

HERRAMIENTA PARA TUBO  
PIPE TOOLS  
OUTILLAGE TUBE  
ROHR WERKZEUGE  
UTENSILI PER TUBI  
FERRAMENTA PARA TUBOS  
ТРУБНЫЙ ИНСТРУМЕНТ

# 18





### Club de Inventores Españoles

Premio a la Mejor Idea  
en Herramientas

Best Tool Award

Prix a la Meilleure Idée  
en Outils



### Medalla

Salón Internacional de la Invención

Paris 2007

### Medal

International Inventors Competition

Paris 2007

### Medaille

Salon International de l'Invention

Paris 2007



Premio Iberferr al  
Mejor Producto del Año  
2007

Best Product Award by  
Iberferr Sectorial Magazine  
2007

Prix Iberferr du Meilleur  
Produit de l'Année  
2007

La rapidez y facilidad de uso con una mano de la llave para tubo Mastergrip, con capacidad para tubos de medidas comprendidas entre 1/4" y 1.1/2" para la de 10", entre 1/2" y 2" en el caso de la de 14" y entre 3/4" y 3" para la de 18", ofrecen una sujeción ideal para empalmar con gran eficacia tubos roscados. Su especial diseño robusto permite ser empleado en trabajos pesados.

*The fast and easy one-handed operated Mastergrip provides perfect grip to fit pipes effective and efficiently. The special Heavy Duty design makes it ideal for the most demanding jobs, providing 1/4"-1.1/4" pipe capacity for the 10" version, 1/2" to 2" in the 14" version and 3/4" to 3" in the 18" version, provides also a ratchet function that makes threaded pipe fitting really efficient. Heavy duty type for the most demanding jobs.*

La rapidité et la facilité d'utilisation avec une seule main de la clé serre-tubes Mastergrip, avec une capacité pour les tubes selon des mesures comprises entre 1/4" et 1.1/2" pour celle de 10", entre 1/2" et 2" dans le cas de celle de 14" et entre 3/4" et 3" pour celle de 18", permettent une prise idéale pour raccorder avec une grande efficacité des tubes filetés. Sa conception spécialement robuste permet de l'utiliser pour des travaux durs.



1

Su exclusivo diseño geométrico de lengua y postizo con un dentado especial permiten un agarre perfecto.

*Designed with special teeth for the best pipe gripping effect.*

La géométrie exclusive de la mâchoire et du bras de levier, pourvus d'une denture spéciale, permet une prise parfaite du tube, tout en donnant un effet cliquet.

2

Mango ergonómico de fundición de precisión de inmejorable atractivo.

*Ergonomic handle in accurate casting make it unbeatably attractive.*

Manche ergonomique en fonte de précision, ayant un parfait attrait.

3

Postizo con chaveta para soportar esfuerzos en ambos sentidos.

*Heel jaw with sunk key to withstand efforts in both directions.*

Bras de levier avec un axe pour supporter des forces des deux côtés.

4

Fácil amarre del tubo con una sola mano.

*Easy one hand gripping.*

Prise aisée du tube avec une seule main.

5

Patentada.

*Patented.*

Brevetée.



1/4"



3/8"



1/2"



3/4"



1"



1.1/4"



1.1/2"



2"



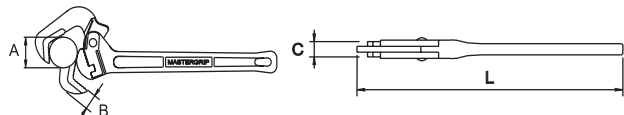
2.1/2"



3"

■ LLAVES PARA TUBO / PIPE WRENCHES / CLÉS SERRE-TUBES / EINHAND ROHRZANGE / GIRATUBI / CHAVES PARA TUBOS / ТРУБНЫЕ КЛЮЧИ

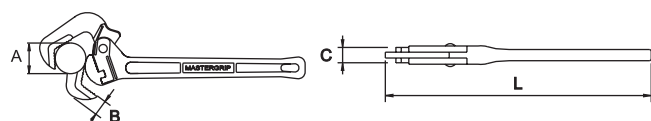
■ MASTERGRIP



| COD.  | L (inch) | A (inch)  | B (mm) | C (mm) | AF mm | Kg  |   |   |
|-------|----------|-----------|--------|--------|-------|-----|---|---|
| 61405 | 10       | 1/4-1.1/2 | 15     | 26     | 13-46 | 0,9 | 1 | • |
| 61406 | 14       | 1/2-2     | 23     | 33     | 17-50 | 1,6 |   |   |



● | Patente mundial / World patent / Brevet mondial



| COD.  | L (inch) | A (inch) | B (mm) | C (mm) | AF mm | Kg  |   |   |
|-------|----------|----------|--------|--------|-------|-----|---|---|
| 61407 | 18       | 3/4-3    | 29     | 50     | 17-80 | 2,5 | 1 | • |



● | GGG-W-651-E | Patente mundial / World patent / Brevet mondial

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Aluminio / Aluminum / Aluminium

■ REPUESTOS MASTERGRIP / MASTERGRIP SPARE PARTS / PIÈCES DE RECHANGE MASTERGRIP / MASTERGRIP ERSATZTEILE / RICAMBI MASTERGRIP / COMPONENTES MASTERGRIP / ЗАПАСНЫЕ ЧАСТИ ДЛЯ MASTERGRIP

| COD.  | Descripción /<br>Description / Description              | L (inch) | COD.  | Descripción /<br>Description / Description | L (inch) | COD.  | Descripción /<br>Description / Description | L (inch) | COD.  | Descripción /<br>Description / Description | L (inch) |
|-------|---------------------------------------------------------|----------|-------|--------------------------------------------|----------|-------|--------------------------------------------|----------|-------|--------------------------------------------|----------|
| 80326 | Mordaza inferior /<br>Heel Jaw / Machoire<br>inférieure | 10       | 80327 | Lengua / Hook Jaw /<br>Bec                 | 10       | 80324 | Muelle / Spring /<br>Ressort               | 10       | 80325 | Eje / Axle / Axe                           | 10       |
| 80329 |                                                         | 14       | 80330 |                                            | 14       | 80315 |                                            | 14       | 80320 |                                            | 14       |
| 80566 |                                                         | 18       | 80567 |                                            | 18       | 80568 |                                            | 18       | 80569 |                                            | 18       |

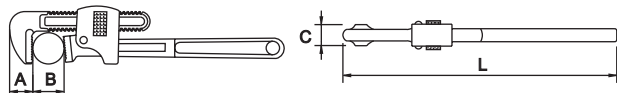
■ TUBO MÚLTIPLE PARA DEMO MASTERGRIP / MULTI-PIPE FOR MASTERGRIP DEMO / TUBE MULTIPLE POUR DÉMO MASTERGRIP / MULTI DEMO ROHR FÜR MASTERGRIP / TUBO MÚLTIPLO PARA DEMO MASTERGRIP / TUBO MÚLTIPLO PARA DEMO MASTERGRIP / ДЕМОНСТРАЦИОННАЯ ТРУБА ДЛЯ ТРУБНОГО КЛЮЧА MASTERGRIP

| COD.  | L (mm) | O.D. inch | Kg  |
|-------|--------|-----------|-----|
| 64691 | 750    | 1/2-2     | 1,8 |



■ LLAVES STILLSON / STILLSON PIPE WRENCHES / CLÉS STILLSON / STILLSON ROHRZANGE / GIRATUBI MODELLO STILLSON / CHAVES STILLSON / ТРУБНЫЕ КЛЮЧИ STILLSON

■ REFORZADA / REINFORCED / RENFORCEE / VERSTARK / RINFORZATA / REFORÇADA / УСИЛЕННЫЕ



| COD.  | L (inch) | A (mm) | B (inch) | C (mm) | Kg  |   |   |
|-------|----------|--------|----------|--------|-----|---|---|
| 61001 | 8        | 17     | 3/4      | 12     | 0,3 |   |   |
| 61002 | 10       | 23     | 1        | 16     | 0,6 |   |   |
| 61003 | 12       | 24     | 1.1/4    |        | 0,8 |   | • |
| 61004 | 14       | 28     | 1.1/2    | 21     | 1,1 | 1 |   |
| 61005 | 18       | 30     | 2        | 24     | 1,9 |   |   |
| 61006 | 24       | 39     | 2.1/2    | 27     | 3,1 |   | - |
| 61007 | 36       | 49     | 4        | 30     | 6,5 |   |   |

