

# LLAVES DE VASO DE IMPACTO



EGA Master ofrece una amplia gama de llaves de vaso de impacto, serie corta, serie larga, adaptador, articulación universal, alargadera, anilla de seguridad, pasador de seguridad...etc.

Fabricados en acero cromo-molibdeno, en cromo-vanadio o acero especial están diseñados para soportar altos pares de apriete con mínimo desgaste, proporcionando una mayor durabilidad.

**1.** Desde 3/8" hasta 3.1/2", disponibles tanto en mm como pulgadas.

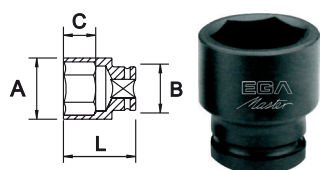
**2.** Diseño cilíndrico en todas las medidas para aportar una mayor accesibilidad.



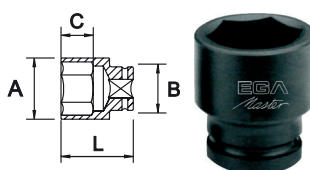
## ■ LLAVES DE VASO DE IMPACTO

### ■ 6 PT.- 3/8"

MM



INCH



| COD.  | AF <sup>+</sup> <sub>mm</sub> | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g  |   |   |
|-------|-------------------------------|--------|--------|--------|--------|----|----|---|---|
| 60590 | 7                             |        | 12     |        |        |    | 41 |   |   |
| 60591 | 8                             |        | 13     |        |        |    |    |   |   |
| 60592 | 9                             |        | 14     |        |        |    | 43 |   |   |
| 60593 | 10                            |        | 16     | 19     | 14     |    |    |   |   |
| 60594 | 11                            |        | 17     |        |        |    | 44 |   |   |
| 60595 | 12                            |        | 18     |        |        |    |    |   |   |
| 60596 | 13                            | 30     | 20     | 20     | 15     | 6  |    | 6 | ● |
| 60597 | 14                            |        | 21     | 21     |        |    |    |   |   |
| 60598 | 15                            |        | 22     | 22     |        |    | 60 |   |   |
| 60599 | 16                            |        | 23     | 23     | 16     |    |    |   |   |
| 60600 | 17                            |        | 24     | 24     |        |    |    |   |   |
| 60601 | 18                            |        | 26     | 26     |        |    |    |   |   |
| 60602 | 19                            |        | 27     | 27     |        |    | 70 |   |   |

○ I DIN 3129

#### CARACTERÍSTICAS

Cr-V

| COD.  | AF <sup>+</sup> <sub>inch</sub> | L (mm) | A (mm) | B (mm) | C (mm) | Pt | g   |   |   |
|-------|---------------------------------|--------|--------|--------|--------|----|-----|---|---|
| 65205 | 5/16                            |        | 13     |        |        |    | 43  |   |   |
| 65206 | 3/8                             |        | 15     |        | 14     |    |     |   |   |
| 65207 | 7/16                            |        | 17     | 19     |        |    | 44  |   |   |
| 65208 | 1/2                             |        | 19     |        | 15     |    |     |   |   |
| 65209 | 9/16                            | 30     | 21     | 21     |        | 6  | 60  | 6 | ● |
| 65210 | 5/8                             |        | 23     | 23     |        |    |     |   |   |
| 65211 | 11/16                           |        | 25     | 25     | 16     |    |     |   |   |
| 65212 | 3/4                             |        | 27     | 27     |        |    | 70  |   |   |
| 68685 | 13/16                           |        | 30     | 30     |        |    | 100 |   |   |
| 68686 | 7/8                             |        | 32     | 32     |        |    | 125 |   |   |

○ I DIN 3129

#### CARACTERÍSTICAS

Cr-V

■ PUNTAS ATORNILLADORAS DE IMPACTO CON VASO

**3/8"**

HEXAGONAL  
MM

| COD.  |  | L (mm) |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 65920 | 3                                                                                 | 78     | 45                                                                                | 10                                                                                | ●                                                                                   |
| 65921 | 4                                                                                 |        | 50                                                                                |                                                                                   |                                                                                     |
| 65922 | 5                                                                                 |        | 55                                                                                |                                                                                   |                                                                                     |
| 65923 | 6                                                                                 |        | 65                                                                                |                                                                                   |                                                                                     |
| 65924 | 8                                                                                 |        | 85                                                                                |                                                                                   |                                                                                     |
| 65925 | 10                                                                                |        | 100                                                                               |                                                                                   |                                                                                     |
| 65926 | 12                                                                                |        | 120                                                                               |                                                                                   |                                                                                     |
| 65927 | 14                                                                                |        |                                                                                   |                                                                                   |                                                                                     |



INCH.

| COD.  |  | L (mm) |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 53172 | 3/16                                                                              | 60     | 50                                                                                | 10                                                                                | ●                                                                                   |
| 53173 | 7/32                                                                              |        | 70                                                                                |                                                                                   |                                                                                     |
| 53174 | 1/4                                                                               |        | 75                                                                                |                                                                                   |                                                                                     |
| 53175 | 9/32                                                                              |        | 80                                                                                |                                                                                   |                                                                                     |
| 53176 | 5/16                                                                              |        | 90                                                                                |                                                                                   |                                                                                     |
| 53177 | 3/8                                                                               |        | 100                                                                               |                                                                                   |                                                                                     |
| 53178 | 7/16                                                                              |        | 115                                                                               |                                                                                   |                                                                                     |
| 53179 | 1/2                                                                               |        | 120                                                                               |                                                                                   |                                                                                     |
| 53180 | 9/16                                                                              |        |                                                                                   |                                                                                   |                                                                                     |
| 53181 | 5/8                                                                               |        |                                                                                   |                                                                                   |                                                                                     |



TORX®\*

| COD.  |  | L (mm) |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 65928 | T-25                                                                                | 60     | 40                                                                                  | 10                                                                                  | ●                                                                                     |
| 65929 | T-27                                                                                |        | 45                                                                                  |                                                                                     |                                                                                       |
| 65930 | T-30                                                                                |        | 50                                                                                  |                                                                                     |                                                                                       |
| 65931 | T-40                                                                                |        | 55                                                                                  |                                                                                     |                                                                                       |
| 65932 | T-45                                                                                |        | 65                                                                                  |                                                                                     |                                                                                       |
| 65933 | T-50                                                                                |        | 75                                                                                  |                                                                                     |                                                                                       |
| 65934 | T-55                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 65935 | T-60                                                                                |        |                                                                                     |                                                                                     |                                                                                       |

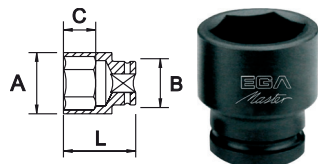


\* Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US)

■ STANDARD 6PT

1/2"

MM



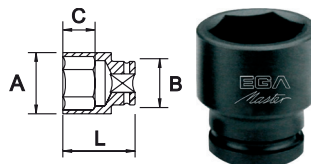
| COD.  | AF <sup>mm</sup> | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g |   |   |
|-------|------------------|--------|--------|--------|--------|-----|---|---|---|
| 60658 | 8                |        |        |        |        |     |   |   |   |
| 57987 | 9                |        | 17     |        |        | 65  |   |   |   |
| 60603 | 10               |        |        |        |        |     |   |   |   |
| 60604 | 11               |        | 19     |        | 15     |     |   |   |   |
| 60605 | 12               |        | 20     | 24     |        |     |   |   |   |
| 60606 | 13               |        | 22     |        |        | 80  |   |   |   |
| 60607 | 14               |        |        |        |        |     |   |   |   |
| 60608 | 15               |        | 24     |        |        |     |   |   |   |
| 60609 | 16               |        |        |        | 16     |     |   |   |   |
| 60610 | 17               |        | 26     | 26     |        | 95  |   |   |   |
| 60611 | 18               | 38     | 28     | 28     |        | 110 |   |   |   |
| 60612 | 19               |        |        |        |        |     |   |   |   |
| 60639 | 20               |        | 29     | 29     | 18     | 6   |   | 6 | • |
| 60613 | 21               |        | 30     | 30     |        | 120 |   |   |   |
| 60614 | 22               |        | 32     | 32     |        | 140 |   |   |   |
| 58450 | 23               |        |        |        |        | 160 |   |   |   |
| 60615 | 24               |        | 34     | 34     | 20     | 190 |   |   |   |
| 58451 | 25               |        | 36     | 36     |        | 185 |   |   |   |
| 60616 | 27               |        | 38     |        |        | 190 |   |   |   |
| 57988 | 28               |        |        | 35     | 21     | 200 |   |   |   |
| 60617 | 29               |        | 40     |        |        |     |   |   |   |
| 60618 | 30               | 43     | 42     | 42     | 20     | 210 |   |   |   |
| 60619 | 32               | 38     | 44     | 35     |        |     |   |   |   |
| 57989 | 33               | 48     | 46,5   |        |        | 236 |   |   |   |
| 57990 | 34               |        | 46,8   | 30     | 23     | 248 |   |   |   |
| 60712 | 36               | 50     | 50     | 36     |        | 350 |   |   |   |

• DIN 3129

CARACTERÍSTICAS

Cr-V

INCH



| COD.  | AF <sup>inch</sup> | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | g |   |   |
|-------|--------------------|--------|--------|--------|--------|-----|---|---|---|
| 65213 | 3/8                |        | 16     |        |        |     |   |   |   |
| 65214 | 7/16               |        | 18     |        |        |     |   |   |   |
| 65215 | 1/2                |        | 20     | 23     | 14     | 85  |   |   |   |
| 65216 | 9/16               |        | 22     |        |        |     |   |   |   |
| 65217 | 5/8                |        | 24     | 24     | 15     |     |   |   |   |
| 65218 | 11/16              |        | 26     | 26     | 16     | 125 |   |   |   |
| 65219 | 3/4                |        | 28     | 28     |        |     |   |   |   |
| 65220 | 13/16              | 38     | 30     | 30     | 19     |     |   |   |   |
| 65221 | 7/8                |        | 32     | 32     | 20     | 130 |   |   |   |
| 65222 | 15/16              |        | 34     | 34     |        | 135 | 6 | 6 | • |
| 65223 | 1                  |        | 36     |        |        | 145 |   |   |   |
| 65224 | 1.1/16             |        | 38     |        |        | 170 |   |   |   |
| 65225 | 1.1/8              |        | 40     | 35     | 21     | 190 |   |   |   |
| 57985 | 1.3/16             |        | 42     |        |        | 200 |   |   |   |
| 65226 | 1.1/4              |        | 44     |        |        | 330 |   |   |   |
| 58447 | 1.5/16             | 50     | 47     |        | 28     | 350 |   |   |   |
| 58448 | 1.3/8              |        | 49     | 30     |        | 410 |   |   |   |
| 58457 | 1.7/16             | 55     | 50     |        | 30     | 490 |   |   |   |
| 58458 | 1.1/2              |        | 52     | 40     |        |     |   |   |   |

• DIN 3129

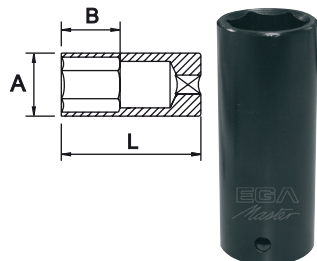
CARACTERÍSTICAS

Cr-V

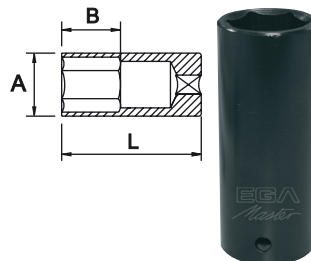
■ SERIE LARGA 6PT

1/2"

MM



INCH



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | Pt  | g   |   |   |
|-------|-------|--------|--------|--------|-----|-----|---|---|
| 57994 | 9     |        | 16     | 24     |     | 142 |   |   |
| 60660 | 10    |        | 17     |        |     |     |   |   |
| 60661 | 11    |        | 18     |        |     |     |   |   |
| 60662 | 12    |        | 19     | 27     |     |     |   |   |
| 60663 | 13    |        | 20     |        |     |     |   |   |
| 60664 | 14    |        | 22     | 37     | 190 |     |   |   |
| 58452 | 15    |        | 24     | 34     |     |     |   |   |
| 60665 | 16    |        |        |        |     |     |   |   |
| 60666 | 17    |        | 26     |        |     |     |   |   |
| 60667 | 18    |        | 27     |        |     |     |   |   |
| 60668 | 19    | 80     | 28     |        | 6   |     | 6 | • |
| 57995 | 20    |        | 30     |        |     | 260 |   |   |
| 60669 | 21    |        | 31     |        |     |     |   |   |
| 60670 | 22    |        | 32     | 37     |     | 310 |   |   |
| 60671 | 23    |        | 33     |        |     | 320 |   |   |
| 60672 | 24    |        | 34     |        |     | 340 |   |   |
| 60673 | 27    |        | 38     |        |     | 400 |   |   |
| 60674 | 29    |        | 40     |        |     | 420 |   |   |
| 60675 | 30    |        | 42     |        |     | 430 |   |   |
| 60676 | 32    |        | 44     |        |     | 450 |   |   |
| 57996 | 34    |        | 47     | 38     |     | 503 |   |   |

• DIN 3129

CARACTERÍSTICAS

Cr-V

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt  | g   |   |   |
|-------|---------|--------|--------|--------|-----|-----|---|---|
| 55630 | 3/8     |        |        | 18     | 24  |     |   |   |
| 55631 | 7/16    |        |        |        |     |     |   |   |
| 55632 | 1/2     |        | 20     |        |     |     |   |   |
| 55633 | 9/16    |        | 22     | 29     | 190 |     |   |   |
| 55634 | 5/8     |        | 24     |        |     |     |   |   |
| 55635 | 11/16   |        | 26     |        |     |     |   |   |
| 55636 | 3/4     |        | 28     |        |     | 220 |   |   |
| 55637 | 13/16   | 80     | 30     |        | 6   | 250 | 6 | • |
| 55638 | 7/8     |        | 32     |        |     | 290 |   |   |
| 55639 | 15/16   |        | 34     |        |     | 320 |   |   |
| 55640 | 1       |        | 36     | 36     |     |     |   |   |
| 55641 | 1.1/16  |        | 38     |        |     | 370 |   |   |
| 55642 | 1.1/8   |        | 40     |        |     |     |   |   |
| 57992 | 1.3/16  |        | 42     |        |     | 386 |   |   |
| 55643 | 1.1/4   |        | 44     |        |     | 420 |   |   |
| 58470 | 1.5/16  |        | 46     |        |     | 450 |   |   |

