mm  | Kg  |
|-------|--------|------|-----|-----|
| I5918 | SS 316 | 4    | 100 | 7,0 |
| I5919 |        | 6    | 140 | 20  |
| I5920 |        | 8    | 200 | 30  |
| I5921 |        | 10   | 250 | 45  |



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

ELECTRICISTA / ELECTRICIAN / ELECTRICIEN / ELEKTRIKER / PER ELETTRICISTI / ELETRICISTA / ELETRICISTA

|  | COD.  | MAT.   | <br>mm | <br>mm | <br>mm | <br>g |
|-----------------------------------------------------------------------------------|-------|--------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                                                   | I5849 | SS 316 | 3                                                                                         | 75                                                                                        | 160                                                                                       | 45                                                                                       |
|                                                                                   | I5850 |        | 3,5                                                                                       | 100                                                                                       | 185                                                                                       |                                                                                          |
|                                                                                   | I5851 |        | 4                                                                                         |                                                                                           | 230                                                                                       | 90                                                                                       |
|                                                                                   | I5852 |        | 5                                                                                         |                                                                                           |                                                                                           |                                                                                          |
|                                                                                   | I5853 |        | 5,5                                                                                       |                                                                                           |                                                                                           |                                                                                          |
|                                                                                   | I5854 |        | 6                                                                                         | 150                                                                                       | 270                                                                                       | 110                                                                                      |
|                                                                                   | I5855 |        | 8                                                                                         | 280                                                                                       | 160                                                                                       |                                                                                          |



| COD.  | MAT.   |  mm |  mm |  mm |  g |
|-------|--------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| I5856 | SS 316 | 10                                                                                   | 200                                                                                  | 330                                                                                  | 180                                                                                   |
| I5857 |        |                                                                                      | 300                                                                                  | 430                                                                                  | 200                                                                                   |
| I5858 |        | 12                                                                                   | 200                                                                                  | 330                                                                                  | 230                                                                                   |
| I5859 |        | 14                                                                                   | 250                                                                                  | 380                                                                                  | 300                                                                                   |

■ PHILLIPS®\*

| COD.  | MAT.   |  mm |  mm |  mm |  g |
|-------|--------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| I5860 | SS 316 | PH0                                                                                  | 60                                                                                   | 145                                                                                  | 38                                                                                    |
| I5861 |        | PH1                                                                                  | 80                                                                                   | 165                                                                                  | 75                                                                                    |
| I5862 |        | PH2                                                                                  | 100                                                                                  | 220                                                                                  | 90                                                                                    |
| I5863 |        | PH3                                                                                  | 150                                                                                  | 280                                                                                  | 145                                                                                   |
| I5864 |        | PH4                                                                                  | 200                                                                                  | 330                                                                                  |                                                                                       |



■ POZIDRIV®\*

| COD.  | MAT.   |  mm |  mm |  mm |  g |
|-------|--------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| I5865 | SS 316 | PZ0                                                                                  | 50                                                                                   | 135                                                                                  | 34                                                                                    |
| I5866 |        | PZ1                                                                                  | 75                                                                                   | 160                                                                                  | 43                                                                                    |
| I5867 |        | PZ2                                                                                  | 100                                                                                  | 220                                                                                  | 80                                                                                    |
| I5868 |        | PZ3                                                                                  | 150                                                                                  | 280                                                                                  | 140                                                                                   |
| I5869 |        | PZ4                                                                                  | 200                                                                                  | 330                                                                                  | 220                                                                                   |



■ PUNTAS DE DESTORNILLADOR / BITS / EMBOUTS DE VISSAGE / BITS / INSERTI / PONTAS / БИТЫ

■ PLANA / FLAT / À FENTE / FLACH / PIATTA / PLANA / ПЛОСКАЯ

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| I5950 | SS 316 | 3 x 0,5                                                                                | 25     | 1/4                                                                                      | 4,0                                                                                     |
| I5951 |        | 4 x 0,5                                                                                |        |                                                                                          |                                                                                         |
| I5952 |        | 4,5 x 0,6                                                                              |        |                                                                                          | 4,5                                                                                     |
| I5953 |        | 5 x 0,8                                                                                |        |                                                                                          |                                                                                         |
| I5954 |        | 5,5 x 0,8                                                                              |        |                                                                                          | 5,0                                                                                     |
| I5955 |        | 6 x 1,2                                                                                |        |                                                                                          |                                                                                         |
| I5956 |        | 6,5 x 1,2                                                                              |        |                                                                                          | 6,0                                                                                     |
| I5957 |        | 8 x 1,6                                                                                |        |                                                                                          | 7,0                                                                                     |