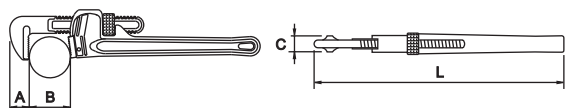


BS 3594-1 | GGG-W-00651d | UNE 16552

**REPUESTOS LLAVE STILLSON / STILLSON WRENCH SPARE PARTS / PIÉCES DE RECHANGE CLÉ STILLSON / STILLSON ROHRZANGE ERSATZTEILEN / RICAMBI CHIAVI STILLSON / COMPONENTES DE CHAVE STILSON / ЗАПАСНЫЕ ЧАСТИ ДЛЯ STILLSON**

| COD.  | Descripción / Description / Description      | L (inch) | COD.  | Descripción / Description / Description | L (inch) | COD.  | Descripción / Description / Description | L (inch) |
|-------|----------------------------------------------|----------|-------|-----------------------------------------|----------|-------|-----------------------------------------|----------|
| 80047 | Juego muelles / Spring Set / Jeu de ressorts | 8        | 80040 | Tuerca / Nut / Erou                     | 8        | 80033 | Lengua / Hook Jaw / Bec                 | 8        |
| 80048 |                                              | 10       | 80041 |                                         | 10       | 80034 |                                         | 10       |
| 80049 |                                              | 12       | 80042 |                                         | 12       | 80035 |                                         | 12       |
| 80050 |                                              | 14       | 80043 |                                         | 14       | 80036 |                                         | 14       |
| 80051 |                                              | 18       | 80044 |                                         | 18       | 80037 |                                         | 18       |
| 80052 |                                              | 24       | 80045 |                                         | 24       | 80038 |                                         | 24       |
| 80053 |                                              | 36       | 80046 |                                         | 36       | 80039 |                                         | 36       |

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



| COD.  |   | L (inch) | L (mm) | A (mm) | B (inch) | C (mm) | Kg  |   |  |
|-------|---|----------|--------|--------|----------|--------|-----|---|--|
| 61299 | - | 6        | 160    | 13     | 3/4      | 11     | 0,2 |   |  |
| 61014 |   | 8        | 200    | 15     | 1        | 14     | 0,4 |   |  |
| 61015 |   | 10       | 270    | 20     | 1.1/2    | 17     | 0,8 |   |  |
| 61016 | * | 12       | 320    | 23     | 2        | 20     | 1,3 |   |  |
| 61017 |   | 14       | 360    | 25     |          | 23     | 1,7 |   |  |
| 61018 |   | 18       | 450    | 28     | 2.1/2    | 26     | 2,6 | 1 |  |
| 61019 |   | 24       | 600    | 33     | 3        | 29     | 4,5 |   |  |
| 61020 |   | 36       | 900    | 43     | 5        | 33     | 9,5 |   |  |
| 61021 | - | 48       | 1200   | 55     | 6        | 35     | 14  |   |  |
| 61045 |   | 60       | 1300   | 85     | 8        | 41     | 20  |   |  |



\*: Fabricada en fundición nodular de precisión APC / Made of accurate ductile casting APC / Fabriquée en fonte nodulaire de précision APC

Type II | Class A | GGG-W-651-E | Modelo registrado / Registered model / Modèle enregistré

**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

60" Todas las llaves de 60" del mercado tienen una longitud inferior a su medida nominal por no ser una medida normalizada, con objeto de reducir su peso / Length of all existing 60" wrenches in the market is lower than the nominal size as they are not normalized, in order to reduce their weight / Sur le marché, toutes les clés de 60" ont une longueur inférieure que leur taille nominale puisque ce n'est pas une mesure standard, cela afin de réduire son poids

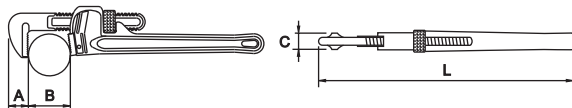
Lengua forjada móvil con effecto carraca / Floating forged hook for ratcheting action / Langue forgée mobile avec effet cliquet

Lengua graduada para un ajuste rápido / Graduated hook for quick adjustment / Langue graduée pour un réglage rapide

Mordaza inferior de aleación de acero reemplazable. Dientes sesgados, fresados con gran precisión para un óptimo agarre y mayor durabilidad / Replaceable, twice hardened alloy steel jaws. Precision-milled, biased teeth for optimum gripping and lifetime / Mâchoire inférieure d'alliage en acier remplaçable. Dents tordues, fraisées avec une grande précision pour une adhérence optimale et une plus grande durabilité

Sobrepasa las especificaciones de la norma americana GGG-W651e en un 180% / Exceeds US fed GGG-W-651e specifications by over 180% / Dépasse les caractéristiques de la norme américaine GGG-W651w à la hauteur de 180%

**LLAVE DE ALUMINIO / ALUMINIUM PIPE WRENCH / CLÉ SERRE-TUBES EN ALLIAGE D'ALUMINIUM / ALUMINIUM ROHRZANGE / GIRATUBI MODELLO AMERICANO IM ALLUMINIO / CHAVE ALUMINIO / АЛЮМИНИЕВЫЕ ТРУБНЫЕ КЛЮЧИ**



| COD.  | L (inch) | A (mm) | B (inch) | C (mm) | Kg  |   |  |
|-------|----------|--------|----------|--------|-----|---|--|
| 61044 | 10       | 20     | 1.1/2    | 17     | 0,5 |   |  |
| 61023 | 12       | 23     | 2        | 20     | 0,8 | 6 |  |
| 61024 | 14       | 25     |          | 23     | 0,9 | 3 |  |
| 61025 | 18       | 28     | 2.1/2    | 26     | 1,6 |   |  |
| 61026 | 24       | 33     | 3        | 29     | 2,5 |   |  |
| 61027 | 36       | 43     | 5        | 33     | 5,0 | 1 |  |
| 61028 | 48       | 55     | 6        | 35     | 8,1 |   |  |



**TITALUM® | Type II | Class C | GGG-W-651-E | Modelo registrado / Registered model / Modèle enregistré**

**REPUESTOS LLAVE HEAVY DUTY / HEAVY DUTY WRENCH SPARE PARTS / PIECES DE RECHANGE CLÉ HEAVY DUTY / HEAVY DUTY ROHRZANGE ERSATZTEILEN / RICAMBI CHIAVI HEAVY DUTY / COMPONENTES DE CHAVE HEAVY DUTY / ЗАПАСНЫЕ ЧАСТИ ДЛЯ КЛЮЧЕЙ ДЛЯ БОЛЬШИХ НАГРУЗОК**



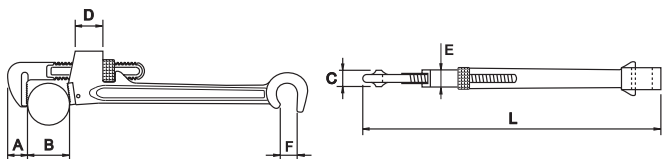
| COD.  | Descripción /<br>Description / Description      | L (inch) |
|-------|-------------------------------------------------|----------|
| 85085 |                                                 | 6        |
| 81022 |                                                 | 8        |
| 81023 |                                                 | 10       |
| 81024 |                                                 | 12       |
| 81025 | Juego muelles / Spring<br>Set / Jeu de ressorts | 14       |
| 81026 |                                                 | 18       |
| 81027 |                                                 | 24       |
| 81028 |                                                 | 36       |
| 81031 |                                                 | 48       |
| 81674 |                                                 | 60       |

| COD.  | Descripción /<br>Description / Description | L (inch) |
|-------|--------------------------------------------|----------|
| 85083 |                                            | 6        |
| 81015 |                                            | 8        |
| 81016 |                                            | 10       |
| 81017 |                                            | 12       |
| 81018 | Tuerca / Nut / Ecrou                       | 14       |
| 81019 |                                            | 18       |
| 81020 |                                            | 24       |
| 81021 |                                            | 36       |
| 81030 |                                            | 48       |
| 81672 |                                            | 60       |

| COD.  | Descripción /<br>Description / Description              | L (inch) |
|-------|---------------------------------------------------------|----------|
| 85084 |                                                         | 6        |
| 81008 |                                                         | 8        |
| 81009 |                                                         | 10       |
| 81010 |                                                         | 12       |
| 81011 | Mordaza inferior /<br>Heel Jaw / Machoire<br>inférieure | 14       |
| 81012 |                                                         | 18       |
| 81013 |                                                         | 24       |
| 81014 |                                                         | 36       |
| 81029 |                                                         | 48       |
| 81673 |                                                         | 60       |

| COD.  | Descripción /<br>Description / Description | L (inch) |
|-------|--------------------------------------------|----------|
| 85082 |                                            | 6        |
| 81001 |                                            | 8        |
| 81002 |                                            | 10       |
| 81003 |                                            | 12       |
| 81004 | Lengua / Hook Jaw /<br>Bec                 | 14       |
| 81005 |                                            | 18       |
| 81006 |                                            | 24       |
| 81007 |                                            | 36       |
| 81000 |                                            | 48       |
| 81671 |                                            | 60       |