• DIN 3129

CARACTERÍSTICAS

Cr-V

■ PUNTAS ATORNILLADORAS DE IMPACTO CON VASO

1/2"

HEXAGONAL

MM

| COD.  |  | L (mm) |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 65936 | 4                                                                                 | 78     | 80                                                                                | 10                                                                                | ●                                                                                   |
| 65937 | 5                                                                                 |        | 85                                                                                |                                                                                   |                                                                                     |
| 65938 | 6                                                                                 |        | 95                                                                                |                                                                                   |                                                                                     |
| 53183 | 7                                                                                 |        | 105                                                                               |                                                                                   |                                                                                     |
| 65939 | 8                                                                                 |        | 110                                                                               |                                                                                   |                                                                                     |
| 53184 | 9                                                                                 |        | 120                                                                               |                                                                                   |                                                                                     |
| 65940 | 10                                                                                |        | 125                                                                               |                                                                                   |                                                                                     |
| 65941 | 11                                                                                |        | 135                                                                               |                                                                                   |                                                                                     |
| 65942 | 12                                                                                |        | 140                                                                               |                                                                                   |                                                                                     |
| 53185 | 13                                                                                |        | 170                                                                               |                                                                                   |                                                                                     |
| 65943 | 14                                                                                |        | 200                                                                               |                                                                                   |                                                                                     |
| 53186 | 15                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 65944 | 17                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53187 | 18                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 65945 | 19                                                                                |        |                                                                                   |                                                                                   |                                                                                     |



INCH.

| COD.  |  | L (mm) |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 53188 | 3/16                                                                                | 78     | 90                                                                                  | 10                                                                                  | ●                                                                                     |
| 53189 | 7/32                                                                                |        | 95                                                                                  |                                                                                     |                                                                                       |
| 53190 | 1/4                                                                                 |        | 100                                                                                 |                                                                                     |                                                                                       |
| 53191 | 9/32                                                                                |        | 120                                                                                 |                                                                                     |                                                                                       |
| 53192 | 5/16                                                                                |        | 130                                                                                 |                                                                                     |                                                                                       |
| 53193 | 3/8                                                                                 |        | 140                                                                                 |                                                                                     |                                                                                       |
| 53194 | 7/16                                                                                |        | 150                                                                                 |                                                                                     |                                                                                       |
| 53195 | 1/2                                                                                 |        | 210                                                                                 |                                                                                     |                                                                                       |
| 53196 | 9/16                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 53197 | 5/8                                                                                 |        |                                                                                     |                                                                                     |                                                                                       |
| 53198 | 11/16                                                                               |        |                                                                                     |                                                                                     |                                                                                       |
| 53199 | 3/4                                                                                 |        |                                                                                     |                                                                                     |                                                                                       |



HEXAGONAL SERIE LARGA

| COD.  |  | L (mm) |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 58660 | 5                                                                                   | 170    | 260                                                                                 | 10                                                                                  | ●                                                                                     |
| 58661 | 6                                                                                   |        | 270                                                                                 |                                                                                     |                                                                                       |
| 58662 | 8                                                                                   |        | 345                                                                                 |                                                                                     |                                                                                       |
| 58663 | 10                                                                                  |        | 350                                                                                 |                                                                                     |                                                                                       |
| 58664 | 12                                                                                  |        | 420                                                                                 |                                                                                     |                                                                                       |
| 58665 | 14                                                                                  |        | 430                                                                                 |                                                                                     |                                                                                       |



TORX®\*

| COD.  |  | L (mm) |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 65946 | T-25                                                                                | 78     | 75                                                                                  | 10                                                                                  | ●                                                                                     |
| 65947 | T-27                                                                                |        | 80                                                                                  |                                                                                     |                                                                                       |
| 65948 | T-30                                                                                |        | 85                                                                                  |                                                                                     |                                                                                       |
| 65949 | T-40                                                                                |        | 90                                                                                  |                                                                                     |                                                                                       |
| 65950 | T-45                                                                                |        | 110                                                                                 |                                                                                     |                                                                                       |
| 65951 | T-50                                                                                |        | 120                                                                                 |                                                                                     |                                                                                       |
| 65952 | T-55                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 65953 | T-60                                                                                |        |                                                                                     |                                                                                     |                                                                                       |

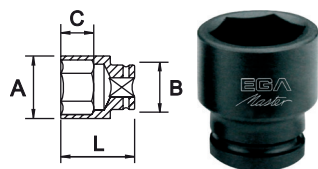


\* Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US)

■ STANDARD 6PT

3/4"

MM



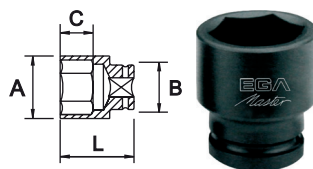
| COD.  | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | g |  |  |
|-------|-------|--------|--------|--------|--------|------|---|--|--|
| 59990 | 16    |        |        | 44     | 22     | 380  |   |  |  |
| 63879 | 17    |        | 30     |        |        | 220  |   |  |  |
| 57334 | 18    |        | 32     |        |        |      |   |  |  |
| 60620 | 19    |        | 33     |        |        |      |   |  |  |
| 57335 | 20    |        |        |        | 18     |      |   |  |  |
| 60621 | 21    | 50     | 35     |        |        |      |   |  |  |
| 60622 | 22    |        | 37     | 38     |        |      |   |  |  |
| 60623 | 23    |        | 38     |        |        | 230  |   |  |  |
| 60624 | 24    |        | 39     |        | 22     |      |   |  |  |
| 57336 | 25    |        | 40     |        | 23     |      |   |  |  |
| 60625 | 26    |        | 41     |        | 24     |      |   |  |  |
| 60626 | 27    |        | 43     | 40     | 26     |      |   |  |  |
| 60627 | 28    |        | 44     |        |        |      |   |  |  |
| 60628 | 29    |        | 45     | 42     |        | 310  |   |  |  |
| 60629 | 30    |        | 46     |        |        | 420  |   |  |  |
| 57337 | 31    |        | 46     |        |        | 430  |   |  |  |
| 60630 | 32    |        | 49     |        |        | 440  |   |  |  |
| 60631 | 33    |        | 50     |        |        | 460  |   |  |  |
| 60632 | 34    | 55     |        |        |        | 480  | 1 |  |  |
| 58454 | 35    |        | 51     |        | 27     | 460  |   |  |  |
| 60633 | 36    |        |        |        |        | 500  |   |  |  |
| 60634 | 38    |        |        |        |        | 550  |   |  |  |
| 57338 | 39    |        | 55     |        |        | 560  |   |  |  |
| 57339 | 40    |        |        | 44     |        | 570  |   |  |  |
| 60635 | 41    |        |        |        |        | 600  |   |  |  |
| 60636 | 42    |        | 60     |        |        | 700  |   |  |  |
| 58455 | 43    |        | 61     |        |        | 610  |   |  |  |
| 57340 | 44    | 60     | 60     |        |        |      |   |  |  |
| 57341 | 45    |        |        |        |        | 700  |   |  |  |
| 60637 | 46    |        | 65     |        |        |      |   |  |  |
| 57342 | 47    | 65     |        |        | 28     |      |   |  |  |
| 63880 | 48    |        |        |        |        |      |   |  |  |
| 60638 | 50    | 70     | 70     |        |        | 1100 |   |  |  |
| 57345 | 51    |        |        |        |        |      |   |  |  |
| 63881 | 54    |        |        | 55     | 32     |      |   |  |  |
| 63891 | 55    | 75     | 75     |        |        | 1250 |   |  |  |
| 63921 | 60    |        | 85     |        | 43     | 1300 |   |  |  |

■ DIN 3129

CARACTERÍSTICAS

Cr-Mo

INCH



| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | g |  |   |
|-------|---------|--------|--------|--------|--------|------|---|--|---|
| 58453 | 11/16   |        | 29     | 38     | 16     | 220  |   |  |   |
| 65227 | 3/4     |        | 33     |        |        |      |   |  |   |
| 65228 | 13/16   |        | 35     |        |        |      |   |  |   |
| 65229 | 7/8     | 50     | 37     |        | 18     |      |   |  |   |
| 65230 | 15/16   |        | 39     |        |        | 230  |   |  |   |
| 65231 | 1       |        | 41     |        | 22     |      |   |  |   |
| 65232 | 1.1/16  |        | 43     |        | 26     |      |   |  |   |
| 65233 | 1.1/8   |        | 45     |        |        | 310  |   |  |   |
| 65234 | 1.3/16  |        | 46     |        |        | 420  |   |  |   |
| 65235 | 1.1/4   | 55     | 49     |        |        | 440  |   |  |   |
| 65236 | 1.5/16  |        | 50     |        |        | 460  |   |  |   |
| 65237 | 1.3/8   |        |        | 44     |        | 480  |   |  |   |
| 65238 | 1.7/16  |        | 55     |        | 27     | 500  |   |  |   |
| 65239 | 1.1/2   |        |        |        |        | 550  | 6 |  | 1 |
| 68689 | 1.9/16  |        | 58     |        |        | 600  |   |  |   |
| 65240 | 1.5/8   | 60     | 60     |        |        |      |   |  |   |
| 65241 | 1.11/16 |        |        |        |        |      |   |  |   |
| 65242 | 1.3/4   |        | 65     |        |        | 700  |   |  |   |
| 57344 | 1.13/16 |        |        |        |        |      |   |  |   |
| 65243 | 1.7/8   | 65     | 70     |        |        | 750  |   |  |   |
| 57346 | 1.15/16 |        |        |        |        |      |   |  |   |
| 65244 | 2       |        |        |        | 28     |      |   |  |   |
| 57347 | 2.1/16  | 70     | 75     |        |        | 1100 |   |  |   |
| 57354 | 2.3/32  |        |        | 55     |        |      |   |  |   |
| 57348 | 2.1/8   |        |        |        |        |      |   |  |   |
| 68688 | 2.3/16  | 75     | 80     |        |        | 1350 |   |  |   |
| 57999 | 2.1/4   |        |        |        | 35     | 1450 |   |  |   |

■ DIN 3129

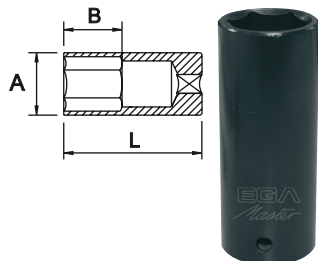
CARACTERÍSTICAS

Cr-Mo

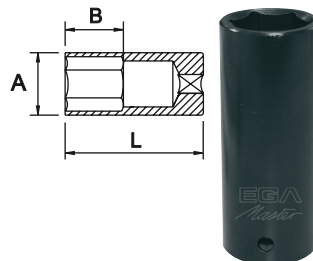
■ SERIE LARGA 6PT

3/4"

MM



INCH



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | Pt  | g    | 1 | 2 |
|-------|-------|--------|--------|--------|-----|------|---|---|
| 60678 | 17    |        | 31     |        |     | 500  |   |   |
| 60679 | 19    |        | 33     |        |     |      |   |   |
| 57349 | 20    |        | 34     |        |     |      |   |   |
| 60680 | 21    |        | 35     | 28     | 600 |      |   |   |
| 60681 | 22    |        | 37     |        |     |      |   |   |
| 57350 | 23    |        | 39     |        |     |      |   |   |
| 60682 | 24    |        | 40     |        |     |      |   |   |
| 57351 | 25    |        | 41     | 36     |     |      |   |   |
| 60683 | 26    |        | 42     | 50     | 650 |      |   |   |
| 60684 | 27    |        | 44     |        |     |      |   |   |
| 57352 | 28    |        | 45     |        |     |      |   |   |
| 57353 | 29    | 90     | 46     | 55     | 6   | 850  | 1 |   |
| 60685 | 30    |        | 49     |        |     |      |   |   |
| 60686 | 32    |        | 50     |        |     | 900  |   |   |
| 60687 | 33    |        | 55     | 60     |     | 950  |   |   |
| 60688 | 34    |        | 60     |        |     |      |   |   |
| 60689 | 36    |        | 61     |        |     | 940  |   |   |
| 60690 | 38    |        | 65     | 44     |     | 1000 |   |   |
| 60691 | 41    |        | 70     |        |     | 1100 |   |   |
| 63895 | 42    |        | 75     |        |     | 1200 |   |   |
| 58456 | 43    |        |        |        |     | 1400 |   |   |
| 63945 | 44    |        |        |        |     |      |   |   |
| 63896 | 48    |        |        |        |     |      |   |   |
| 63897 | 50    |        |        |        |     |      |   |   |
| 58459 | 54    |        |        |        |     |      |   |   |

⊗ DIN 3129

CARACTERÍSTICAS

Cr-Mo

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt  | g    | 1 | 2 |
|-------|---------|--------|--------|--------|-----|------|---|---|
| 58001 | 3/4     |        | 33     |        |     | 550  |   |   |
| 58002 | 13/16   |        | 35     |        |     |      |   |   |
| 58003 | 7/8     |        | 37     | 26     | 600 |      |   |   |
| 58004 | 15/16   |        | 38     |        |     | 550  |   |   |
| 65245 | 1       |        | 40     |        |     | 600  |   |   |
| 65246 | 1.1/16  |        | 42     | 28     | 650 |      |   |   |
| 65247 | 1.1/8   |        | 44     |        |     | 700  |   |   |
| 65248 | 1.3/16  |        | 46     |        |     | 750  | 1 |   |
| 65249 | 1.1/4   |        | 48     |        |     | 800  |   |   |
| 65250 | 1.5/16  | 90     | 50     | 30     | 6   | 1000 |   |   |
| 65251 | 1.3/8   |        | 55     | 34     |     | 1100 |   |   |
| 57360 | 1.7/16  |        | 60     |        |     | 1150 |   |   |
| 65252 | 1.1/2   |        | 65     | 42     |     |      |   |   |
| 57361 | 1.9/16  |        | 70     | 65     |     |      |   |   |
| 57362 | 1.5/8   |        |        |        |     |      |   |   |
| 57363 | 1.11/16 |        |        |        |     |      |   |   |
| 63946 | 1.3/4   |        |        |        |     |      |   |   |
| 57364 | 1.13/16 |        |        |        |     |      |   |   |
| 57365 | 1.7/8   |        |        |        |     |      |   |   |
| 57366 | 1.15/16 |        |        |        |     |      |   |   |
| 57367 | 2       |        |        |        |     |      |   |   |