■ PHILLIPS®\*

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| I5958 | SS 316 | PH-1                                                                                   | 25     | 1/4                                                                                      | 4,0                                                                                     |
| I5959 |        | PH-2                                                                                   |        |                                                                                          | 4,5                                                                                     |
| I5960 |        | PH-3                                                                                   |        |                                                                                          | 6,5                                                                                     |



■ POZIDRIV®\*

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| I5968 | SS 316 | PZ-1                                                                                   | 25     | 1/4                                                                                      | 4,0                                                                                     |
| I5969 |        | PZ-2                                                                                   |        |                                                                                          | 4,5                                                                                     |
| I5970 |        | PZ-3                                                                                   |        |                                                                                          | 6,5                                                                                     |



■ HEXAGONAL / HEXAGONAL / HEXAGONALE / HEXAGONAL / ESAGONALE / HEXAGONAL / ШЕСТИГРАННАЯ

| COD.  | MAT.   |  mm | L (mm) |  inch |  g |
|-------|--------|----------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| I5943 | SS 316 | 3                                                                                      | 25     | 1/4                                                                                      | 4,0                                                                                     |
| I5944 |        | 4                                                                                      |        |                                                                                          | 4,4                                                                                     |



\* Para tornillos PHILLIPS® (Marca registrada por Phillips Screw Company) / \*For screws PHILLIPS® (Phillips Screw Company registered trademark) / \*Pour vis PHILLIPS® (Marque enregistrée par Phillips Screw Company)  
 \* Para tornillos POZIDRIV® (Marca registrada por European Ind. Serv. Ltd.) / \*For screws POZIDRIV® (European Ind. Serv. Ltd. registered trademark) / \*Pour vis POZIDRIV® (Marque enregistrée par European Ind. Serv. Ltd.)

| COD.  | MAT.   | <br>mm | L (mm) | <br>inch | <br>g |
|-------|--------|-----------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| I5945 | SS 316 | 4,5                                                                                     | 25     | 1/4                                                                                       | 4,7                                                                                      |
| I5946 |        | 5                                                                                       |        |                                                                                           | 5,0                                                                                      |
| I5947 |        | 5,5                                                                                     |        |                                                                                           | 5,5                                                                                      |
| I5948 |        | 6                                                                                       |        |                                                                                           | 6,0                                                                                      |
| I5949 |        | 6,5                                                                                     |        |                                                                                           | 6,5                                                                                      |

**TORX®**

| COD.  | MAT.   | <br>mm | L (mm) | <br>inch | <br>g |
|-------|--------|-----------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| I5961 | SS 316 | T-10                                                                                    | 25     | 1/4                                                                                       | 3,5                                                                                      |
| I5962 |        | T-15                                                                                    |        |                                                                                           | 3,8                                                                                      |
| I5963 |        | T-20                                                                                    |        |                                                                                           | 4,0                                                                                      |
| I5964 |        | T-25                                                                                    |        |                                                                                           | 4,7                                                                                      |
| I5965 |        | T-27                                                                                    |        |                                                                                           | 5,0                                                                                      |
| I5966 |        | T-30                                                                                    |        |                                                                                           | 5,0                                                                                      |
| I5967 |        | T-40                                                                                    |        |                                                                                           | 6,5                                                                                      |



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

| COD.  | MAT.   | L (mm)   | <br>O.D.<br>mm | <br>g |
|-------|--------|----------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| I5870 | SS 316 | 16 x 160 | 16                                                                                              | 230                                                                                      |
| I5871 |        | 18 x 200 | 18                                                                                              | 380                                                                                      |
| I5872 |        | 24 x 300 | 24                                                                                              | 1000                                                                                     |
| I5873 |        | 25 x 400 | 25                                                                                              | 1500                                                                                     |
| I5874 |        | 30 x 500 | 30                                                                                              | 2750                                                                                     |