**LLAVE REFINERÍA PARA TUBO Y VÁLVULAS / REFINERY PIPE AND VALVE WRENCH / CLÉ DE RAFFINERIE POUR TUBES ET VANNES / LEITUNG UND VENTIL SCHLÜSSEL F/ RAFFINERIE / GIRATUBO PER RAFFINERIA E VALVOLE / CHAVE DE REFINARIA PARA TUBO E VÁLVULAS / КОМБИНИРОВАННЫЙ ТРУБНЫЙ КЛЮЧ С МОЛОТКОМ И УХОМ ДЛЯ ЗАТЯЖКИ ВЕНТИЛЕЙ**

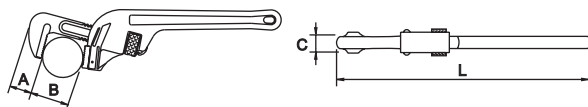


| COD.  | L (inch) | L (mm) | A (mm) | B (inch)  | C (mm) | D (mm) | E (mm) | F (mm) | F (inch) | Kg  |   |  |
|-------|----------|--------|--------|-----------|--------|--------|--------|--------|----------|-----|---|--|
| 57580 | 8        | 250    | 15     | 1/8-1     | 14     | 27     | 17     | 20     | 3/4      | 0,5 |   |  |
| 57581 | 10       |        | 20     | 1/8-1.1/2 | 17     | 32     | 20     | 13     | 1/2      | 0,8 | 1 |  |
| 57582 | 12       | 300    | 22     |           | 20     |        | 22     |        |          | 1   |   |  |



**Type II | Class A | GGG-W-651-E**

LLAVE HEAVY DUTY CURVA / OFFSET HEAVY DUTY PIPE WRENCH / CLÉ SERRE-TUBES HEAVY DUTY COUDEE / GEKRÖPFTE ROHRZANGE / GIRATUBI MODELLO AMERICANO  
CURVO / CHAVE HEAVY DUTY INCLINADA / ИЗОГНУТЫЕ ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК

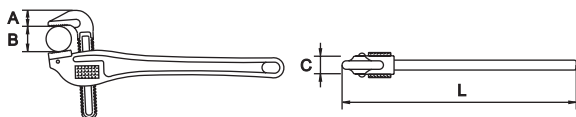


| COD.  | L (inch) | A (mm) | B (inch) | C (mm) | Kg   |   |  |
|-------|----------|--------|----------|--------|------|---|--|
| 61029 | 8        | 16     | 1        | 20     | 0,35 |   |  |
| 61030 | 10       | 20     | 1.1/2    | 23     | 0,80 | 6 |  |
| 61031 | 12       | 22     |          | 26     | 1,30 |   |  |
| 61032 | 14       | 25     | 2        | 29     | 1,54 | 5 |  |
| 61033 | 18       | 27     | 2.1/2    | 33     | 2,30 | 3 |  |
| 61034 | 24       | 31     | 3        | 35     | 4    | 1 |  |

Type VI | GGG-W-651-E



PICO PATO 90° / OFFSET PIPE WRENCH 90° / CLÉ SERRE-TUBE 90° / ROHRZANGE 90° / GIRATUBI 90° / BICO PATO 90° / ИЗОГНУТЫЕ ТРУБНЫЕ КЛЮЧИ ДЛЯ БОЛЬШИХ НАГРУЗОК 90°

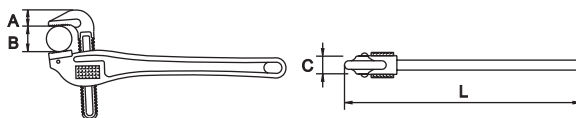


| COD.  | L (inch) | A (mm) | B (inch) | C (mm) | Kg   |   |  |
|-------|----------|--------|----------|--------|------|---|--|
| 61377 | 14       | 25     | 2        | 23     | 1,60 | 2 |  |
| 61378 | 18       | 29     | 2.1/2    | 26     | 2,70 | 1 |  |

Type II | Class A | GGG-W-651-E



PICO PATO DE ALUMINIO 90° / ALUMINIUM OFFSET PIPE WRENCH 90° / CLÉ SERRE-TUBE 90° EN ALLIAGE D'ALUMINIUM / ROHRZANGE 90° ALUMINIUM / GIRATUBI 90° IM ALLUMINIO / BICO PATO ALUMINIO 90° / АЛЮМИНИЕВЫЕ ИЗОГНУТЫЕ ТРУБНЫЕ КЛЮЧИ 90°



| COD.  | L (inch) | A (mm) | B (inch) | C (mm) | Kg  |   |  |
|-------|----------|--------|----------|--------|-----|---|--|
| 61363 | 14       | 25     | 2        | 28     | 0,8 | 6 |  |
| 61364 | 18       | 28     | 2.1/2    | 39     | 1,2 | 2 |  |
| 61365 | 24       | 34     | 3        | 42     | 2,2 | 1 |  |

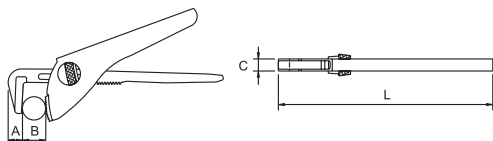
TITALLUM® | Type II | Class C | GGG-W-651-E



REPUESTOS LLAVE PICO PATO 90° / OFFSET PIPE WRENCH 90° SPARE PART / PIECES DE RECHANGE CLÉ SERRE-TUBE 90° / GEKRÖPFTE ROHRZANGE 90° ERSATZTEIL / RICAMBI GIRATUBI 90° / ACESSÓRIOS DE REPOSIÇÃO PARA CHAVE BICO DE PATO 90° / ЗАПАСНЫЕ ЧАСТИ ДЛЯ КОЛЕНЧАТОГО ТРУБНОГО КЛЮЧА

| COD.  | L (inch) | PCS. | Composición / Composition / Composition                                                                                                  |
|-------|----------|------|------------------------------------------------------------------------------------------------------------------------------------------|
| 88962 | 14       |      |                                                                                                                                          |
| 88963 | 18       | 4    | Juego muelles, Tuerca, Mordaza inferior, Lengua / Spring set, Nut, Heel jaw, Hook jaw / Jeu de ressorts, Ecrou, Mâchoire inférieure, Bec |
| 88964 | 24       |      |                                                                                                                                          |

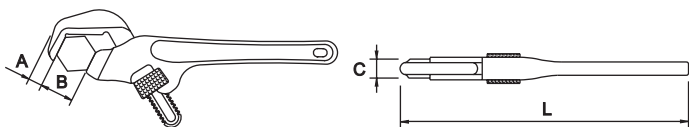
LLAVE PARA TUBO TIPO BLITZ / BLITZ TYPE PIPE WRENCH / CLÉ SERRE-TUBE TYPE BLITZ / BLITZ ROHRZANGE / GIRATUBI MODELLO BLITZ / CHAVE PARA TUBO MODELO BLITZ / ТРУБНЫЙ КЛЮЧ ТИП-BLITZ



| COD.  | L (mm) | A (mm) | B (inch) | C (mm) | Kg  |   |  |
|-------|--------|--------|----------|--------|-----|---|--|
| 61465 | 175    | 19     | 1        | 12     | 0,3 |   |  |
| 61467 | 275    | 21     | 2        | 16     | 0,8 | 6 |  |
| 61469 | 350    | 24     | 3        | 17     | 1,1 |   |  |



**LLAVE HEXAGONAL CURVA / HEXAGONAL OFFSET PIPE WRENCH / CLÉ HEXAGONALE COUDEE / GEKRÖPFTE ROHRZANGE / GIRATUBI ESAGONALE CURVO / CHAVE HEXAGONAL INCLINADA / ИЗОГНУТЫЙ ТРУБНЫЙ КЛЮЧ ДЛЯ ШЕСТИГРАННИКОВ**