⊗ DIN 3129

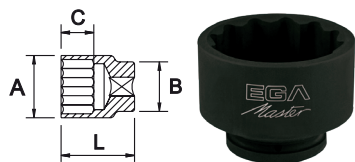
CARACTERÍSTICAS

Cr-Mo

■ STANDARD 12PT

3/4"

MM



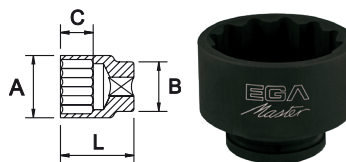
| COD.  | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | g   |  |  |
|-------|-------|--------|--------|--------|--------|------|-----|--|--|
| 53484 | 16    |        | 30     |        |        |      | 350 |  |  |
| 53518 | 17    |        | 31     |        |        |      |     |  |  |
| 53485 | 19    |        | 33     |        |        |      |     |  |  |
| 53446 | 20    |        | 34     |        |        |      |     |  |  |
| 53486 | 21    | 50     | 35     |        | 25     |      |     |  |  |
| 53487 | 22    |        | 36     |        |        |      |     |  |  |
| 53488 | 23    |        | 37     |        |        |      |     |  |  |
| 53489 | 24    |        | 39     |        |        | 400  |     |  |  |
| 53447 | 25    |        | 42     |        |        |      |     |  |  |
| 53490 | 26    |        | 43     |        | 28     |      |     |  |  |
| 53491 | 27    |        | 45     |        |        |      |     |  |  |
| 53492 | 28    |        | 46     |        |        |      |     |  |  |
| 53493 | 29    |        | 47     |        |        |      |     |  |  |
| 53494 | 30    |        | 49     |        |        |      |     |  |  |
| 53448 | 31    |        | 44     |        |        |      |     |  |  |
| 53495 | 32    | 55     |        |        |        | 450  |     |  |  |
| 53496 | 33    |        | 50     |        |        |      |     |  |  |
| 53497 | 34    |        |        |        |        |      |     |  |  |
| 53481 | 35    |        |        |        |        | 12   | 1   |  |  |
| 53498 | 36    |        | 55     |        |        | 500  |     |  |  |
| 53499 | 38    |        |        | 30     |        |      |     |  |  |
| 53449 | 39    |        |        |        |        |      |     |  |  |
| 53450 | 40    |        | 60     |        |        |      |     |  |  |
| 53500 | 41    |        |        |        |        | 700  |     |  |  |
| 53501 | 42    |        |        |        |        |      |     |  |  |
| 53482 | 43    | 60     | 65     |        |        |      |     |  |  |
| 53451 | 44    |        |        |        |        |      |     |  |  |
| 53452 | 45    |        |        |        |        |      |     |  |  |
| 53502 | 46    |        |        |        |        | 750  |     |  |  |
| 53453 | 47    |        |        |        |        |      |     |  |  |
| 53519 | 48    |        | 70     |        |        |      |     |  |  |
| 53503 | 50    | 70     |        |        |        |      |     |  |  |
| 53455 | 51    |        |        | 55     | 35     | 850  |     |  |  |
| 53520 | 54    |        | 75     |        |        |      |     |  |  |
| 53521 | 55    | 75     | 80     |        |        | 900  |     |  |  |
| 53525 | 60    |        | 85     |        |        | 1000 |     |  |  |

■ DIN 3129

CARACTERÍSTICAS

Acero especial

INCH



| COD.  | AF mm   | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | g   |   |  |
|-------|---------|--------|--------|--------|--------|------|-----|---|--|
| 53480 | 11/16   |        | 32     |        |        |      | 350 |   |  |
| 53528 | 3/4     |        | 33     |        |        |      |     |   |  |
| 53529 | 13/16   |        | 35     |        |        |      |     |   |  |
| 53530 | 7/8     | 50     | 36     |        | 25     |      |     |   |  |
| 53531 | 15/16   |        | 39     |        |        | 400  |     |   |  |
| 53532 | 1       |        | 42     |        |        |      |     |   |  |
| 53533 | 1.1/16  |        | 43     |        |        |      |     |   |  |
| 53534 | 1.1/8   |        | 46     |        |        |      |     |   |  |
| 53535 | 1.3/16  |        | 48     |        |        |      |     |   |  |
| 53536 | 1.1/4   |        | 50     | 44     |        | 450  |     |   |  |
| 53537 | 1.5/16  | 55     |        |        |        |      |     |   |  |
| 53538 | 1.3/8   |        |        |        |        |      |     |   |  |
| 53539 | 1.7/16  |        | 55     |        |        | 500  |     |   |  |
| 53540 | 1.1/2   |        |        |        | 30     | 12   |     | 1 |  |
| 53555 | 1.9/16  |        | 60     |        |        |      |     |   |  |
| 53541 | 1.5/8   |        |        |        |        | 700  |     |   |  |
| 53542 | 1.11/16 | 60     |        |        |        |      |     |   |  |
| 53543 | 1.3/4   |        | 65     |        |        |      |     |   |  |
| 53454 | 1.13/16 |        |        |        |        | 750  |     |   |  |
| 53544 | 1.7/8   |        |        |        |        |      |     |   |  |
| 53456 | 1.15/16 |        | 70     |        |        |      |     |   |  |
| 53545 | 2       | 70     |        |        |        | 1050 |     |   |  |
| 53457 | 2.1/16  |        |        |        |        |      |     |   |  |
| 53464 | 2.3/32  |        | 75     | 55     | 35     |      |     |   |  |
| 53458 | 2.1/8   |        |        |        |        | 1100 |     |   |  |
| 53554 | 2.3/16  | 75     | 80     |        |        | 1350 |     |   |  |
| 53473 | 2.1/4   |        |        |        |        |      |     |   |  |

■ DIN 3129

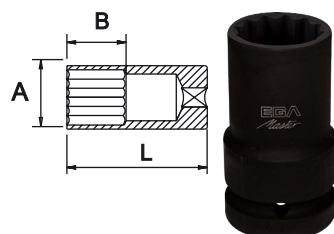
CARACTERÍSTICAS

Acero especial

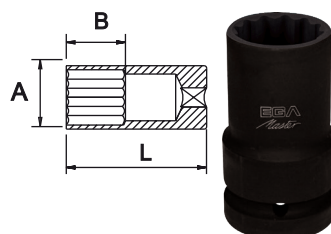
■ SERIE LARGA 12PT

3/4"

MM



INCH



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | Pt | g    |   |  |
|-------|-------|--------|--------|--------|----|------|---|--|
| 53504 | 17    |        | 31     |        |    | 550  |   |  |
| 53505 | 19    |        | 33     |        |    |      |   |  |
| 53459 | 20    |        | 34     |        |    | 600  |   |  |
| 53506 | 21    |        | 35     |        |    |      |   |  |
| 53507 | 22    |        | 36     | 25     |    |      |   |  |
| 53460 | 23    |        | 38     |        |    | 650  |   |  |
| 53508 | 24    |        | 39     |        |    |      |   |  |
| 53461 | 25    |        | 42     |        |    |      |   |  |
| 53509 | 26    |        | 43     | 26     |    | 700  |   |  |
| 53510 | 27    |        |        | 28     |    |      |   |  |
| 53462 | 28    |        | 47     |        |    |      |   |  |
| 53463 | 29    | 90     |        |        |    |      |   |  |
| 53511 | 30    |        | 49     |        | 12 | 800  | 1 |  |
| 53512 | 32    |        | 50     |        |    | 900  |   |  |
| 53513 | 33    |        |        |        |    | 950  |   |  |
| 53514 | 34    |        | 55     | 30     |    |      |   |  |
| 53515 | 36    |        |        |        |    | 1050 |   |  |
| 53516 | 38    |        |        |        |    | 1100 |   |  |
| 53517 | 41    |        | 60     |        |    | 1200 |   |  |
| 53522 | 42    |        |        |        |    | 1450 |   |  |
| 53483 | 43    |        | 65     |        |    |      |   |  |
| 53526 | 44    |        |        |        |    | 1650 |   |  |
| 53523 | 48    | 100    | 70     | 35     |    | 1950 |   |  |
| 53524 | 50    |        |        |        |    |      |   |  |

■ DIN 3129

CARACTERÍSTICAS

Acero especial

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt | g    |   |  |
|-------|---------|--------|--------|--------|----|------|---|--|
| 53474 | 3/4     |        | 33     |        |    |      |   |  |
| 53475 | 13/16   |        | 35     |        |    | 600  |   |  |
| 53476 | 7/8     |        | 36     |        |    |      |   |  |
| 53477 | 15/16   |        | 39     | 25     |    |      |   |  |
| 53546 | 1       |        | 42     |        |    | 700  |   |  |
| 53547 | 1.1/16  |        | 43     |        |    |      |   |  |
| 53548 | 1.1/8   |        | 46     |        |    | 800  |   |  |
| 53549 | 1.3/16  |        | 48     |        |    |      |   |  |
| 53550 | 1.1/4   |        | 50     |        |    | 900  |   |  |
| 53551 | 1.5/16  |        |        |        |    | 950  |   |  |
| 53552 | 1.3/8   | 90     |        |        | 12 | 1050 | 1 |  |
| 53465 | 1.7/16  |        | 55     |        |    |      |   |  |
| 53553 | 1.1/2   |        |        | 30     |    | 1100 |   |  |
| 53466 | 1.9/16  |        | 60     |        |    | 1200 |   |  |
| 53467 | 1.5/8   |        |        |        |    | 1300 |   |  |
| 53468 | 1.11/16 |        |        |        |    |      |   |  |
| 53527 | 1.3/4   |        | 65     |        |    | 1650 |   |  |
| 53469 | 1.13/16 |        |        |        |    |      |   |  |
| 53470 | 1.7/8   |        |        |        |    |      |   |  |
| 53471 | 1.15/16 |        | 70     | 35     |    | 1950 |   |  |
| 53472 | 2       |        |        |        |    |      |   |  |

■ DIN 3129

CARACTERÍSTICAS

Acero especial

■ PUNTAS ATORNILLADORAS DE IMPACTO CON VASO

3/4"

HEXAGONAL

MM

| COD.  |  | L (mm) |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 58731 | 10                                                                                | 100    | 490                                                                               | 10                                                                                | ●                                                                                   |
| 58732 | 12                                                                                |        | 500                                                                               |                                                                                   |                                                                                     |
| 58733 | 14                                                                                |        | 550                                                                               |                                                                                   |                                                                                     |
| 58734 | 17                                                                                |        | 600                                                                               |                                                                                   |                                                                                     |
| 58735 | 19                                                                                |        | 700                                                                               |                                                                                   |                                                                                     |
| 58736 | 22                                                                                |        | 850                                                                               |                                                                                   |                                                                                     |
| 58737 | 24                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58738 | 27                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58739 | 30                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58740 | 32                                                                                |        |                                                                                   |                                                                                   |                                                                                     |



INCH.

| COD.  |  | L (mm) |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 53201 | 3/8                                                                               | 100    | 480                                                                               | 10                                                                                | ●                                                                                   |
| 53202 | 7/16                                                                              |        | 500                                                                               |                                                                                   |                                                                                     |
| 53203 | 1/2                                                                               |        | 550                                                                               |                                                                                   |                                                                                     |
| 53204 | 9/16                                                                              |        | 600                                                                               |                                                                                   |                                                                                     |
| 53205 | 5/8                                                                               |        | 700                                                                               |                                                                                   |                                                                                     |
| 53206 | 11/16                                                                             |        | 750                                                                               |                                                                                   |                                                                                     |
| 53207 | 3/4                                                                               |        | 800                                                                               |                                                                                   |                                                                                     |
| 53208 | 13/16                                                                             |        | 850                                                                               |                                                                                   |                                                                                     |
| 53209 | 7/8                                                                               |        |                                                                                   |                                                                                   |                                                                                     |
| 53210 | 1                                                                                 |        |                                                                                   |                                                                                   |                                                                                     |
| 53211 | 1.1/16                                                                            |        |                                                                                   |                                                                                   |                                                                                     |
| 53212 | 1.1/8                                                                             |        |                                                                                   |                                                                                   |                                                                                     |
| 53213 | 1.3/16                                                                            |        |                                                                                   |                                                                                   |                                                                                     |
| 53214 | 1.1/4                                                                             |        |                                                                                   |                                                                                   |                                                                                     |



TORX®\*

| COD.  |  | L (mm) |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 53216 | T-50                                                                                | 100    | 500                                                                                 | 10                                                                                  | ●                                                                                     |
| 53217 | T-55                                                                                |        | 550                                                                                 |                                                                                     |                                                                                       |
| 53218 | T-60                                                                                |        | 600                                                                                 |                                                                                     |                                                                                       |
| 53219 | T-70                                                                                |        | 700                                                                                 |                                                                                     |                                                                                       |
| 53220 | T-80                                                                                |        | 850                                                                                 |                                                                                     |                                                                                       |
| 53221 | T-90                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 53222 | T-100                                                                               |        |                                                                                     |                                                                                     |                                                                                       |

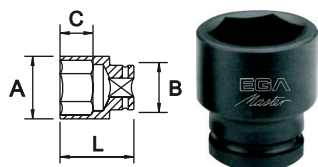


\* Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US)

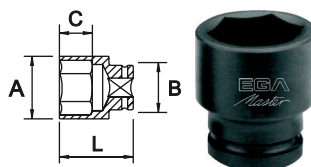
■ STANDARD 6PT

1"