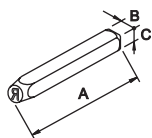
**BOTADORES CILÍNDRICOS / PIN PUNCHES / CHASSES GOUPILLES / DURCHSCHLÄGER / PUNZONE CILINDRICO / PUNÇÕES CILÍNDRICOS / ПРОБОЙНИКИ**

| COD.  | MAT.   | Ø (m) | Ø 1 (mm) | L (mm) | <br>g |
|-------|--------|-------|----------|--------|--------------------------------------------------------------------------------------------|
| I5875 | SS 316 | 2     | 8        | 110    | 36                                                                                         |
| I5876 |        | 3     | 9        |        | 44                                                                                         |
| I5877 |        | 4     | 10       |        | 50                                                                                         |
| I5878 |        | 5     | 11       | 115    | 65                                                                                         |
| I5879 |        | 6     | 12       |        | 80                                                                                         |
| I5880 |        | 7     | 13       | 120    | 100                                                                                        |



**JUEGOS DE GOLPE / PUNCHES / JEUX DE CLÉS À CHOC / DURCHSCHLÄGE / PUNZONI / JOGOS DE PANCADA / МЕТЧИКИ**

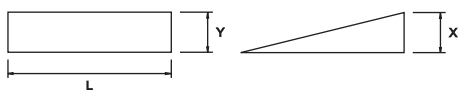
**NÚMEROS / NUMBERS / CHIFFRES / NUMMER / NUMERI / NÚMEROS / ЦИФРЫ**



| COD.  | MAT.   | Altura (mm) / Height (mm) / Hauteur (mm) | A (mm) | B (mm) | C (mm) | <br>g |
|-------|--------|------------------------------------------|--------|--------|--------|--------------------------------------------------------------------------------------------|
| I5914 | SS 316 | 5                                        | 60     | 7      | 7      | 220                                                                                        |



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



| COD.  | MAT.   | L (mm) | Y  | X  | g    |
|-------|--------|--------|----|----|------|
| I5882 | SS 316 | 80     | 13 | 6  | 25   |
| I5883 |        | 100    |    | 10 | 200  |
| I5884 |        | 150    |    | 13 | 380  |
| I5885 |        | 180    | 50 | 19 | 700  |
| I5886 |        | 200    |    | 12 | 470  |
| I5887 |        | 250    | 40 | 30 | 1250 |
| I5888 |        | 300    | 50 | 40 | 2450 |



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

| COD.  | MAT.   | L (mm)   | Kg   |
|-------|--------|----------|------|
| I5889 | SS 316 | 15 x 500 | 750  |
| I5890 |        | 19 x 500 | 1100 |
| I5891 |        | 20 x 500 | 1300 |
| I5892 |        | 23 x 500 | 1750 |
| I5893 |        | 23 x 800 | 2650 |



■ CUCHILLOS / KNIVES / COUTEAUX / MESSER / COLTELLI / FACA / НОЖИ

| COD.  | MAT.   | L (mm) | L (mm) | g   |
|-------|--------|--------|--------|-----|
| I5915 | SS 316 | 250    | 145    | 200 |



■ 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.   | g   | L (mm) |
|-------|--------|-----|--------|
| I5917 | SS 316 | 450 | 250    |



■ ARCO DE SIERRA / HACK SAW / MONTURE DE SCIE À METAUX / METALLSÄGEBÖGEN / ARCHETTI / ARCOS DE SERRA / НОЖОВКА

| COD.  | MAT.   | inch | mm  | g   |   |
|-------|--------|------|-----|-----|---|
| I5916 | SS 316 | 12"  | 300 | 800 | 1 |





## MASSILLY (France)

*Pierre Laripe*  
Team Leader

"As a team leader, I recommend this equipment that will help us improve the safety and efficiency of our maintenance operations. No more wrenches left in the machines!"