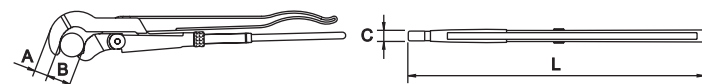
| COD.  | L (inch) | A (mm) | B (inch)    | C (mm) | Kg  |   |   |
|-------|----------|--------|-------------|--------|-----|---|---|
| 61367 | 9.1/2    | 14     | 1.1/8-2.5/8 | 9,5    | 0,7 | 6 | • |



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

**SERIE MASTER CR-V**

**LLAVE SUECA S 45° / SWEDISH PIPE WRENCH S 45° / CLÉ SERRE-TUBES SUEDOISE S 45° / ECKROHRZANGE S 45° / GIRATUBI MOD. SVEDESE S 45° / CHAVE SUECA S 45° / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ S 45°**



| COD.  | L (mm) | A (mm) | B (inch) | C (mm) | Kg  |   |   |
|-------|--------|--------|----------|--------|-----|---|---|
| 61010 | 230    | 15     | 1/2      | 8,8    | 0,4 | 4 | • |
| 61011 | 330    | 20     | 1        | 13     | 0,8 | 6 | • |
| 61012 | 420    | 26     | 1.1/2    | 14     | 1,4 | 4 | • |
| 61013 | 550    | 28     | 2        | 16     | 2,4 | 2 | - |
| 61022 | 650    | 35     | 3        | 19     | 4,2 | 2 | - |

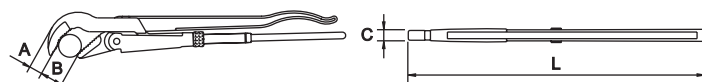
DIN 5234 | Modelo registrado / Registered model / Modèle enregistré

**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Cr-V



**LLAVE SUECA 45° / SWEDISH PIPE WRENCH 45° / CLÉ SERRE-TUBES SUEDOISE 45° / ECKROHRZANGE 45° / GIRATUBI MOD. SVEDESE 45° / CHAVE SUECA 45° / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ 45°**



| COD.  | L (mm) | A (mm) | B (inch) | C (mm) | Kg  |   |   |
|-------|--------|--------|----------|--------|-----|---|---|
| 61040 | 230    | 18     | 1/2      | 8,8    | 0,4 | 4 | • |
| 61041 | 330    | 24     | 1        | 13     | 0,7 | 6 | • |
| 61042 | 450    | 27     | 1.1/2    | 14     | 1,4 | 4 | • |
| 61043 | 550    | 33     | 2        | 16     | 2,3 | 2 | - |

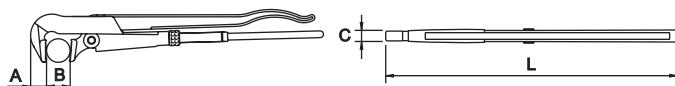
DIN 5234 | Modelo registrado / Registered model / Modèle enregistré

**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Cr-V



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



| COD.  | L (mm) | A (mm) | B (inch) | C (mm) | Kg  |   |   |
|-------|--------|--------|----------|--------|-----|---|---|
| 61046 | 320    | 18     | 1        | 15     | 0,7 | 6 | ● |
| 61047 | 430    | 20     | 1.1/2    | 18     | 1,3 | 4 |   |
| 61048 | 550    | 25     | 2        | 20     | 2,3 | 2 |   |
| 61049 | 600    | 30     | 3        |        | 3,0 |   | - |
| 61051 | 750    | 34     | 4        | 31     | 5,3 | 1 |   |

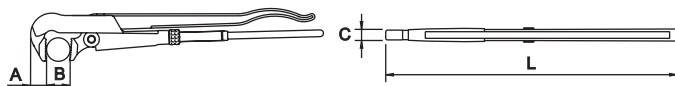
DIN 5234 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



LLAVE SUECA BOCAS DE PLÁSTICO / FITTINGS WRENCH / MACHOIRES EN PLASTIQUE / ECKROHRZANGE MIT KUNSTSTOFFBACKEN / CON GANASCE IN PLASTICA / CHAVE SUECA BOCAS DE PLASTICO / КЛЮЧ ДЛЯ ФАСОННЫХ ЧАСТЕЙ

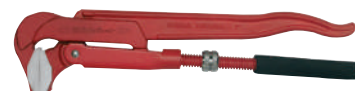


| COD.  | L (mm) | A (mm) | B (inch) | C (mm) | Kg  |   |   |       |
|-------|--------|--------|----------|--------|-----|---|---|-------|
| 61050 | 310    | 21     | 1        | 9,5    | 0,8 | 6 | ● | 64257 |

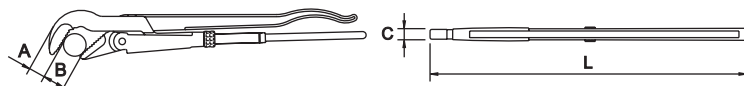
DIN 5234 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



LLAVE SUECA BOCAS RECTAS / SWEDISH PIPE WRENCH STRAIGHT JAWS / CLÉ SERRE-TUBES SUEDOISE / ECKROHRZANGE / GIRATUBI MOD. SVEDESE / CHAVE SUECA RECTA / ТРУБНЫЙ ШВЕДСКИЙ КЛЮЧ С ПРЯМЫМИ ГУБКАМИ



| COD.  | L (mm) | A (mm) | B (inch) | C (mm) | Kg  |   |   |   |
|-------|--------|--------|----------|--------|-----|---|---|---|
| 60963 | 320    | 24     | 1        | 13     | 0,7 | 6 | ● |   |
| 60964 | 420    | 27     | 1.1/2    | 14     | 1,4 | 4 |   | - |

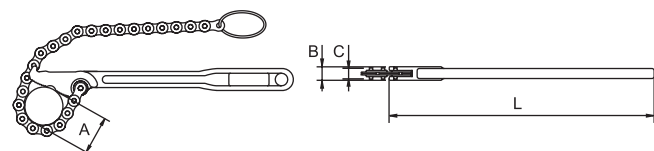
DIN 5234 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



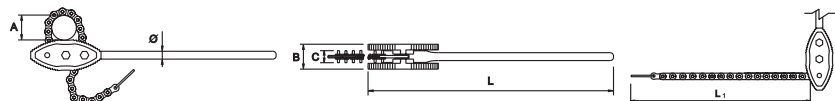
LLAVE DE CADENA REVERSIBLE / REVERSIBLE CHAIN PIPE WRENCH / CLÉ À CHAÎNE RÉVERSIBLE / KETTENROHRZANGE / CHIAVE A CATENA REVERSIBILE / CHAVE CORRENTE REVERSIVEL / РЕВЕРСИВНЫЙ ЦЕПНОЙ КЛЮЧ



| COD.  | L (mm) | L (inch) | A (inch) | B (mm) | C (mm) | Kg  |   |       |
|-------|--------|----------|----------|--------|--------|-----|---|-------|
| 61035 | 300    | 12       | 4        | 20     | 20     | 0,8 | 6 | 64038 |



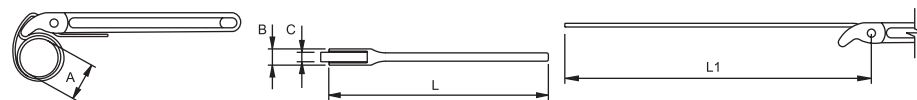
**LLAVE DE CADENA REVERSIBLE REFORZADA / HEAVY DUTY REVERSIBLE CHAIN PIPE WRENCH / CLÉ À CHAÎNE RÉVERSIBLE RENFORCÉE / VERSTÄRKTKE KETTENROHRZANGE / CHIAVE A CATENA REVERSIBILE RINFORZATA / CHAVE CORRENTE REVERSIVEL REFORÇADA / РЕВЕРСИВНЫЙ ЦЕПНОЙ КЛЮЧ ДЛЯ БОЛЬШИХ НАГРУЗОК**



| COD.  | L (mm) | L1 (mm) | A (inch) | B (mm) | C (mm) | Kg  |   |       |
|-------|--------|---------|----------|--------|--------|-----|---|-------|
| 57090 | 700    | 480     | 2.1/2    | 50     | 22     | 3,8 |   | 64760 |
| 55605 | 900    | 750     | 4        |        |        | 8,2 |   |       |
| 55606 | 950    | 600     |          | 65     |        | 7,0 |   | 55610 |
| 55608 | 1000   | 800     | 6        |        |        | 9,5 |   |       |
| 55609 | 1100   | 1100    |          |        |        | 8,3 |   | 55611 |
| 61038 | 1200   | 1050    | 8        |        | 36     | 13  |   | 64083 |
| 57093 | 1300   | 950     |          |        |        | 14  | 1 |       |
| 61039 |        | 1200    | 10       |        |        |     |   | 64084 |
| 61138 | 1400   |         | 12       |        |        | 17  |   | 64128 |
| 57094 |        | 1350    |          | 70     |        | 18  |   |       |
| 61139 | 1600   | 1500    | 16       |        |        | 21  |   | 64129 |
| 62050 |        | 2000    | 18       |        |        | 23  |   | 64906 |
| 57095 | 2200   | 1950    |          |        | 38     | 21  |   |       |
| 62051 | 1600   | 2600    | 20       |        |        | 24  |   | 64907 |