MM



INCH



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | g   |  |  |
|-------|-------|--------|--------|--------|--------|------|-----|--|--|
| 57372 | 20    |        | 37     |        |        |      |     |  |  |
| 57373 | 21    |        | 38     |        |        |      | 500 |  |  |
| 57374 | 22    |        | 39     |        |        |      |     |  |  |
| 57375 | 23    | 60     | 40     |        |        |      |     |  |  |
| 65534 | 24    |        | 42     | 50     | 23     |      |     |  |  |
| 57376 | 25    |        |        |        |        |      |     |  |  |
| 57377 | 26    |        | 44     |        |        |      |     |  |  |
| 65535 | 27    |        | 45     |        |        | 550  |     |  |  |
| 57378 | 28    |        | 46     |        |        |      |     |  |  |
| 57379 | 29    |        | 48     |        |        |      |     |  |  |
| 65536 | 30    |        | 49     |        |        |      |     |  |  |
| 57380 | 31    |        | 50     |        |        |      |     |  |  |
| 65537 | 32    |        |        |        |        | 600  |     |  |  |
| 57140 | 33    |        |        |        | 26     |      |     |  |  |
| 57141 | 34    | 65     | 53     |        |        | 650  |     |  |  |
| 57142 | 35    |        |        |        |        |      |     |  |  |
| 65538 | 36    |        | 55     |        |        | 700  |     |  |  |
| 57381 | 37    |        |        |        |        |      |     |  |  |
| 60640 | 38    |        | 60     |        |        | 800  |     |  |  |
| 57382 | 39    |        |        |        |        |      |     |  |  |
| 63882 | 40    |        |        | 28     | 6      | 850  | 1   |  |  |
| 60641 | 41    |        |        |        |        |      |     |  |  |
| 60642 | 42    |        | 65     |        |        |      |     |  |  |
| 57383 | 44    | 70     |        |        |        | 900  |     |  |  |
| 57384 | 45    |        |        | 55     |        | 950  |     |  |  |
| 60643 | 46    |        |        |        |        |      |     |  |  |
| 57385 | 47    | 75     | 75     |        |        | 1050 |     |  |  |
| 63890 | 48    |        |        | 32     |        |      |     |  |  |
| 60644 | 50    |        |        |        |        |      |     |  |  |
| 60645 | 52    | 80     |        |        |        | 1100 |     |  |  |
| 60646 | 54    |        |        |        |        | 1150 |     |  |  |
| 60647 | 55    |        | 80     | 45     |        | 1200 |     |  |  |
| 60648 | 56    | 85     |        |        |        | 1250 |     |  |  |
| 60649 | 57    |        |        |        |        | 1300 |     |  |  |
| 60650 | 58    |        | 85     |        |        | 1350 |     |  |  |
| 60651 | 60    |        |        | 47     |        | 1450 |     |  |  |
| 60652 | 62    | 90     | 90     |        |        |      |     |  |  |
| 60653 | 63    |        |        |        |        | 1550 |     |  |  |
| 60654 | 65    | 95     | 95     |        |        |      |     |  |  |
| 60655 | 70    |        | 100    | 50     |        | 1700 |     |  |  |
| 60656 | 75    | 100    | 105    | 85     | 55     | 3600 |     |  |  |
| 63925 | 80    |        | 110    |        |        | 3700 |     |  |  |

■ DIN 3129

CARACTERÍSTICAS

Cr-Mo

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | g |  |  |
|-------|---------|--------|--------|--------|--------|------|---|--|--|
| 58008 | 3/4     |        | 34     |        |        | 500  |   |  |  |
| 58009 | 13/16   |        | 36     | 17     |        |      |   |  |  |
| 58010 | 7/8     | 58     | 40     | 54     |        |      |   |  |  |
| 58011 | 15/16   |        | 42     | 18     |        | 550  |   |  |  |
| 65253 | 1       |        | 44     | 26     |        |      |   |  |  |
| 65254 | 1.1/16  |        | 46     |        |        |      |   |  |  |
| 65255 | 1.1/8   |        | 48     |        |        | 600  |   |  |  |
| 65256 | 1.3/16  |        | 49     |        |        | 650  |   |  |  |
| 65257 | 1.1/4   | 60     | 50     |        |        | 700  |   |  |  |
| 65258 | 1.5/16  |        |        | 27     |        |      |   |  |  |
| 57143 | 1.11/32 |        | 55     |        |        | 750  |   |  |  |
| 65259 | 1.3/8   |        |        |        |        |      |   |  |  |
| 65260 | 1.7/16  |        |        |        |        | 800  |   |  |  |
| 65261 | 1.1/2   | 65     | 60     |        |        |      |   |  |  |
| 65262 | 1.9/16  |        |        | 28     |        |      |   |  |  |
| 65263 | 1.5/8   |        |        |        |        | 850  |   |  |  |
| 65264 | 1.11/16 | 70     | 65     |        |        |      |   |  |  |
| 65265 | 1.3/4   |        |        |        |        | 900  |   |  |  |
| 65266 | 1.13/16 |        | 70     | 55     |        | 950  |   |  |  |
| 65267 | 1.7/8   | 75     |        |        |        | 1000 | 1 |  |  |
| 68690 | 1.15/16 |        |        |        |        |      |   |  |  |
| 65268 | 2       |        | 75     | 32     |        | 1100 |   |  |  |
| 68691 | 2.1/16  |        |        |        |        |      |   |  |  |
| 65269 | 2.1/8   | 80     | 80     |        |        | 1400 |   |  |  |
| 58028 | 2.3/16  |        |        |        |        |      |   |  |  |
| 65270 | 2.1/4   | 85     | 85     |        |        |      |   |  |  |
| 68692 | 2.5/16  |        |        |        |        | 1700 |   |  |  |
| 65271 | 2.3/8   |        |        |        |        |      |   |  |  |
| 68693 | 2.7/16  | 90     | 90     | 47     |        | 2000 |   |  |  |
| 65272 | 2.1/2   |        |        |        |        |      |   |  |  |
| 68694 | 2.9/16  |        | 95     |        |        | 2200 |   |  |  |
| 65273 | 2.5/8   | 95     | 97     |        |        | 2250 |   |  |  |
| 58012 | 2.11/16 |        | 99     |        |        | 2550 |   |  |  |
| 58013 | 2.3/4   |        | 101    |        |        | 3250 |   |  |  |
| 58014 | 2.13/16 | 100    | 103    | 86     | 53     | 3400 |   |  |  |
| 58015 | 2.7/8   |        | 104    |        |        | 3500 |   |  |  |
| 58016 | 2.15/16 |        | 108    |        |        | 2800 |   |  |  |
| 57983 | 3       | 90     | 112    | 68     | 50     | 3000 |   |  |  |
| 57984 | 3.1/8   |        |        |        |        | 3500 |   |  |  |
| 58017 | 3.3/16  | 100    | 110    | 86     | 53     |      |   |  |  |

■ DIN 3129

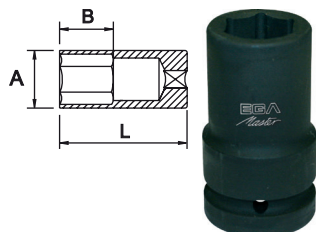
CARACTERÍSTICAS

Cr-Mo

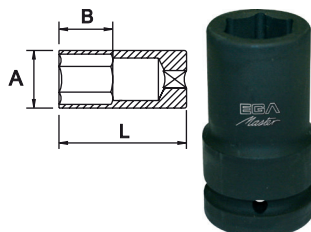
■ SERIE LARGA 6PT

1"

MM



INCH



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | Pt | g    |   |  |
|-------|-------|--------|--------|--------|----|------|---|--|
| 56198 | 19    |        |        |        |    | 750  |   |  |
| 57387 | 21    |        | 40     |        |    |      |   |  |
| 63898 | 22    |        |        | 16     |    |      |   |  |
| 63899 | 23    |        | 41     |        |    | 800  |   |  |
| 65539 | 24    |        | 42     |        |    |      |   |  |
| 57388 | 25    |        | 43     |        |    |      |   |  |
| 63900 | 26    |        | 44     |        |    | 900  |   |  |
| 65540 | 27    |        | 46     |        |    | 950  |   |  |
| 63905 | 28    |        | 47     | 19     |    |      |   |  |
| 63901 | 29    |        | 48     |        |    |      |   |  |
| 65541 | 30    | 90     | 49     |        |    |      |   |  |
| 65542 | 32    |        | 50     |        |    | 1000 |   |  |
| 63902 | 33    |        |        |        | 6  |      |   |  |
| 63903 | 34    |        | 55     |        |    |      | 1 |  |
| 63904 | 35    |        |        | 23     |    |      |   |  |
| 65543 | 36    |        |        |        |    | 1050 |   |  |
| 65544 | 38    |        | 60     |        |    | 1100 |   |  |
| 57392 | 40    |        |        |        |    |      |   |  |
| 63883 | 41    |        |        |        |    | 1200 |   |  |
| 63906 | 42    |        | 65     |        |    | 1300 |   |  |
| 63907 | 43    |        |        | 40     |    |      |   |  |
| 65546 | 46    |        | 70     |        |    | 1500 |   |  |
| 57393 | 47    | 100    | 75     |        |    | 1600 |   |  |
| 65547 | 50    |        | 80     |        |    | 1900 |   |  |
| 63908 | 55    |        |        | 50     |    | 2500 |   |  |
| 63909 | 60    | 120    | 90     |        |    |      |   |  |

■ DIN 3129

CARACTERÍSTICAS

Cr-Mo

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt | g    |   |  |
|-------|---------|--------|--------|--------|----|------|---|--|
| 58018 | 3/4     |        | 34     |        |    | 700  |   |  |
| 58019 | 13/16   |        | 36     |        |    |      |   |  |
| 58020 | 7/8     |        | 40     | 19     |    | 800  |   |  |
| 58021 | 15/16   | 90     | 42     |        |    |      |   |  |
| 57398 | 1       |        | 43     |        |    |      |   |  |
| 57399 | 1.1/16  |        | 45     |        |    | 850  |   |  |
| 65274 | 1.1/8   |        | 48     | 30     |    | 1200 |   |  |
| 65275 | 1.3/16  |        | 49     |        |    |      |   |  |
| 65276 | 1.1/4   |        | 50     |        |    |      |   |  |
| 65277 | 1.5/16  |        |        |        |    | 1250 |   |  |
| 65278 | 1.3/8   |        | 55     | 35     |    | 1300 |   |  |
| 65279 | 1.7/16  |        |        |        |    | 1350 |   |  |
| 65280 | 1.1/2   |        | 60     |        | 6  | 1400 | 1 |  |
| 65281 | 1.9/16  |        |        |        |    | 1450 |   |  |
| 65282 | 1.5/8   |        | 65     |        |    | 1550 |   |  |
| 65283 | 1.11/16 | 110    |        |        |    | 1600 |   |  |
| 65284 | 1.3/4   |        | 70     | 42     |    | 1650 |   |  |
| 65285 | 1.13/16 |        |        |        |    | 1700 |   |  |
| 65286 | 1.7/8   |        | 75     |        |    | 1800 |   |  |
| 57400 | 1.15/16 |        |        |        |    | 1800 |   |  |
| 65287 | 2       |        |        |        |    | 1900 |   |  |
| 58022 | 2.1/16  |        | 78     |        |    | 2050 |   |  |
| 58023 | 2.1/8   |        | 80     | 55     |    | 2200 |   |  |
| 58024 | 2.3/16  |        |        |        |    | 2400 |   |  |
| 58025 | 2.1/4   |        | 85     |        |    |      |   |  |
| 58026 | 2.5/16  | 120    |        | 60     |    |      |   |  |
| 58027 | 2.3/8   |        |        |        |    |      |   |  |

■ DIN 3129

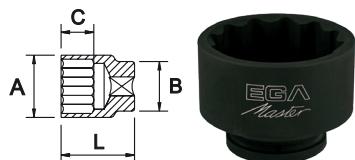
CARACTERÍSTICAS

Cr-Mo

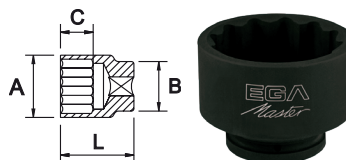
STANDARD 12PT

1"

MM



INCH



| COD.  | AF <sub>mm</sub> | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | g |  |  |
|-------|------------------|--------|--------|--------|--------|------|---|--|--|
| 53316 | 20               |        | 35     |        |        |      |   |  |  |
| 53317 | 21               |        | 36     |        |        |      |   |  |  |
| 53318 | 22               |        | 37     |        |        |      |   |  |  |
| 53319 | 23               | 55     | 38     | 55     | 25     | 700  |   |  |  |
| 53428 | 24               |        | 40     |        |        |      |   |  |  |
| 53320 | 25               |        | 41     |        |        |      |   |  |  |
| 53321 | 26               |        | 42     |        |        |      |   |  |  |
| 53429 | 27               |        | 45     |        |        |      |   |  |  |
| 53322 | 28               |        | 47     |        |        |      |   |  |  |
| 53323 | 29               |        | 48     |        |        |      |   |  |  |
| 53430 | 30               |        | 50     |        |        | 750  |   |  |  |
| 53324 | 31               |        |        |        |        |      |   |  |  |
| 53431 | 32               | 60     |        |        | 30     |      |   |  |  |
| 53312 | 33               |        | 55     |        |        | 800  |   |  |  |
| 53313 | 34               |        |        | 60     |        | 850  |   |  |  |
| 53314 | 35               |        |        |        |        |      |   |  |  |
| 53432 | 36               |        | 60     |        |        | 900  |   |  |  |
| 53325 | 37               |        |        |        |        |      |   |  |  |
| 53360 | 38               |        |        |        |        |      |   |  |  |
| 53326 | 39               |        |        |        |        |      |   |  |  |
| 53377 | 40               | 65     | 65     |        | 12     | 950  | 1 |  |  |
| 53361 | 41               |        |        |        |        |      |   |  |  |
| 53362 | 42               |        |        |        | 35     | 1000 |   |  |  |
| 53327 | 44               |        |        |        |        |      |   |  |  |
| 53328 | 45               | 70     | 70     |        |        | 1300 |   |  |  |
| 53363 | 46               |        |        |        |        |      |   |  |  |
| 53329 | 47               |        |        |        |        |      |   |  |  |
| 53379 | 48               |        | 75     |        |        | 1400 |   |  |  |
| 53364 | 50               |        |        |        |        | 1500 |   |  |  |
| 53365 | 52               | 75     | 80     |        |        | 1600 |   |  |  |
| 53366 | 54               |        |        |        |        | 1680 |   |  |  |
| 53367 | 55               |        |        | 70     | 40     | 1700 |   |  |  |
| 53368 | 56               |        |        |        |        | 1800 |   |  |  |
| 53369 | 57               |        | 85     |        |        | 1900 |   |  |  |
| 53370 | 58               |        |        |        |        |      |   |  |  |
| 53371 | 60               | 85     | 90     |        |        | 2100 |   |  |  |
| 53372 | 62               |        |        |        |        |      |   |  |  |
| 53373 | 63               |        |        |        |        |      |   |  |  |
| 53374 | 65               |        | 95     |        |        | 2200 |   |  |  |
| 53375 | 70               |        | 100    |        |        | 2500 |   |  |  |
| 53376 | 75               | 90     | 105    |        | 50     | 2800 |   |  |  |
| 53392 | 80               |        | 110    |        |        | 3000 |   |  |  |