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



| COD.  | L (mm) | L (inch) | L1 (mm) | A (inch) | B (mm) | C (mm) | Kg  |   |   |       |
|-------|--------|----------|---------|----------|--------|--------|-----|---|---|-------|
| 61480 |        |          | 450     | 3        |        |        | 0,3 | 6 |   | 64035 |
| 61481 | 300    | 12       | 1000    | 8        | 43     | 27     |     |   | • | 64036 |
| 61482 |        |          | 1200    | 12       |        |        | 0,4 |   |   | 63960 |



**TERRAJAS AJUSTABLES / ADJUSTABLE THREADERS / FILIÈRES AJUSTABLES / VERSTELLBARE GEWINDESCHNEIDKLUPPE / FILIERA REGOLABILE / TARRACHAS AJUSTAVEIS / РЕГУЛИРУЕМАЯ РЕЗЬБОНАРЕЗКА**

**KITS 1/4" - 2"**

| COD.  |      | O.D. inch | Kg |   |                            |
|-------|------|-----------|----|---|----------------------------|
| 63160 | BSPT | 1/4-2     |    |   | 64338, 64339, 64340, 64341 |
| 63161 |      | 1/2-2     |    |   | 64339, 64340, 64341        |
| 63162 |      | 1/4-2     | 10 | 1 | 64342, 64343, 64344, 64345 |
| 63163 | NPT  | 1/2-2     |    |   | 64343, 64344, 64345        |



**PEINES / DIES / PEIGNES / SCHNEIDBACKEN / PETTINI / CAÇONETES / ГРЕБЕНКИ**

| COD.  |      | O.D. inch | Kg  |   |  |
|-------|------|-----------|-----|---|--|
| 64338 |      | 1/4-3/8   |     |   |  |
| 64339 | BSPT | 1/2-3/4   | 0,4 | 1 |  |
| 64340 |      | 1-1.1/4   |     |   |  |
| 64341 |      | 1.1/2-2   | 0,3 |   |  |

| COD.  |     | O.D. inch | Kg  |   |  |
|-------|-----|-----------|-----|---|--|
| 64342 |     | 1/4-3/8   |     |   |  |
| 64343 | NPT | 1/2-3/4   | 0,4 | 1 |  |
| 64344 |     | 1-1.1/4   |     |   |  |
| 64345 |     | 1.1/2-2   | 0,3 |   |  |

■ KITS 1.1/2" - 4"

| COD.  |  |  O.D.<br>inch |  Kg |  |  |
|-------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 63164 | BSPT                                                                              | 1.1/2-4                                                                                        | 22                                                                                   | 1                                                                                 | 64346, 64347, 64348                                                               |
| 63165 |                                                                                   | 2.1/2-4                                                                                        | 21                                                                                   |                                                                                   | 64347, 64348                                                                      |
| 63166 | NPT                                                                               | 1.1/2-4                                                                                        | 22                                                                                   |                                                                                   | 64349, 64350, 64351                                                               |
| 63167 |                                                                                   | 2.1/2-4                                                                                        | 21                                                                                   |                                                                                   | 64350, 64351                                                                      |



■ PEINES / DIES / PEIGNES / SCHNEIDBACKEN / PETTINI / CAÇONETES / ГРЕБЕНКИ

| COD.  |  |  O.D.<br>inch |  Kg |  |  |
|-------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 64346 | BSPT                                                                              | 1.1/2-2                                                                                        | 0,9                                                                                  | 1                                                                                 | 64349<br>64350<br>64351                                                           |
| 64347 |                                                                                   | 2.1/2-3                                                                                        |                                                                                      |                                                                                   |                                                                                   |
| 64348 |                                                                                   | 3.1/2-4                                                                                        | 0,7                                                                                  |                                                                                   |                                                                                   |
| 64349 | NPT                                                                               | 1.1/2-2                                                                                        | 0,9                                                                                  | 1                                                                                 | 64349<br>64350<br>64351                                                           |
| 64350 |                                                                                   | 2.1/2-3                                                                                        |                                                                                      |                                                                                   |                                                                                   |
| 64351 |                                                                                   | 3.1/2-4                                                                                        | 0,7                                                                                  |                                                                                   |                                                                                   |

■ TERRAJA DE CABEZAS INTERCAMBIABLES / DROP HEADS THREADERS / FILIÈRES A TÊTES INTERCHANGEABLES / SET GEWINDESCHNEIDKLUPPEN / FILIERE PER TUBI / TARRACHAS DE CABEÇAS INTERMUTAVEIS / РЕЗЬБОНАРЕЗНОЙ НАБОР

| COD.  |  |  O.D.<br>inch |  Kg |  |  |  |
|-------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 63020 | BSPT                                                                              | 1/4-1.1/4                                                                                      | 7,5                                                                                  | 59018, 59019, 63003, 63004, 63005, 63006                                          | 63000                                                                             | 51000                                                                               |
| 63021 |                                                                                   | 3/8-1.1/4                                                                                      | 7,0                                                                                  | 59019, 63003, 63004, 63005, 63006                                                 |                                                                                   |                                                                                     |
| 63022 |                                                                                   | 1/2-1.1/4                                                                                      |                                                                                      | 63003, 63004, 63005, 63006                                                        |                                                                                   |                                                                                     |
| 63023 |                                                                                   | 1/4-1                                                                                          | 6,5                                                                                  | 59018, 59019, 63003, 63004, 63005                                                 |                                                                                   |                                                                                     |
| 63024 |                                                                                   | 3/8-1                                                                                          | 6,0                                                                                  | 59019, 63003, 63004, 63005                                                        |                                                                                   |                                                                                     |
| 63025 |                                                                                   | 1/2-1                                                                                          | 5,5                                                                                  | 63003, 63004, 63005                                                               |                                                                                   |                                                                                     |



| COD.  |  |  O.D.<br>inch |  Kg |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 63026 | NPT                                                                                 | 1/4-1.1/4                                                                                        | 7,5                                                                                    | 59020, 59021, 63013, 63014, 63015, 63016                                            | 63000                                                                               | 51000                                                                                 |
| 63027 |                                                                                     | 3/8-1.1/4                                                                                        | 7,0                                                                                    | 59021, 63013, 63014, 63015, 63016                                                   |                                                                                     |                                                                                       |
| 63028 |                                                                                     | 1/2-1.1/4                                                                                        |                                                                                        | 63013, 63014, 63015, 63016                                                          |                                                                                     |                                                                                       |
| 63029 |                                                                                     | 1/4-1                                                                                            | 6,5                                                                                    | 59020, 59021, 63013, 63014, 63015                                                   |                                                                                     |                                                                                       |
| 63030 |                                                                                     | 3/8-1                                                                                            | 6,0                                                                                    | 59021, 63013, 63014, 63015                                                          |                                                                                     |                                                                                       |
| 63031 |                                                                                     | 1/2-1                                                                                            | 5,5                                                                                    | 63013, 63014, 63015                                                                 |                                                                                     |                                                                                       |

| COD.  |  |  O.D.<br>inch |  Kg |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 63036 | BSPT                                                                                | 1.1/4-2                                                                                          | 9,8                                                                                    | 63007, 63008, 63009                                                                 | 63010                                                                               | 50002                                                                                 |
| 63037 |                                                                                     | 1.1/2-2                                                                                          | 8,4                                                                                    | 63008, 63009                                                                        |                                                                                     |                                                                                       |

| COD.  |  |  O.D.<br>inch |  Kg |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 63038 | NPT                                                                                 | 1.1/4-2                                                                                          | 9,8                                                                                    | 63017, 63018, 63019                                                                 | 63010                                                                               | 50002                                                                                 |
| 63039 |                                                                                     | 1.1/2-2                                                                                          | 8,4                                                                                    | 63018, 63019                                                                        |                                                                                     |                                                                                       |