DIN 3129

CARACTERÍSTICAS

Cr-Mo

| COD.  | AF <sub>inch</sub> | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | g  |  |   |
|-------|--------------------|--------|--------|--------|--------|------|----|--|---|
| 53340 | 3/4                |        | 34     |        |        |      |    |  |   |
| 53341 | 13/16              |        | 35     |        |        |      |    |  |   |
| 53342 | 7/8                | 55     | 37     | 55     | 25     | 700  |    |  |   |
| 53343 | 15/16              |        | 40     |        |        |      |    |  |   |
| 53393 | 1                  |        | 41     |        |        |      |    |  |   |
| 53394 | 1.1/16             |        | 45     |        |        |      |    |  |   |
| 53395 | 1.1/8              |        | 48     |        |        |      |    |  |   |
| 53396 | 1.3/16             |        | 50     |        |        | 750  |    |  |   |
| 53397 | 1.1/4              |        |        |        |        |      |    |  |   |
| 53398 | 1.5/16             | 60     | 55     |        |        | 800  |    |  |   |
| 53315 | 1.11/32            |        |        | 60     | 30     | 850  |    |  |   |
| 53399 | 1.3/8              |        |        |        |        | 900  |    |  |   |
| 53400 | 1.7/16             |        | 60     |        |        | 950  |    |  |   |
| 53401 | 1.1/2              | 65     | 65     |        |        | 1000 |    |  |   |
| 53402 | 1.9/16             |        |        |        |        | 1300 |    |  |   |
| 53403 | 1.5/8              |        |        |        |        | 1400 | 12 |  | 1 |
| 53404 | 1.11/16            |        |        |        |        |      |    |  |   |
| 53405 | 1.3/4              | 70     | 70     |        | 35     | 1500 |    |  |   |
| 53406 | 1.13/16            |        |        |        |        |      |    |  |   |
| 53407 | 1.7/8              |        |        |        |        | 1600 |    |  |   |
| 53441 | 1.15/16            |        | 75     |        |        | 1800 |    |  |   |
| 53408 | 2                  |        |        |        |        | 2100 |    |  |   |
| 53442 | 2.1/16             | 75     | 80     |        |        | 2500 |    |  |   |
| 53409 | 2.1/8              |        |        |        |        |      |    |  |   |
| 53410 | 2.1/4              |        | 85     |        | 40     | 2800 |    |  |   |
| 53443 | 2.5/16             |        |        |        |        |      |    |  |   |
| 53411 | 2.3/8              | 85     | 90     | 70     |        | 3000 |    |  |   |
| 53444 | 2.7/16             |        |        |        |        |      |    |  |   |
| 53412 | 2.1/2              |        |        |        |        |      |    |  |   |
| 53445 | 2.9/16             |        |        |        |        |      |    |  |   |
| 53413 | 2.5/8              |        | 95     |        |        |      |    |  |   |
| 53344 | 2.11/16            |        |        |        |        |      |    |  |   |
| 53345 | 2.3/4              |        | 100    |        |        |      |    |  |   |
| 53346 | 2.13/16            |        |        |        |        |      |    |  |   |
| 53347 | 2.7/8              | 90     | 105    |        | 50     | 2800 |    |  |   |
| 53348 | 2.15/16            |        |        |        |        |      |    |  |   |
| 53338 | 3                  |        | 110    |        |        |      |    |  |   |
| 53339 | 3.1/8              |        |        |        |        | 3000 |    |  |   |
| 53349 | 3.3/16             |        | 115    |        |        |      |    |  |   |

DIN 3129

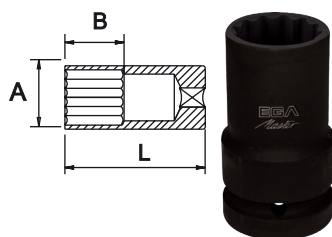
CARACTERÍSTICAS

Cr-Mo

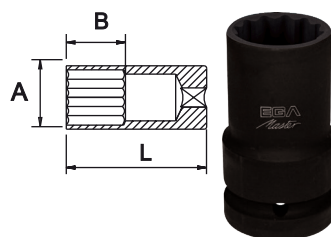
■ SERIE LARGA 12PT

1"

MM



INCH



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | Pt   | g |  |   |
|-------|-------|--------|--------|--------|------|---|--|---|
| 56199 | 19    |        | 34     |        |      |   |  |   |
| 53330 | 20    |        | 35     | 25     | 800  |   |  |   |
| 53331 | 21    |        | 36     |        |      |   |  |   |
| 53380 | 22    |        | 37     |        |      |   |  | • |
| 53381 | 23    |        | 39     |        | 950  |   |  |   |
| 53433 | 24    |        | 40     |        |      |   |  |   |
| 53332 | 25    |        | 42     | 30     |      |   |  |   |
| 53382 | 26    |        | 44     |        |      |   |  |   |
| 53434 | 27    |        | 46     |        | 1000 |   |  |   |
| 53387 | 28    |        | 48     |        |      |   |  |   |
| 53383 | 29    |        | 50     |        |      |   |  |   |
| 53435 | 30    |        |        |        |      |   |  |   |
| 53436 | 32    |        |        |        |      |   |  |   |
| 53384 | 33    | 100    | 55     | 35     | 12   | 1 |  |   |
| 53385 | 34    |        |        |        | 1200 |   |  |   |
| 53386 | 35    |        |        |        |      |   |  |   |
| 53437 | 36    |        | 60     |        |      |   |  | - |
| 53438 | 38    |        |        |        | 1400 |   |  |   |
| 53333 | 40    |        |        |        |      |   |  |   |
| 53378 | 41    |        | 65     |        | 1550 |   |  |   |
| 53388 | 42    |        |        | 40     |      |   |  |   |
| 53389 | 43    |        |        |        | 1600 |   |  |   |
| 53439 | 46    |        | 70     |        | 2100 |   |  |   |
| 53334 | 47    |        |        |        |      |   |  |   |
| 53440 | 50    |        | 75     | 45     | 2400 |   |  |   |
| 53390 | 55    |        | 80     | 50     | 2750 |   |  |   |
| 53391 | 60    |        | 90     |        | 2800 |   |  |   |



DIN 3129

CARACTERÍSTICAS

Cr-Mo

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt   | g  |  |   |
|-------|---------|--------|--------|--------|------|----|--|---|
| 53350 | 3/4     |        | 34     |        |      |    |  |   |
| 53351 | 13/16   |        | 35     |        | 800  |    |  |   |
| 53352 | 7/8     |        | 37     |        |      |    |  | • |
| 53353 | 15/16   |        | 40     |        | 950  |    |  |   |
| 53335 | 1       |        | 43     | 30     |      |    |  |   |
| 53336 | 1.1/16  |        | 45     |        | 1000 |    |  |   |
| 53414 | 1.1/8   |        | 48     |        |      |    |  |   |
| 53415 | 1.3/16  |        | 50     |        |      |    |  |   |
| 53416 | 1.1/4   |        |        |        |      |    |  |   |
| 53417 | 1.5/16  |        | 55     |        | 1200 |    |  |   |
| 53418 | 1.3/8   |        |        |        |      |    |  |   |
| 53419 | 1.7/16  |        |        | 35     |      |    |  |   |
| 53420 | 1.1/2   |        | 60     |        | 1400 |    |  |   |
| 53421 | 1.9/16  | 100    |        |        | 1550 | 12 |  | 1 |
| 53422 | 1.5/8   |        | 65     |        | 1600 |    |  | - |
| 53423 | 1.11/16 |        |        |        |      |    |  |   |
| 53424 | 1.3/4   |        |        |        |      |    |  |   |
| 53425 | 1.13/16 |        | 70     | 40     | 2100 |    |  |   |
| 53426 | 1.7/8   |        |        |        | 2300 |    |  |   |
| 53337 | 1.15/16 |        | 75     |        | 2400 |    |  |   |
| 53427 | 2       |        |        |        |      |    |  |   |
| 53354 | 2.1/16  |        | 80     |        |      |    |  |   |
| 53355 | 2.1/8   |        |        |        |      |    |  |   |
| 53356 | 2.3/16  |        |        |        | 2750 |    |  |   |
| 53357 | 2.1/4   |        | 85     | 45     |      |    |  |   |
| 53358 | 2.5/16  |        |        |        | 2800 |    |  |   |
| 53359 | 2.3/8   |        | 90     |        |      |    |  |   |



DIN 3129

CARACTERÍSTICAS

Cr-Mo

■ PUNTAS ATORNILLADORAS DE IMPACTO CON VASO

1"

HEXAGONAL

MM

| COD.  |  | L (mm) |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 58741 | 10                                                                                | 100    | 700                                                                               | 10                                                                                | •                                                                                   |
| 58742 | 12                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58743 | 14                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58744 | 17                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58745 | 19                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58746 | 22                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58747 | 24                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58748 | 27                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58749 | 30                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 58750 | 32                                                                                |        |                                                                                   |                                                                                   |                                                                                     |



INCH.

| COD.  |  | L (mm) |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 53234 | 3/8                                                                               | 100    | 700                                                                               | 10                                                                                | •                                                                                   |
| 53235 | 7/16                                                                              |        |                                                                                   |                                                                                   |                                                                                     |
| 53236 | 1/2                                                                               |        |                                                                                   |                                                                                   |                                                                                     |
| 53237 | 9/16                                                                              |        |                                                                                   |                                                                                   |                                                                                     |
| 53238 | 5/8                                                                               |        |                                                                                   |                                                                                   |                                                                                     |
| 53239 | 11/16                                                                             |        |                                                                                   |                                                                                   |                                                                                     |
| 53240 | 3/4                                                                               |        |                                                                                   |                                                                                   |                                                                                     |
| 53241 | 13/16                                                                             |        |                                                                                   |                                                                                   |                                                                                     |
| 53242 | 7/8                                                                               |        |                                                                                   |                                                                                   |                                                                                     |
| 53243 | 1                                                                                 |        |                                                                                   |                                                                                   |                                                                                     |
| 53244 | 1.1/16                                                                            | 1000   | 950                                                                               | 10                                                                                | •                                                                                   |
| 53245 | 1.1/8                                                                             |        |                                                                                   |                                                                                   |                                                                                     |
| 53246 | 1.3/16                                                                            |        |                                                                                   |                                                                                   |                                                                                     |
| 53247 | 1.1/4                                                                             |        |                                                                                   |                                                                                   |                                                                                     |



TORX®\*

| COD.  |  | L (mm) |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 53249 | T-50                                                                                | 100    | 700                                                                                 | 10                                                                                  | •                                                                                     |
| 53250 | T-55                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 53251 | T-60                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 53252 | T-70                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 53253 | T-80                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 53254 | T-90                                                                                |        |                                                                                     |                                                                                     |                                                                                       |
| 53255 | T-100                                                                               |        |                                                                                     |                                                                                     |                                                                                       |

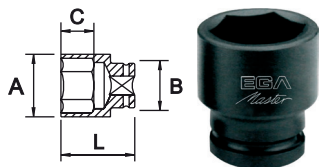


\*Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US)

■ STANDARD 6PT

1.1/2"

MM



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt   | Kg  |   |   |
|-------|-------|--------|--------|--------|--------|------|-----|---|---|
| 63884 | 34    |        |        |        |        |      |     |   |   |
| 65666 | 35    |        |        |        |        |      |     |   |   |
| 65737 | 36    |        | 60     |        |        | 2,2  |     |   |   |
| 63885 | 38    |        |        |        |        |      |     |   |   |
| 63886 | 40    | 80     |        |        | 31     |      |     |   |   |
| 63887 | 41    |        | 70     |        |        |      |     |   |   |
| 63888 | 42    |        |        |        |        | 2,4  |     |   |   |
| 63889 | 43    |        |        |        |        |      |     |   |   |
| 65426 | 46    |        | 75     |        |        |      |     |   |   |
| 65427 | 50    | 85     | 80     |        | 33     |      |     |   |   |
| 65428 | 55    | 90     | 85     |        | 36     | 2,7  |     |   |   |
| 65429 | 60    |        | 90     |        | 39     | 2,8  |     |   |   |
| 65430 | 65    | 95     | 95     |        | 40     | 3,2  |     |   |   |
| 65431 | 70    | 100    | 105    |        | 40     | 3,5  |     |   |   |
| 65432 | 75    | 105    | 110    |        | 40     | 4,0  |     |   |   |
| 68697 | 77    |        |        | 85     | 42     | 6    | 4,5 | 1 | - |
| 65433 | 80    |        | 115    |        |        |      |     |   |   |
| 65434 | 85    | 110    | 120    |        | 50     | 5,0  |     |   |   |
| 65435 | 90    |        | 130    |        |        | 5,5  |     |   |   |
| 65436 | 95    |        | 135    |        |        | 6,0  |     |   |   |
| 65437 | 100   | 115    | 140    |        | 55     | 6,5  |     |   |   |
| 65438 | 105   | 120    | 145    |        |        | 7,5  |     |   |   |
| 65439 | 110   | 125    | 155    |        | 70     | 8,0  |     |   |   |
| 65440 | 115   |        | 160    |        | 72     | 9,0  |     |   |   |
| 65441 | 120   | 130    | 165    |        |        | 10   |     |   |   |
| 65442 | 125   | 135    | 175    |        | 77     |      |     |   |   |
| 65443 | 130   | 140    | 180    |        |        | 12   |     |   |   |
| 65444 | 135   | 145    | 185    |        | 80     | 14   |     |   |   |
| 65445 | 140   |        | 190    |        |        |      |     |   |   |
| 65446 | 145   | 150    | 195    |        |        | 15   |     |   |   |
| 65447 | 150   | 155    | 200    |        | 85     | 15,5 |     |   |   |



DIN 3129

CARACTERÍSTICAS

Cr-Mo

INCH

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | Kg |   |   |
|-------|---------|--------|--------|--------|--------|-----|----|---|---|
| 58029 | 1.5/16  |        | 62     | 86     |        |     |    |   |   |
| 68700 | 1.3/8   |        |        |        |        | 2,2 |    |   |   |
| 68701 | 1.7/16  |        | 65     |        |        |     |    |   |   |
| 68702 | 1.1/2   | 80     |        |        | 31     | 6   |    | 1 | - |
| 68703 | 1.9/16  |        |        |        |        |     |    |   |   |
| 68704 | 1.5/8   |        | 70     | 85     |        |     |    |   |   |
| 68705 | 1.11/16 |        |        |        |        | 2,4 |    |   |   |
| 68706 | 1.3/4   | 85     | 75     |        |        |     |    |   |   |
| 68707 | 1.13/16 |        |        |        |        |     |    |   |   |