| COD.  |  |  |  |  |  |  |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 63134 | BSPT                                                                              | 1/4-2                                                                             | 14                                                                                | 59018, 59019, 63003, 63004, 63005, 63006, 63008, 63009                            | 63010                                                                              | 50002                                                                               |
| 63133 |                                                                                   | 3/8-2                                                                             |                                                                                   | 59019, 63003, 63004, 63005, 63006, 63008, 63009                                   |                                                                                    |                                                                                     |
| 63132 |                                                                                   | 1/2-2                                                                             | 12                                                                                | 63003, 63004, 63005, 63006, 63008, 63009                                          |                                                                                    |                                                                                     |
| COD.  |  |  |  |  |  |  |
| 63139 | NPT                                                                               | 1/4-2                                                                             | 14                                                                                | 59020, 59021, 63013, 63014, 63015, 63016, 63018, 63019                            | 63010                                                                              | 50002                                                                               |
| 63138 |                                                                                   | 3/8-2                                                                             |                                                                                   | 59021, 63013, 63014, 63015, 63016, 63018, 63019                                   |                                                                                    |                                                                                     |
| 63137 |                                                                                   | 1/2-2                                                                             | 12                                                                                | 63013, 63014, 63015, 63016, 63018, 63019                                          |                                                                                    |                                                                                     |



### ■ CABEZAS / HEADS / TÊTES / SCHNEIDKÖPFE / TESTE / CABEÇAS / СМЕННЫЕ БОЙКИ

| COD.  |  |  |  |  |  |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 59018 | BSPT                                                                              | 1/4                                                                               | 0,6                                                                               | 1                                                                                 | ●                                                                                   |
| 63002 |                                                                                   | 3/8                                                                               |                                                                                   |                                                                                   |                                                                                     |
| 63003 |                                                                                   | 1/2                                                                               |                                                                                   |                                                                                   |                                                                                     |
| 63004 |                                                                                   | 3/4                                                                               | 0,5                                                                               |                                                                                   |                                                                                     |
| 63005 |                                                                                   | 1                                                                                 | 0,8                                                                               |                                                                                   |                                                                                     |
| 63006 |                                                                                   | 1.1/4                                                                             | 0,9                                                                               |                                                                                   |                                                                                     |

| COD.  |  |  |  |  |  |
|-------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 63007 | BSPT                                                                               | 1.1/4                                                                              | 1,5                                                                                | 1                                                                                  | -                                                                                    |
| 63008 |                                                                                    | 1.1/2                                                                              | 1,9                                                                                |                                                                                    |                                                                                      |
| 63009 |                                                                                    | 2                                                                                  |                                                                                    |                                                                                    |                                                                                      |



#### CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Serie pesada / Heavy duty / Série lourde

| COD.  |  |  |  |  |  |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 59020 | NPT                                                                                 | 1/4                                                                                 | 0,6                                                                                 | 1                                                                                   | ●                                                                                     |
| 59021 |                                                                                     | 3/8                                                                                 |                                                                                     |                                                                                     |                                                                                       |
| 63013 |                                                                                     | 1/2                                                                                 |                                                                                     |                                                                                     |                                                                                       |
| 63014 |                                                                                     | 3/4                                                                                 | 0,5                                                                                 |                                                                                     |                                                                                       |
| 63015 |                                                                                     | 1                                                                                   | 0,8                                                                                 |                                                                                     |                                                                                       |
| 63016 |                                                                                     | 1.1/4                                                                               | 0,9                                                                                 |                                                                                     |                                                                                       |

| COD.  |  |  |  |  |  |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 63017 | NPT                                                                                 | 1.1/4                                                                               | 1,5                                                                                 | 1                                                                                   | -                                                                                     |
| 63018 |                                                                                     | 1.1/2                                                                               | 1,9                                                                                 |                                                                                     |                                                                                       |
| 63019 |                                                                                     | 2                                                                                   |                                                                                     |                                                                                     |                                                                                       |

#### CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Serie pesada / Heavy duty / Série lourde

### ■ PEINES / DIES / PEIGNES / SCHNEIDBACKEN / PETTINI / ÇAÇONETES / ГРЕБЕНКИ

| COD.  |  |  O.D.<br>inch |  g |  |
|-------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 59022 | BSPT                                                                                | 1/4                                                                                              | 70                                                                                    | 1                                                                                    |
| 59023 |                                                                                     | 3/8                                                                                              |                                                                                       |                                                                                      |
| 63042 |                                                                                     | 1/2                                                                                              |                                                                                       |                                                                                      |
| 63043 |                                                                                     | 3/4                                                                                              |                                                                                       |                                                                                      |
| 63044 |                                                                                     | 1                                                                                                | 130                                                                                   |                                                                                      |
| 63045 |                                                                                     | 1.1/4                                                                                            |                                                                                       |                                                                                      |
| 63046 |                                                                                     | 1.1/2                                                                                            | 230                                                                                   |                                                                                      |
| 63047 |                                                                                     | 2                                                                                                |                                                                                       |                                                                                      |



| COD.  |  |  O.D.<br>inch |  g |  |
|-------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 59024 | NPT                                                                               | 1/4                                                                                            | 70                                                                                  | 1                                                                                  |
| 59025 |                                                                                   | 3/8                                                                                            |                                                                                     |                                                                                    |
| 63052 |                                                                                   | 1/2                                                                                            |                                                                                     |                                                                                    |
| 63053 |                                                                                   | 3/4                                                                                            |                                                                                     |                                                                                    |
| 63054 |                                                                                   | 1                                                                                              | 130                                                                                 |                                                                                    |
| 63055 |                                                                                   | 1.1/4                                                                                          |                                                                                     |                                                                                    |
| 63056 |                                                                                   | 1.1/2                                                                                          |                                                                                     |                                                                                    |
| 63057 |                                                                                   | 2                                                                                              |                                                                                     |                                                                                    |

■ CARRACAS / RATCHET / CLIQUETS / RATSCHENHEBEL / CRICCO DI MANOVRA / ROQUETES / ТРЕЩЕТКИ

| COD.  |  O.D.<br>inch |  Kg |  |  |
|-------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 63000 | 1/4-1.1/4                                                                                      | 1,5                                                                                  | 1                                                                                 | •                                                                                  |
| 63010 | 1.1/4-2                                                                                        | 3,0                                                                                  |                                                                                   |                                                                                    |



■ ESTUCHE / CASE / ÉTUI / KOFFER / ASTUCCIO / CAIXA / ФУТЛЯР

| COD.  | L x W x H (mm)  |
|-------|-----------------|
| 51000 | 410 x 210 x 95  |
| 50002 | 640 x 340 x 155 |



■ REDUCTOR / ADAPTOR / ADAPTATEUR / ADAPTER / RIDUTTORE / REDUTOR / АДАПТЕР

| COD.  |  O.D.<br>inch |  g |  |
|-------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 80833 | 1/4-1.1/4                                                                                        | 15                                                                                    | •                                                                                   |



■ ACEITE DE CORTE / CUTTING OIL / HUILE DE COUPE / GEWINDESCHNEIDMITTEL / OLIO DA TAGLIO / OLEO DE CORTE / РЕЗЬБОНАРЕЗНОЕ МАСЛО

| COD.  | CAP. (ml) |  |
|-------|-----------|-------------------------------------------------------------------------------------|
| 64007 | 100       | 1                                                                                   |



■ CINTA DE SELLADO DE PTFE PARA ROSCAS / PTFE THREAD SEALING TAPE / BANDE DE SCELLEMENT PTFE POUR FILETAGES / PTFE GEWINDE DICHTUNGSBAND / NASTRO DI SIGILLATURA PTFE PER FILETTATURE / FITA PARA SELAR ROSCAS PTFE / ФУМ-ЛЕНТА ДЛЯ РЕЗЬБОВЫХ СОЕДИНЕНИЙ

| COD.  | L (m) | W x H (mm) | Densidad (g/cm <sup>3</sup> ) / Density (g/cm <sup>3</sup> ) / Densité (g/cm <sup>3</sup> ) |  g |  |
|-------|-------|------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 51575 | 10    | 12 x 0,075 | 0,20                                                                                        | 10                                                                                    | 1                                                                                     |
| 51576 | 15    |            | 0,30                                                                                        | 15                                                                                    |                                                                                       |



## MASTERKIT - 1



| COD.  |  |  |  |  |  |  |  |  |  |  |  |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 69000 |                                                                                   | 10                                                                                |                                                                                   |                                                                                   |                                                                                   | 61004                                                                             | -                                                                                 | -                                                                                 |                                                                                   |                                                                                    |                                                                                     |
| 69001 | BSPT                                                                              | 10                                                                                | 51005                                                                             | 63000                                                                             | 63003, 63004, 63005                                                               |                                                                                   | 61017                                                                             |                                                                                   | 62135                                                                             | 63172                                                                              | 100 ml (64007)                                                                      |
| 69002 |                                                                                   | 9,5                                                                               |                                                                                   |                                                                                   |                                                                                   | -                                                                                 | -                                                                                 | 61011                                                                             |                                                                                   |                                                                                    |                                                                                     |
| 69021 | NPT                                                                               | 10                                                                                |                                                                                   |                                                                                   | 63013, 63014, 63015                                                               |                                                                                   | 61017                                                                             | -                                                                                 |                                                                                   |                                                                                    |                                                                                     |

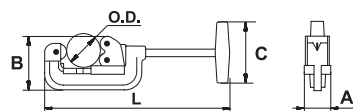
## MASTERKIT - 2



| COD.  |      |    |       |       |                                          |       |       |       |  |       |       |                   |
|-------|------|----|-------|-------|------------------------------------------|-------|-------|-------|--|-------|-------|-------------------|
| 69050 |      | 16 |       |       |                                          | 61004 | -     | -     |  |       |       |                   |
| 69051 | BSPT | 17 | 50002 | 63010 | 63006, 63003, 63004, 63005, 63008, 63009 |       | 61017 | -     |  | 62135 | 63172 | 100 ml (64007)    |
| 69052 |      | 16 |       |       |                                          | -     | -     | 61011 |  |       |       | 1/4-1.1/4 (80833) |
| 69072 | NPT  | 17 |       |       | 63013, 63014, 63015, 63016, 63018, 63019 |       | 61017 | -     |  |       |       |                   |

## CORTATUBOS / TUBE CUTTER / COUPE-TUBES / KUPFER ROHRABSCHNEIDER / TAGLIATUBI / CORTA TUBOS / ТРУБОРЕЗ

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



| COD.  | L (mm) | A (mm) | B (mm) | C (mm) |           |     |     |   |       |
|-------|--------|--------|--------|--------|-----------|-----|-----|---|-------|
| 63171 | 270    | 90     | 110    | 40     | 1/8-1.1/4 | 4,8 | 1,1 | 2 | 63103 |
| 63172 | 375    | 110    | 125    | 56     | 1/8-2     | 5,8 | 2,5 | 1 | 63101 |



#### CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Acero / Steel / Acier

| COD.  | L (mm) | A (mm) | B (mm) | C (mm) |           |     |     |   |       |
|-------|--------|--------|--------|--------|-----------|-----|-----|---|-------|
| 63098 | 270    | 90     | 110    | 40     | 1/8-1.1/4 | 4,8 | 1,1 | 2 | 63090 |
| 63099 | 375    | 110    | 125    | 56     | 1/8-2     | 5,6 | 2,5 | 1 | 63091 |

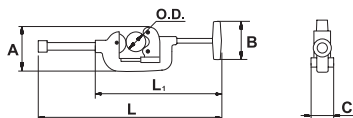
#### CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Acero inoxidable / Stainless steel / Acier inoxydable

| COD.  | L (mm) | A (mm) | B (mm) | C (mm) | O.D.<br>inch | mm  | Kg  |   |       |
|-------|--------|--------|--------|--------|--------------|-----|-----|---|-------|
| 63378 | 430    | 120    | 150    | 52     | 1/8-2        | 5,6 | 3,2 | 1 | 63091 |

**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Acero inoxidable / Stainless steel / Acier inoxydable



| COD.  | L (mm) | L1 (mm) | A (mm) | B (mm) | C (mm) | O.D.<br>inch | mm  | Kg  |   |       |
|-------|--------|---------|--------|--------|--------|--------------|-----|-----|---|-------|
| 63175 | 960    | 560     | 195    | 170    | 60     | 2-4          | 8,6 | 8,0 | 1 | 63185 |

**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Acero / Steel / Acier

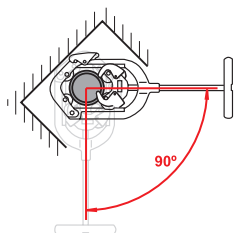
| COD.  | L (mm) | L1 (mm) | A (mm) | B (mm) | C (mm) | O.D.<br>inch | mm  | Kg  |   |       |
|-------|--------|---------|--------|--------|--------|--------------|-----|-----|---|-------|
| 63177 | 960    | 560     | 195    | 170    | 60     | 2-4          | 8,6 | 8,0 | 1 | 63186 |

**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Acero inoxidable / Stainless steel / Acier inoxydable



**CORTATUBOS ARTICULADO / HINGED PIPE CUTTER / COUPE TUBES ARTICULÉ / UNIVERSAL ROHRABSCHNEIDER / TAGLIATUBI ARTICOLATO / CORTA TUBOS ARTICULADO / ТРУБОРЕЗ С ХОМУТНОЙ ЗАЩЕЛКОЙ**



| COD.  | O.D.<br>inch | mm  | Kg  |   |       |
|-------|--------------|-----|-----|---|-------|
| 63355 | 2-4          |     | 6,0 |   | 86886 |
| 63356 | 4-6          |     | 9,0 |   | 86887 |
| 63357 | 6-8          | 8,6 | 11  | 1 | 86888 |
| 63358 | 8-12         |     | 16  |   |       |

**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Acero, Acero inoxidable, hierro dúctil y fundición / Steel, stainless steel, cast and ductile iron / Acier, acier inoxydable, fer malléable et fonte



**SERIE INOX / STAINLESS STEEL / INOX / EDELSTAHL / ACCIAIO INOX / AÇO INOXIDAVEL / НЕРЖАВЕЮЩАЯ СТАЛЬ**

**MINI**

| COD.  | MAX<br>mm                                                   | g    |     |    |   |          |
|-------|-------------------------------------------------------------|------|-----|----|---|----------|
| 63076 | Acero inoxidable /<br>Stainless steel / Acier<br>inoxydable | 3-22 | 135 | 20 | ● | 63113 20 |

**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Reforzado / Reinforced / Renforcé



**MINI 30**

| COD.  | MAX<br>mm                                                   | g    |     |    |   |          |
|-------|-------------------------------------------------------------|------|-----|----|---|----------|
| 63169 | Acero inoxidable /<br>Stainless steel / Acier<br>inoxydable | 3-30 | 210 | 10 | ● | 63087 20 |



## CLASSIC 32

| COD.  |                                                             |  |  |  |  |  |  |
|-------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 63094 | Acero inoxidable /<br>Stainless steel / Acier<br>inoxydable | 3-32                                                                              | 300                                                                               | 1                                                                                 | ●                                                                                 | 63113                                                                             | 20                                                                                  |



## TELESCOPIC 32

| COD.  |                                                             |  |  |  |  |  |  |
|-------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 63118 | Acero inoxidable /<br>Stainless steel / Acier<br>inoxydable | 3-32                                                                              | 290                                                                               | 1                                                                                 | ●                                                                                 | 63113                                                                             | 20                                                                                  |



## UNIQUE

| COD.  |                                                             |  |  |  |  |  |  |
|-------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 63121 | Acero inoxidable /<br>Stainless steel / Acier<br>inoxydable | 6-42                                                                              | 550                                                                               | 8                                                                                 | ●                                                                                 | 63114                                                                             | 10                                                                                  |



## AUTOMATIC 50

| COD.  |                                                             |  |  |  |  |  |  |
|-------|-------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 63364 | Acero inoxidable /<br>Stainless steel / Acier<br>inoxydable | 6-50                                                                               | 450                                                                                | 1                                                                                  | ●                                                                                  | 63721                                                                              | 10                                                                                   |



## TELESCOPIC 70

| COD.  |                                                             |  |  |  |  |  |  |
|-------|-------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 60379 | Acero inoxidable /<br>Stainless steel / Acier<br>inoxydable | 6-70                                                                                | 1100                                                                                | 1                                                                                   | ●                                                                                   | 60218                                                                               | 10                                                                                    |



## KIT 3 PCS.

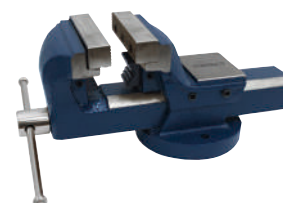
| COD.  | PCS. | COD. PCS.           |
|-------|------|---------------------|
| 69548 | 3    | 63076, 63094, 63121 |