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | Kg |   |  |
|-------|---------|--------|--------|--------|--------|-----|----|---|--|
| 68708 | 1.7/8   |        |        |        |        |     |    |   |  |
| 68709 | 1.15/16 |        | 75     |        |        |     |    |   |  |
| 68710 | 2       | 85     |        |        | 31     | 2,4 |    |   |  |
| 68711 | 2.1/16  |        | 80     |        |        |     |    |   |  |
| 68712 | 2.1/8   |        |        |        |        |     |    |   |  |
| 68713 | 2.3/16  |        | 85     |        |        |     |    |   |  |
| 68714 | 2.1/4   |        |        |        | 32     | 2,7 |    |   |  |
| 68715 | 2.5/16  | 90     | 90     |        |        |     |    |   |  |
| 68716 | 2.3/8   |        |        |        |        | 2,8 |    |   |  |
| 68717 | 2.7/16  |        |        |        | 35     |     |    |   |  |
| 68718 | 2.1/2   |        | 95     |        |        |     |    |   |  |
| 68719 | 2.9/16  | 95     |        |        |        | 3,2 |    |   |  |
| 68720 | 2.5/8   |        |        |        |        |     |    |   |  |
| 68721 | 2.11/16 |        | 100    |        | 40     |     |    |   |  |
| 68722 | 2.3/4   | 100    |        |        |        | 3,5 |    |   |  |
| 68723 | 2.13/16 |        | 105    |        |        |     |    |   |  |
| 68724 | 2.7/8   |        |        |        |        |     |    |   |  |
| 68725 | 2.15/16 | 105    | 110    | 85     | 42     | 4,0 |    |   |  |
| 68726 | 3       |        |        |        |        |     |    |   |  |
| 68727 | 3.1/16  |        |        |        |        |     |    |   |  |
| 68728 | 3.1/8   |        |        |        |        |     |    |   |  |
| 68729 | 3.3/16  |        | 115    |        |        | 4,5 |    |   |  |
| 68730 | 3.1/4   |        | 120    |        | 6      |     | 1  | - |  |
| 68731 | 3.5/16  |        |        |        |        |     |    |   |  |
| 68732 | 3.3/8   |        |        |        | 50     | 5,0 |    |   |  |
| 68733 | 3.7/16  | 110    | 125    |        |        |     |    |   |  |
| 68734 | 3.1/2   |        |        |        |        |     |    |   |  |
| 68735 | 3.9/16  |        | 130    |        |        | 5,5 |    |   |  |
| 68736 | 3.5/8   |        |        |        |        |     |    |   |  |
| 68737 | 3.11/16 |        |        |        |        |     |    |   |  |
| 68738 | 3.3/4   |        | 135    |        |        | 6,0 |    |   |  |
| 68739 | 3.13/16 |        |        |        |        |     |    |   |  |
| 68740 | 3.7/8   |        |        |        |        |     |    |   |  |
| 68741 | 3.15/16 | 115    | 140    |        | 55     | 6,5 |    |   |  |
| 68742 | 4       |        |        |        |        |     |    |   |  |
| 58030 | 4.1/8   | 120    | 146    | 86     |        | 9,0 |    |   |  |
| 58031 | 4.3/16  |        | 148    |        |        | 10  |    |   |  |
| 58032 | 4.1/4   |        | 151    |        |        |     |    |   |  |
| 58033 | 4.5/16  | 124    | 153    |        | 70     |     |    |   |  |
| 58034 | 4.3/8   |        | 156    |        |        | 11  |    |   |  |
| 58035 | 4.7/16  |        | 158    |        |        |     |    |   |  |
| 58036 | 4.1/2   | 128    | 160    | 127    | 72     | 12  |    |   |  |
| 58037 | 4.5/8   |        | 163    |        |        | 13  |    |   |  |
| 58038 | 4.3/4   | 132    | 166    |        | 77     | 14  |    |   |  |
| 58039 | 5       | 136    | 175    |        |        | 16  |    |   |  |



DIN 3129

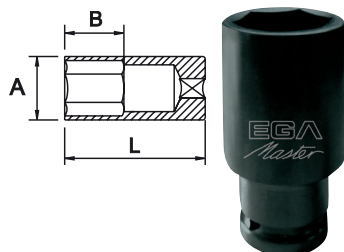
CARACTERÍSTICAS

Cr-Mo

■ SERIE LARGA 6PT

1.1/2"

MM



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | Pt  | Kg |   |  |
|-------|-------|--------|--------|--------|-----|----|---|--|
| 56100 | 34    |        |        |        |     |    |   |  |
| 56101 | 35    |        | 60     |        | 2,8 |    |   |  |
| 56102 | 36    |        |        |        |     |    |   |  |
| 56103 | 38    | 120    |        |        | 2,9 |    |   |  |
| 56104 | 40    |        |        | 31     |     |    |   |  |
| 56105 | 41    |        | 70     |        | 3,0 |    |   |  |
| 56106 | 42    |        |        |        | 3,2 |    |   |  |
| 56107 | 43    |        | 75     |        | 3,3 |    |   |  |
| 56108 | 46    |        |        |        | 3,8 |    |   |  |
| 56109 | 50    |        | 80     | 33     | 4,0 |    |   |  |
| 56110 | 55    | 150    | 85     | 36     | 4,5 |    |   |  |
| 56111 | 60    |        | 90     |        | 5,0 |    |   |  |
| 56112 | 65    |        | 95     | 39     | 5,5 |    |   |  |
| 56113 | 70    |        | 105    | 40     | 6,5 |    |   |  |
| 56114 | 75    | 170    | 110    |        | 7,0 |    |   |  |
| 56115 | 77    |        | 115    | 42     | 7,5 | 1  | - |  |
| 56116 | 80    |        |        |        | 8,0 |    |   |  |
| 56117 | 85    |        | 120    | 50     | 8,5 |    |   |  |
| 56118 | 90    | 180    | 130    |        | 9,0 |    |   |  |
| 56119 | 95    |        | 135    | 55     | 9,5 |    |   |  |
| 56120 | 100   |        | 140    |        | 10  |    |   |  |
| 56121 | 105   |        | 145    |        | 11  |    |   |  |
| 56122 | 110   |        | 155    | 60     | 14  |    |   |  |
| 56123 | 115   | 190    | 160    |        | 16  |    |   |  |
| 56124 | 120   |        | 165    |        | 18  |    |   |  |
| 56125 | 125   |        | 175    | 75     | 19  |    |   |  |
| 56126 | 130   |        | 180    |        | 21  |    |   |  |
| 56127 | 135   |        | 185    |        | 22  |    |   |  |
| 56128 | 140   | 200    | 190    | 80     | 23  |    |   |  |
| 56129 | 145   |        | 195    |        | 24  |    |   |  |
| 56130 | 150   |        | 200    | 85     | 25  |    |   |  |

⊗ DIN 3129

CARACTERÍSTICAS

Cr-Mo

INCH

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt  | Kg |   |   |
|-------|---------|--------|--------|--------|-----|----|---|---|
| 58041 | 1.5/16  |        | 62     |        | 2,7 |    |   |   |
| 56131 | 1.3/8   |        |        |        | 2,8 |    |   |   |
| 56132 | 1.7/16  |        | 65     |        |     |    |   |   |
| 56133 | 1.1/2   | 120    |        | 31     | 2,9 |    | 1 | - |
| 56134 | 1.9/16  |        | 70     |        |     |    |   |   |
| 56135 | 1.5/8   |        |        |        | 3,0 |    |   |   |
| 56136 | 1.11/16 |        | 75     |        | 3,1 |    |   |   |
| 56137 | 1.3/4   |        |        |        | 3,2 |    |   |   |

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt   | Kg |   |   |
|-------|---------|--------|--------|--------|------|----|---|---|
| 56138 | 1.13/16 |        |        |        |      |    |   |   |
| 56139 | 1.7/8   |        | 75     | 31     | 3,8  |    |   |   |
| 56140 | 1.15/16 |        |        | 33     |      |    |   |   |
| 56141 | 2       |        | 80     |        | 4,0  |    |   |   |
| 56142 | 2.1/16  |        |        |        |      |    |   |   |
| 56143 | 2.1/8   |        | 85     | 36     |      |    |   |   |
| 56144 | 2.3/16  |        |        |        | 4,5  |    |   |   |
| 56145 | 2.1/4   | 150    |        |        |      |    |   |   |
| 56146 | 2.5/16  |        | 90     |        |      |    |   |   |
| 56147 | 2.3/8   |        |        | 39     | 5,0  |    |   |   |
| 56148 | 2.7/16  |        |        |        |      |    |   |   |
| 56149 | 2.1/2   |        | 95     |        |      |    |   |   |
| 56150 | 2.9/16  |        |        |        | 5,5  |    |   |   |
| 56151 | 2.5/8   |        |        |        | 6,0  |    |   |   |
| 56152 | 2.11/16 |        | 100    |        |      |    |   |   |
| 56153 | 2.3/4   |        |        | 40     | 6,5  |    |   |   |
| 56154 | 2.13/16 |        | 105    |        |      |    |   |   |
| 56155 | 2.7/8   | 170    |        |        |      |    |   |   |
| 56156 | 2.15/16 |        |        |        | 7,0  |    |   |   |
| 56157 | 3       |        | 110    | 42     |      |    |   |   |
| 56158 | 3.1/16  |        |        |        | 6    |    | 1 | - |
| 56159 | 3.1/8   |        | 115    |        |      |    |   |   |
| 56160 | 3.3/16  |        |        |        | 8,0  |    |   |   |
| 56161 | 3.1/4   |        | 120    |        |      |    |   |   |
| 56162 | 3.5/16  |        |        | 50     | 8,5  |    |   |   |
| 56163 | 3.3/8   |        |        |        |      |    |   |   |
| 56164 | 3.7/16  |        | 125    |        | 9,0  |    |   |   |
| 56165 | 3.1/2   |        |        |        |      |    |   |   |
| 56166 | 3.9/16  | 180    |        |        |      |    |   |   |
| 56167 | 3.5/8   |        | 130    |        |      |    |   |   |
| 56168 | 3.11/16 |        |        | 55     |      |    |   |   |
| 56169 | 3.3/4   |        | 135    |        | 9,5  |    |   |   |
| 56170 | 3.13/16 |        |        |        |      |    |   |   |
| 56171 | 3.7/8   |        |        |        | 10,0 |    |   |   |
| 56172 | 3.15/16 |        | 140    |        | 10,5 |    |   |   |
| 56173 | 4       |        |        |        |      |    |   |   |
| 58042 | 4.1/16  |        | 143    |        |      |    |   |   |
| 58043 | 4.1/8   |        | 146    |        | 11   |    |   |   |
| 58044 | 4.3/16  |        | 148    |        | 12   |    |   |   |
| 58045 | 4.1/4   |        | 151    |        | 13   |    |   |   |
| 58046 | 4.5/16  | 190    |        | 60     | 14   |    |   |   |
| 58047 | 4.3/8   |        | 156    |        | 14   |    |   |   |
| 58048 | 4.1/2   |        | 160    |        | 16   |    |   |   |
| 58049 | 4.5/8   |        | 163    |        | 17   |    |   |   |
| 58050 | 4.3/4   |        | 166    | 77     | 18   |    |   |   |

⊗ DIN 3129

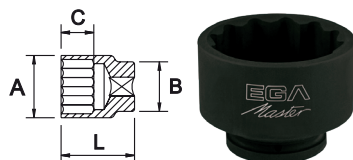
CARACTERÍSTICAS

Cr-Mo

■ STANDARD 12PT

1.1/2"

MM



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg  |   |   |
|-------|-------|--------|--------|--------|--------|----|-----|---|---|
| 53919 | 32    | 75     | 55     |        |        |    | 2   |   |   |
| 53651 | 34    |        |        |        |        |    | 2,2 |   |   |
| 53679 | 35    |        | 60     |        |        |    | 2,5 |   |   |
| 53680 | 36    |        |        |        |        |    |     |   |   |
| 53652 | 38    | 80     |        |        | 31     |    |     |   |   |
| 53653 | 40    |        |        |        |        |    | 2,6 |   |   |
| 53654 | 41    |        | 70     |        |        |    |     |   |   |
| 53655 | 42    |        |        |        |        |    |     |   |   |
| 53656 | 43    |        | 75     |        |        |    | 2,7 |   |   |
| 53657 | 46    | 85     | 80     |        | 33     |    | 2,8 |   |   |
| 53658 | 50    |        |        |        | 36     |    | 3   |   |   |
| 53659 | 55    | 90     | 85     | 85     | 39     |    | 3,2 |   |   |
| 53660 | 60    |        | 90     |        |        |    | 3,6 |   |   |
| 53661 | 65    | 95     | 95     |        | 40     |    | 4   |   |   |
| 53662 | 70    | 100    | 105    |        | 42     | 12 | 5   | 1 | - |
| 53663 | 75    | 105    | 110    |        |        |    | 6   |   |   |
| 53681 | 77    |        | 115    |        | 50     |    | 7   |   |   |
| 53664 | 80    | 110    | 120    |        |        |    |     |   |   |
| 53665 | 85    |        | 130    |        |        |    |     |   |   |
| 53666 | 90    |        | 135    |        |        |    |     |   |   |
| 53667 | 95    | 115    | 140    |        | 55     |    | 9   |   |   |
| 53668 | 100   | 120    | 145    |        |        |    | 11  |   |   |
| 53669 | 105   | 125    | 155    |        | 70     |    | 12  |   |   |
| 53670 | 110   | 130    | 160    |        | 75     |    | 13  |   |   |
| 53671 | 115   |        | 165    |        |        |    | 15  |   |   |
| 53672 | 120   | 135    | 175    |        |        |    | 17  |   |   |
| 53673 | 125   | 140    | 180    | 125    |        |    | 18  |   |   |
| 53674 | 130   | 145    | 185    |        | 80     |    | 19  |   |   |
| 53675 | 135   | 150    | 195    |        |        |    |     |   |   |
| 53676 | 140   |        | 200    |        | 85     |    |     |   |   |
| 53677 | 145   |        |        |        |        |    |     |   |   |
| 53678 | 150   |        |        |        |        |    |     |   |   |



DIN 3129

CARACTERÍSTICAS

CrMo

INCH

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg  |   |   |
|-------|---------|--------|--------|--------|--------|----|-----|---|---|
| 53630 | 1.5/16  |        | 60     |        |        |    | 2,2 |   |   |
| 53682 | 1.3/8   |        |        |        |        |    | 2,6 |   |   |
| 53683 | 1.7/16  |        | 65     |        |        |    | 2,5 |   |   |
| 53684 | 1.1/2   | 80     |        |        | 31     | 12 |     | 1 | - |
| 53685 | 1.9/16  |        | 70     |        |        |    | 2,6 |   |   |
| 53686 | 1.5/8   |        |        |        |        |    |     |   |   |
| 53687 | 1.11/16 |        | 75     |        |        |    | 2,7 |   |   |
| 53688 | 1.3/4   | 85     |        |        |        |    |     |   |   |

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg  |   |   |
|-------|---------|--------|--------|--------|--------|----|-----|---|---|
| 53689 | 1.13/16 |        |        |        |        |    | 2,7 |   |   |
| 53690 | 1.7/8   |        | 75     |        |        |    |     |   |   |
| 53691 | 1.15/16 | 85     |        |        | 31     |    | 2,8 |   |   |
| 53692 | 2       |        | 80     |        |        |    | 2,9 |   |   |
| 53693 | 2.1/16  |        |        |        |        |    | 3   |   |   |
| 53694 | 2.1/8   |        | 85     |        | 32     |    | 3,1 |   |   |
| 53695 | 2.3/16  |        |        |        |        |    | 3,2 |   |   |
| 53696 | 2.1/4   | 90     | 90     |        |        |    | 3,3 |   |   |
| 53697 | 2.5/16  |        |        |        |        |    |     |   |   |
| 53698 | 2.3/8   |        |        |        |        |    |     |   |   |
| 53699 | 2.7/16  |        |        |        | 35     |    | 3,4 |   |   |
| 53700 | 2.1/2   |        | 95     |        |        |    | 3,6 |   |   |
| 53701 | 2.9/16  | 95     |        |        |        |    | 3,7 |   |   |
| 53702 | 2.5/8   |        |        |        |        |    | 3,9 |   |   |
| 53703 | 2.11/16 |        |        |        | 40     |    |     |   |   |
| 53704 | 2.3/4   | 100    |        |        |        |    |     |   |   |
| 53705 | 2.13/16 |        | 105    |        |        |    | 4   |   |   |
| 53706 | 2.7/8   |        |        |        |        |    |     |   |   |
| 53707 | 2.15/16 | 105    | 110    | 85     | 42     |    | 5   |   |   |
| 53708 | 3       |        |        |        |        |    |     |   |   |
| 53709 | 3.1/16  |        |        |        |        |    |     |   |   |
| 53710 | 3.1/8   |        |        |        |        |    |     |   |   |
| 53711 | 3.3/16  |        | 115    |        |        | 12 |     | 1 | - |
| 53712 | 3.1/4   |        | 120    |        |        |    | 6   |   |   |
| 53713 | 3.5/16  |        |        |        |        |    |     |   |   |
| 53714 | 3.3/8   |        |        |        | 50     |    |     |   |   |
| 53715 | 3.7/16  | 110    | 125    |        |        |    |     |   |   |
| 53716 | 3.1/2   |        |        |        |        |    |     |   |   |
| 53717 | 3.9/16  |        | 130    |        |        |    |     |   |   |
| 53718 | 3.5/8   |        |        |        |        |    |     |   |   |
| 53719 | 3.11/16 |        |        |        |        |    | 7   |   |   |
| 53720 | 3.3/4   |        | 135    |        |        |    |     |   |   |
| 53721 | 3.13/16 |        |        |        |        |    |     |   |   |
| 53722 | 3.7/8   |        |        |        | 55     |    | 8   |   |   |
| 53723 | 3.15/16 | 115    | 140    |        |        |    | 9   |   |   |
| 53724 | 4       |        |        |        |        |    | 10  |   |   |
| 53631 | 4.1/8   | 120    | 145    |        |        |    |     |   |   |
| 53632 | 4.3/16  |        | 150    |        |        |    |     |   |   |
| 53633 | 4.1/4   |        |        |        |        |    |     |   |   |
| 53634 | 4.5/16  | 125    | 155    |        |        |    |     |   |   |
| 53635 | 4.3/8   |        |        |        | 70     |    | 11  |   |   |
| 53636 | 4.7/16  |        | 160    |        |        |    | 12  |   |   |
| 53637 | 4.1/2   | 130    | 165    | 125    |        |    | 13  |   |   |
| 53638 | 4.5/8   |        |        |        | 75     |    | 14  |   |   |
| 53639 | 4.3/4   |        |        |        |        |    | 16  |   |   |
| 53640 | 5       | 135    | 175    |        |        |    |     |   |   |



DIN 3129

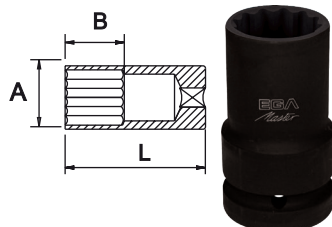
CARACTERÍSTICAS

CrMo

■ SERIE LARGA 12PT

1.1/2"

MM



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | Pt | Kg  |   |   |
|-------|-------|--------|--------|--------|----|-----|---|---|
| 53556 | 34    |        |        |        |    |     |   |   |
| 53557 | 35    |        |        |        |    | 2,8 |   |   |
| 53558 | 36    |        | 60     |        |    |     |   |   |
| 53559 | 38    | 120    |        |        |    | 2,9 |   |   |
| 53560 | 40    |        |        | 31     |    | 3   |   |   |
| 53561 | 41    |        | 70     |        |    |     |   |   |
| 53562 | 42    |        |        |        |    | 3,2 |   |   |
| 53563 | 43    |        |        |        |    | 3,3 |   |   |
| 53564 | 46    |        | 75     |        |    | 3,8 |   |   |
| 53565 | 50    |        | 80     | 33     |    |     |   |   |
| 53566 | 55    | 150    | 75     | 36     |    | 4   |   |   |
| 53567 | 60    |        | 90     |        |    |     |   |   |
| 53568 | 65    |        | 95     | 39     |    | 5   |   |   |
| 53569 | 70    |        | 105    | 40     |    | 6   |   |   |
| 53570 | 75    | 170    | 110    |        |    |     |   |   |
| 53571 | 77    |        |        | 42     | 12 | 7   | 1 | - |
| 53572 | 80    |        | 115    |        |    | 8   |   |   |
| 53573 | 85    |        | 120    | 50     |    |     |   |   |
| 53574 | 90    | 180    | 130    |        |    | 9   |   |   |
| 53575 | 95    |        | 135    | 55     |    |     |   |   |
| 53576 | 100   |        | 140    |        |    | 10  |   |   |
| 53577 | 105   |        | 145    |        |    | 11  |   |   |
| 53578 | 110   |        | 155    | 60     |    | 14  |   |   |
| 53579 | 115   | 190    | 160    |        |    | 16  |   |   |
| 53580 | 120   |        | 165    |        |    | 18  |   |   |
| 53581 | 125   |        | 175    | 75     |    | 19  |   |   |
| 53582 | 130   |        | 180    |        |    | 21  |   |   |
| 53583 | 135   |        | 185    |        |    | 22  |   |   |
| 53584 | 140   | 200    | 190    | 80     |    | 23  |   |   |
| 53585 | 145   |        | 195    |        |    | 24  |   |   |
| 53586 | 150   |        | 200    | 85     |    | 25  |   |   |

⊙ DIN 3129

CARACTERÍSTICAS

CrMo

INCH

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt | Kg  |   |   |
|-------|---------|--------|--------|--------|----|-----|---|---|
| 53641 | 1.5/16  |        | 60     | 30     |    | 2,7 |   |   |
| 53587 | 1.3/8   |        |        |        |    | 2,8 |   |   |
| 53588 | 1.7/16  |        | 65     |        |    | 2,9 |   |   |
| 53589 | 1.1/2   | 120    |        |        |    |     |   |   |
| 53590 | 1.9/16  |        |        |        |    |     |   |   |
| 53591 | 1.5/8   |        | 70     | 31     | 12 | 3   | 1 | - |
| 53592 | 1.11/16 |        |        |        |    | 3,1 |   |   |
| 53593 | 1.3/4   |        | 75     |        |    | 3,2 |   |   |
| 53594 | 1.13/16 | 150    |        |        |    | 3,8 |   |   |

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | Pt | Kg  |   |   |
|-------|---------|--------|--------|--------|----|-----|---|---|
| 53595 | 1.7/8   |        |        | 31     |    | 3,8 |   |   |
| 53596 | 1.15/16 |        | 75     |        |    |     |   |   |
| 53597 | 2       |        |        | 33     |    |     |   |   |
| 53598 | 2.1/16  |        | 80     |        |    | 4   |   |   |
| 53599 | 2.1/8   |        |        | 36     |    |     |   |   |
| 53600 | 2.3/16  |        | 85     |        |    |     |   |   |
| 53601 | 2.1/4   | 150    |        |        |    |     |   |   |
| 53602 | 2.5/16  |        | 90     |        |    |     |   |   |
| 53603 | 2.3/8   |        |        | 39     |    | 5   |   |   |
| 53604 | 2.7/16  |        |        |        |    |     |   |   |
| 53605 | 2.1/2   |        | 95     |        |    |     |   |   |
| 53606 | 2.9/16  |        |        |        |    |     |   |   |
| 53607 | 2.5/8   |        | 100    |        |    |     |   |   |
| 53608 | 2.11/16 |        |        | 40     |    | 6   |   |   |
| 53609 | 2.3/4   |        |        |        |    |     |   |   |
| 53610 | 2.13/16 |        | 105    |        |    |     |   |   |
| 53611 | 2.7/8   | 170    |        |        |    | 7   |   |   |
| 53612 | 2.15/16 |        |        |        |    |     |   |   |
| 53613 | 3       |        | 110    | 42     |    |     |   |   |
| 53614 | 3.1/16  |        |        |        |    |     |   |   |
| 53615 | 3.1/8   |        | 115    |        | 12 |     | 1 | - |
| 53616 | 3.3/16  |        |        |        |    |     |   |   |
| 53617 | 3.1/4   |        | 120    |        |    | 8   |   |   |
| 53618 | 3.5/16  |        |        | 50     |    |     |   |   |
| 53619 | 3.3/8   |        |        |        |    |     |   |   |
| 53620 | 3.7/16  |        | 125    |        |    |     |   |   |
| 53621 | 3.1/2   |        |        |        |    | 9   |   |   |
| 53622 | 3.9/16  | 180    | 130    |        |    |     |   |   |
| 53623 | 3.5/8   |        |        | 55     |    |     |   |   |
| 53624 | 3.11/16 |        |        |        |    |     |   |   |
| 53625 | 3.3/4   |        | 135    |        |    |     |   |   |
| 53626 | 3.13/16 |        |        |        |    | 10  |   |   |
| 53627 | 3.7/8   |        |        |        |    |     |   |   |
| 53628 | 3.15/16 |        | 140    |        |    |     |   |   |
| 53629 | 4       |        |        |        |    |     |   |   |
| 53642 | 4.1/16  |        | 145    |        |    | 11  |   |   |
| 53643 | 4.1/8   |        |        |        |    |     |   |   |
| 53644 | 4.3/16  |        | 150    | 60     |    | 12  |   |   |
| 53645 | 4.1/4   |        |        |        |    | 13  |   |   |
| 53646 | 4.5/16  | 190    | 155    |        |    | 14  |   |   |
| 53647 | 4.3/8   |        |        |        |    |     |   |   |
| 53648 | 4.1/2   |        | 160    |        |    | 16  |   |   |
| 53649 | 4.5/8   |        |        |        |    | 17  |   |   |
| 53650 | 4.3/4   |        | 165    | 75     |    | 18  |   |   |

⊙ DIN 3129

CARACTERÍSTICAS

CrMo

■ PUNTAS ATORNILLADORAS DE IMPACTO CON VASO

1.1/2"

HEXAGONAL

MM

| COD.  |  | L (mm) |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 53257 | 17                                                                                | 105    |                                                                                   |                                                                                   |                                                                                     |
| 53258 | 18                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53259 | 19                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53260 | 20                                                                                |        | 2,3                                                                               |                                                                                   |                                                                                     |
| 53261 | 21                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53262 | 22                                                                                | 110    |                                                                                   |                                                                                   |                                                                                     |
| 53263 | 23                                                                                |        | 2,4                                                                               |                                                                                   |                                                                                     |
| 53264 | 24                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53265 | 25                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53266 | 26                                                                                |        | 2,5                                                                               |                                                                                   |                                                                                     |
| 53267 | 27                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53268 | 28                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53269 | 29                                                                                |        | 2,6                                                                               |                                                                                   |                                                                                     |
| 53270 | 30                                                                                | 115    |                                                                                   |                                                                                   |                                                                                     |
| 53271 | 31                                                                                |        | 2,7                                                                               |                                                                                   |                                                                                     |
| 53272 | 32                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53273 | 33                                                                                |        |                                                                                   | 1                                                                                 | -                                                                                   |
| 53274 | 34                                                                                |        | 2,8                                                                               |                                                                                   |                                                                                     |
| 53275 | 35                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53276 | 36                                                                                | 120    |                                                                                   |                                                                                   |                                                                                     |
| 53277 | 37                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53278 | 38                                                                                |        | 2,9                                                                               |                                                                                   |                                                                                     |
| 53279 | 39                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53280 | 40                                                                                |        | 3,0                                                                               |                                                                                   |                                                                                     |
| 53281 | 41                                                                                | 125    | 3,1                                                                               |                                                                                   |                                                                                     |
| 53282 | 42                                                                                |        | 3,3                                                                               |                                                                                   |                                                                                     |
| 53283 | 43                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53284 | 44                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53285 | 45                                                                                | 130    | 3,4                                                                               |                                                                                   |                                                                                     |
| 53286 | 46                                                                                |        |                                                                                   |                                                                                   |                                                                                     |
| 53287 | 50                                                                                | 135    | 3,9                                                                               |                                                                                   |                                                                                     |
| 53288 | 55                                                                                | 140    | 4,5                                                                               |                                                                                   |                                                                                     |



INCH.