TORNILLO DE BANCO PARALELO CON MORDAZAS PARA TUBO / PARALLEL BENCH VICE WITH PIPE JAWS / ETAU À MORS PARALLELES AVEC SERRE TUBE / PARALLELSCHRAUBSTOCK MIT ROHRSPANNBACKEN / Morsa parallela con ganasce per tubi / TORNO PARALELO CON MORDAÇAS PARA TUBO / СЛЕСАРНЫЕ ТИСКИ С ТРУБНЫМИ ГУБКАМИ

## FIJO / FIXED / FIXE / FESTE-AUSFÜHRUNG / BASE FISSA / FIXO / ФИКСИРОВАННЫЙ

| COD.  |  |  |  | N     | Kg  |  |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-----|---------------------------------------------------------------------------------------|
| 57619 | 4                                                                                   | 100                                                                                 | 1/4-1.1/4                                                                           | 15000 | 7,0 | 1                                                                                     |
| 57620 | 5                                                                                   | 150                                                                                 | 1/4-1.1/2                                                                           | 25000 | 11  |                                                                                       |
| 57621 | 6                                                                                   | 200                                                                                 |                                                                                     | 35000 | 17  |                                                                                       |
| 57622 | 7                                                                                   | 225                                                                                 | 1/2-3                                                                               | 50000 | 27  |                                                                                       |



## CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Fabricado en acero fundido nodular de precisión - "Tipo forjado" / Made of accurate ductile cast steel - "Forged type" /  
Fabriqué en acier moulé nodulaire de précision - "Type forgé"

■ GIRATORIO / SWIVEL / TOURNANT / DREHBARE / Morsa girevole / BASE GIRATORIA / ПОВОРОТНОЕ

| COD.  |  |  | N     |  |  |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 57624 | 4                                                                                 | 100                                                                               | 15000 | 8,0                                                                               | 1                                                                                   |
| 57625 | 5                                                                                 | 150                                                                               | 25000 | 12                                                                                |                                                                                     |
| 57626 | 6                                                                                 | 200                                                                               | 35000 | 18                                                                                |                                                                                     |
| 57627 | 7                                                                                 | 225                                                                               | 50000 | 29                                                                                |                                                                                     |

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Fabricado en acero fundido nodular de precisión - "Tipo forjado" / Made of accurate ductile cast steel - "Forged type" /  
Fabriqué en acier moulé nodulaire de précision - "Type forgé"



■ REPUESTOS / SPARE PARTS / RECHANGES / ERSATZTEILE / ACCESORI / ACESSORIOS / ЗАПАСНЫЕ ЧАСТИ

| COD.  | (inch) |  |
|-------|--------|-----------------------------------------------------------------------------------|
| 86580 | 4      | 0,8                                                                               |
| 86581 | 5      | 1,0                                                                               |
| 86582 | 6      | 1,3                                                                               |
| 86583 | 7      | 1,4                                                                               |

| COD.  | (inch) |  |
|-------|--------|-----------------------------------------------------------------------------------|
| 86584 | 4      | 0,7                                                                               |
| 86585 | 5      | 0,9                                                                               |
| 86586 | 6      | 1,1                                                                               |
| 86587 | 7      | 1,3                                                                               |



■ TORNILLO DE BANCO PARALELO / PARALLEL BENCH VICE / ÉTAU À MORS PARALLELES / PARALLELSCHRAUBSTÖCKE / Morsa da banco paralela / TORNO DE BANCADA PARALELO / ТИСКИ

■ FIJO / FIXED / FIXE / FESTE-AUSFÜHRUNG / BASE FISSA / FIXO / ФИКСИРОВАННЫЙ

| COD.  |  |  | N      |  |  |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 57636 | 4                                                                                   | 100                                                                                 | 10.000 | 8                                                                                   | 1                                                                                     |
| 57637 | 5                                                                                   | 125                                                                                 | 15.000 | 12                                                                                  |                                                                                       |
| 57638 | 6                                                                                   | 150                                                                                 | 20.000 | 14                                                                                  |                                                                                       |
| 57639 | 8                                                                                   | 200                                                                                 | 25.000 | 22                                                                                  |                                                                                       |

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Acero fundido / Cast steel / Font d'acier



■ GIRATORIO / SWIVEL / TOURNANT / DREHBARE / Morsa girevole / BASE GIRATORIA / ПОВОРОТНОЕ

| COD.  |  |  | N      |  |  |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 57645 | 4                                                                                   | 100                                                                                 | 10.000 | 9                                                                                   | 1                                                                                     |
| 57646 | 5                                                                                   | 125                                                                                 | 15.000 | 13                                                                                  |                                                                                       |
| 57647 | 6                                                                                   | 150                                                                                 | 20.000 | 15                                                                                  |                                                                                       |
| 57648 | 8                                                                                   | 200                                                                                 | 25.000 | 23                                                                                  |                                                                                       |

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Acero fundido / Cast steel / Font d'acier



■ REPUESTOS / SPARE PARTS / RECHANGES / ERSATZTEILE / ACCESORI / ACESSORIOS / ЗАПАСНЫЕ ЧАСТИ

| COD.  | (inch) |  |
|-------|--------|-------------------------------------------------------------------------------------|
| 87840 | 4      | 1                                                                                   |
| 87841 | 5      | 1,2                                                                                 |
| 87842 | 6      | 1,4                                                                                 |
| 87843 | 8      | 1,6                                                                                 |



| COD.  | (inch) |
|-------|--------|
| 87844 | 4      |
| 87845 | 5      |
| 87846 | 6      |
| 87847 | 8      |



**TORNILLO DE BANCO PARA TUBOS / PIPE VICE / ÉTAU À CHARNIÈRE / ROHRSCRAUBSTOCK / MORSA PER TUBI / TORNO PARA TUBOS / ВЕРСТАЧНЫЕ ТРУБНЫЕ ТИСКИ**

| COD.  | O.D.<br>inch | O.D.<br>mm | Kg  |   |
|-------|--------------|------------|-----|---|
| 61202 | 1/8-2        | 10-60      | 4,0 | 1 |
| 61204 | 1/8-3        | 10-89      | 8,0 |   |
| 61205 | 1/8-4        | 10-114     | 12  |   |



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

| COD.  | O.D.<br>inch |  |
|-------|--------------|--|
| 64260 | 2            |  |
| 64261 |              |  |
| 64352 | 3            |  |
| 64353 |              |  |
| 64258 | 4            |  |
| 64259 |              |  |

**TORNILLO DE BANCO PARA TUBOS PORTÁTIL / PORTABLE PIPE VICE / ÉTAU À TUBE PORTABLE / TRAGBARE ROHRSCRAUBSTOCK / MORSA DA BANCO PER TUBI PORTATILI / TORNO DE BANCADA PARA TUBO PORTÁTIL / ТРУБНЫЕ ТИСКИ СО СТРУБЦИНОЙ**

| COD.  | O.D.<br>inch | O.D.<br>mm | Kg  |   |
|-------|--------------|------------|-----|---|
| 61199 | 1/8-2        | 10-60      | 5,5 | 1 |



**MORDAZA DE CADENA / CHAIN VICE / ÉTAU À CHAÎNE / KETTENROHRSCRAUBSTOCK / MORSA A CATENA / TORNOS DE CORRENTE / ЦЕПНЫЕ ТИСКИ**

| COD.  | O.D.<br>inch | Kg |   |
|-------|--------------|----|---|
| 61206 | 1/8-6        | 12 | 1 |



## TRIPOD STAND

| COD.  |  O.D.<br>inch |  O.D.<br>mm |  Kg |  |
|-------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 61200 | 1/8-6                                                                                          | 10-170                                                                                       | 21                                                                                   | 1                                                                                  |

### CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Con mordaza de cadena 6" / With chain vice 6" / Avec étau à chaîne 6"



## BANCO DE TRABAJO PLEGABLE / FOLDABLE WORKING TABLE / TABLE DE MONTEUR PLIANTE / KLAPPBARE ARBEITSTISCH / BANCO DA LAVORO PIEGHEVOLE / BANCADA DE TRABALHO DOBRÁVEL / ВЕРСТАК СКЛАДНОЙ

| COD.  | L x W x H (mm)   |  Kg-MAX |  Kg |
|-------|------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 50174 | 1005 x 505 x 845 | 100                                                                                      | 22                                                                                    |