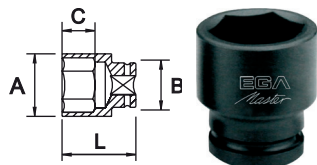
| COD.  |  | L (mm) |  |  |  |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 53289 | 11/16                                                                               | 105    |                                                                                     |                                                                                     |                                                                                       |
| 53290 | 3/4                                                                                 |        |                                                                                     |                                                                                     |                                                                                       |
| 53291 | 13/16                                                                               |        | 2,3                                                                                 |                                                                                     |                                                                                       |
| 53292 | 7/8                                                                                 | 110    |                                                                                     |                                                                                     |                                                                                       |
| 53293 | 15/16                                                                               |        | 2,4                                                                                 |                                                                                     |                                                                                       |
| 53294 | 1                                                                                   |        | 2,5                                                                                 |                                                                                     |                                                                                       |
| 53295 | 1.1/16                                                                              |        |                                                                                     |                                                                                     |                                                                                       |
| 53296 | 1.1/8                                                                               |        | 2,6                                                                                 |                                                                                     |                                                                                       |
| 53297 | 1.3/16                                                                              | 115    | 2,7                                                                                 |                                                                                     |                                                                                       |
| 53298 | 1.1/4                                                                               |        |                                                                                     |                                                                                     |                                                                                       |
| 53299 | 1.5/16                                                                              |        |                                                                                     |                                                                                     |                                                                                       |
| 53300 | 1.3/8                                                                               |        | 2,8                                                                                 | 1                                                                                   | -                                                                                     |
| 53301 | 1.7/16                                                                              | 120    | 2,9                                                                                 |                                                                                     |                                                                                       |
| 53302 | 1.1/2                                                                               |        | 3,0                                                                                 |                                                                                     |                                                                                       |
| 53303 | 1.9/16                                                                              |        | 3,1                                                                                 |                                                                                     |                                                                                       |
| 53304 | 1.5/8                                                                               | 125    | 3,3                                                                                 |                                                                                     |                                                                                       |
| 53305 | 1.11/16                                                                             |        | 3,4                                                                                 |                                                                                     |                                                                                       |
| 53306 | 1.3/4                                                                               |        |                                                                                     |                                                                                     |                                                                                       |
| 53307 | 1.13/16                                                                             | 130    | 3,7                                                                                 |                                                                                     |                                                                                       |
| 53308 | 1.7/8                                                                               |        | 3,8                                                                                 |                                                                                     |                                                                                       |
| 53309 | 1.15/16                                                                             |        | 3,9                                                                                 |                                                                                     |                                                                                       |
| 53310 | 2                                                                                   | 135    | 4,5                                                                                 |                                                                                     |                                                                                       |
| 53311 | 2.3/16                                                                              | 140    |                                                                                     |                                                                                     |                                                                                       |



■ STANDARD 6PT

2.1/2"

MM



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg  |   |   |
|-------|-------|--------|--------|--------|--------|----|-----|---|---|
| 68817 | 41    |        | 80     |        |        |    |     |   |   |
| 68818 | 42    |        |        |        |        |    |     |   |   |
| 68819 | 46    |        | 85     |        |        |    |     |   |   |
| 68820 | 50    | 120    | 90     |        | 36     |    |     |   |   |
| 68821 | 55    |        | 95     |        |        |    | 7,5 |   |   |
| 68822 | 60    |        | 100    |        |        |    |     |   |   |
| 68823 | 65    |        | 105    |        |        |    |     |   |   |
| 65452 | 70    |        | 110    |        | 40     |    |     |   |   |
| 65453 | 75    | 125    | 120    |        | 45     |    |     |   |   |
| 65454 | 80    |        | 125    |        |        |    | 8,0 |   |   |
| 65455 | 85    | 130    | 130    |        |        |    | 8,5 |   |   |
| 65456 | 90    |        | 135    |        | 50     |    | 9,0 |   |   |
| 65457 | 95    |        | 140    |        |        |    | 11  |   |   |
| 65458 | 100   | 140    | 145    |        | 55     |    |     |   |   |
| 65459 | 105   | 145    | 155    |        | 60     |    | 13  |   |   |
| 65460 | 110   | 155    | 160    |        | 65     |    |     |   |   |
| 65461 | 115   |        | 165    |        |        |    | 15  |   |   |
| 65462 | 120   | 160    | 175    |        | 70     |    | 16  |   |   |
| 65463 | 125   | 165    | 180    |        |        |    | 18  |   |   |
| 65464 | 130   | 170    | 185    | 130    | 75     | 6  | 19  | 1 | - |
| 65465 | 135   | 175    | 190    |        |        |    |     |   |   |
| 65466 | 140   | 180    | 200    |        | 80     |    | 20  |   |   |
| 65467 | 145   | 185    |        |        |        |    |     |   |   |
| 65468 | 150   | 190    | 210    |        | 85     |    | 21  |   |   |
| 65469 | 155   | 195    | 220    |        |        |    | 25  |   |   |
| 65470 | 160   |        |        |        | 90     |    | 28  |   |   |
| 65471 | 165   | 200    | 230    |        |        |    | 30  |   |   |
| 65472 | 170   |        |        |        | 95     |    | 32  |   |   |
| 65473 | 175   | 210    | 240    |        |        |    | 35  |   |   |
| 65474 | 180   |        | 250    |        |        |    | 37  |   |   |
| 65475 | 185   | 220    | 260    |        | 110    |    | 40  |   |   |
| 65476 | 190   |        | 270    |        |        |    | 43  |   |   |
| 65477 | 200   |        |        |        |        |    | 46  |   |   |
| 68824 | 205   |        | 280    |        |        |    | 49  |   |   |
| 68825 | 210   |        |        |        | 120    |    | 55  |   |   |
| 68826 | 215   | 230    | 290    |        |        |    | 60  |   |   |
| 68827 | 220   |        | 300    |        |        |    |     |   |   |
| 68828 | 225   |        | 310    |        |        |    | 65  |   |   |



DIN 3129

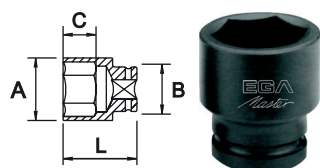
CARACTERÍSTICAS

Cr-Mo

■ STANDARD 6PT

2.1/2"

INCH



| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt  | Kg |  |  |
|-------|---------|--------|--------|--------|--------|-----|----|--|--|
| 68744 | 2       |        | 90     |        |        |     |    |  |  |
| 68745 | 2.1/16  |        |        |        |        |     |    |  |  |
| 68746 | 2.1/8   |        |        |        |        |     |    |  |  |
| 68747 | 2.3/16  |        | 95     |        |        |     |    |  |  |
| 68748 | 2.1/4   |        |        |        | 36     |     |    |  |  |
| 68749 | 2.5/16  | 120    | 100    |        |        | 7,5 |    |  |  |
| 68750 | 2.3/8   |        |        |        |        |     |    |  |  |
| 68751 | 2.7/16  |        |        |        |        |     |    |  |  |
| 68752 | 2.1/2   |        |        |        |        |     |    |  |  |
| 68753 | 2.9/16  |        | 105    |        |        |     |    |  |  |
| 68754 | 2.5/8   |        |        |        |        |     |    |  |  |
| 68755 | 2.11/16 |        |        | 40     |        |     |    |  |  |
| 68756 | 2.3/4   |        | 110    |        |        | 7,6 |    |  |  |
| 68757 | 2.13/16 |        |        |        |        |     |    |  |  |
| 68758 | 2.7/8   |        | 115    |        |        |     |    |  |  |
| 68759 | 2.15/16 |        |        |        | 45     | 7,7 |    |  |  |
| 68760 | 3       | 125    | 120    |        |        |     |    |  |  |
| 68761 | 3.1/16  |        |        |        |        |     |    |  |  |
| 68762 | 3.1/8   |        |        |        |        | 7,8 |    |  |  |
| 68763 | 3.3/16  |        | 125    |        |        |     |    |  |  |
| 68764 | 3.1/4   |        |        |        |        |     |    |  |  |
| 68765 | 3.5/16  |        |        | 50     |        |     |    |  |  |
| 68766 | 3.3/8   |        | 130    |        |        | 8,4 |    |  |  |
| 68767 | 3.7/16  | 130    |        |        |        |     |    |  |  |
| 68768 | 3.1/2   |        |        |        |        |     |    |  |  |
| 68769 | 3.9/16  |        | 135    |        |        | 8,8 |    |  |  |
| 68770 | 3.5/8   |        |        | 130    | 6      |     | 1  |  |  |
| 68771 | 3.11/16 |        |        |        | 55     | 11  |    |  |  |
| 68772 | 3.3/4   |        | 140    |        |        |     |    |  |  |
| 68773 | 3.13/16 | 140    |        |        |        |     |    |  |  |
| 68774 | 3.7/8   |        | 145    |        |        |     |    |  |  |
| 68775 | 3.15/16 |        |        | 60     |        |     |    |  |  |
| 68776 | 4       |        | 150    |        |        |     |    |  |  |
| 68777 | 4.1/16  |        |        |        |        |     |    |  |  |
| 68778 | 4.1/8   | 145    | 155    |        |        | 13  |    |  |  |
| 68779 | 4.3/16  |        |        |        |        |     |    |  |  |
| 68780 | 4.1/4   |        |        |        |        |     |    |  |  |
| 68781 | 4.5/16  | 155    | 160    | 65     |        |     |    |  |  |
| 68782 | 4.3/8   |        |        |        |        |     |    |  |  |
| 68783 | 4.1/2   |        | 165    |        |        |     |    |  |  |
| 68784 | 4.9/16  |        |        |        |        | 15  |    |  |  |
| 68785 | 4.5/8   | 160    | 170    | 70     |        |     |    |  |  |
| 68786 | 4.11/16 |        |        |        |        |     |    |  |  |
| 68787 | 4.3/4   |        | 175    |        |        | 16  |    |  |  |
| 68788 | 4.13/16 |        |        |        |        |     |    |  |  |
| 68789 | 4.7/8   | 165    | 180    | 75     |        | 18  |    |  |  |
| 68790 | 4.15/16 |        |        |        |        |     |    |  |  |
| 68791 | 5       | 170    | 185    |        |        | 19  |    |  |  |
| 68792 | 5.1/4   |        |        |        |        |     |    |  |  |
| 68793 | 5.5/16  | 175    | 190    | 80     |        |     |    |  |  |
| 68794 | 5.3/8   |        |        |        |        |     |    |  |  |
| 68795 | 5.1/2   | 180    | 200    |        |        | 20  |    |  |  |
| 68796 | 5.3/4   | 185    | 210    | 85     |        |     |    |  |  |
| 68797 | 6       |        |        |        |        |     |    |  |  |

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg |   |  |
|-------|---------|--------|--------|--------|--------|----|----|---|--|
| 68798 | 6.1/4   |        | 220    |        |        |    |    |   |  |
| 68799 | 6.5/16  |        |        |        | 90     |    | 28 |   |  |
| 68800 | 6.3/8   | 200    | 230    |        |        |    |    |   |  |
| 68801 | 6.1/2   |        |        |        |        |    | 30 |   |  |
| 68802 | 6.3/4   | 210    | 240    |        | 95     |    | 32 |   |  |
| 68803 | 7       |        |        |        |        |    | 35 |   |  |
| 68804 | 7.1/4   |        | 250    |        | 110    |    |    |   |  |
| 68805 | 7.5/16  |        |        |        |        |    | 40 |   |  |
| 68806 | 7.3/8   | 220    | 260    | 130    |        | 6  |    | 1 |  |
| 68807 | 7.1/2   |        | 270    |        |        |    | 43 |   |  |
| 68808 | 7.3/4   |        | 280    |        |        |    | 49 |   |  |
| 68809 | 8       |        |        |        |        |    | 55 |   |  |
| 68810 | 8.1/4   |        |        | 120    |        |    |    |   |  |
| 68811 | 8.5/16  | 230    | 290    |        |        |    | 60 |   |  |
| 68812 | 8.3/8   |        |        |        |        |    |    |   |  |
| 68813 | 8.1/2   |        |        |        |        |    |    |   |  |
| 68814 | 8.3/4   |        | 300    |        |        |    | 65 |   |  |
| 68815 | 9       |        |        |        |        |    |    |   |  |



DIN 3129

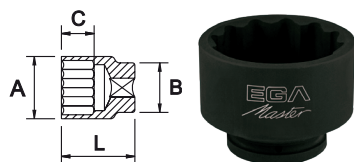
CARACTERÍSTICAS

Cr-Mo

■ STANDARD 12PT

2.1/2"

MM



| COD.  |  | L (mm) | A (mm) | B (mm) | C (mm) | Pt |  |  |  |
|-------|-----------------------------------------------------------------------------------|--------|--------|--------|--------|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 53823 | 41                                                                                |        | 80     |        |        |    | 7                                                                                 |                                                                                   |                                                                                   |
| 53824 | 42                                                                                |        |        |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53825 | 46                                                                                |        | 85     |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53826 | 50                                                                                | 120    | 90     |        | 36     |    |                                                                                   |                                                                                   |                                                                                   |
| 53827 | 55                                                                                |        | 95     |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53828 | 60                                                                                |        | 100    |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53829 | 65                                                                                |        | 105    |        |        |    | 8                                                                                 |                                                                                   |                                                                                   |
| 53725 | 70                                                                                |        | 110    |        | 40     |    |                                                                                   |                                                                                   |                                                                                   |
| 53726 | 75                                                                                | 125    | 120    |        | 45     |    |                                                                                   |                                                                                   |                                                                                   |
| 53727 | 80                                                                                |        | 125    |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53728 | 85                                                                                | 130    | 130    |        | 50     |    |                                                                                   |                                                                                   |                                                                                   |
| 53729 | 90                                                                                |        | 135    |        |        |    | 9                                                                                 |                                                                                   |                                                                                   |
| 53730 | 95                                                                                | 140    | 140    |        | 55     |    | 11                                                                                |                                                                                   |                                                                                   |
| 53731 | 100                                                                               |        | 145    |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53732 | 105                                                                               | 145    | 155    |        | 60     |    | 13                                                                                |                                                                                   |                                                                                   |
| 53733 | 110                                                                               | 155    | 160    |        | 65     |    |                                                                                   |                                                                                   |                                                                                   |
| 53734 | 115                                                                               | 160    | 165    |        |        |    | 15                                                                                |                                                                                   |                                                                                   |
| 53735 | 120                                                                               |        | 175    |        | 70     |    | 16                                                                                |                                                                                   |                                                                                   |
| 53736 | 125                                                                               | 165    | 180    | 130    | 75     | 12 | 18                                                                                | 1                                                                                 | -                                                                                 |
| 53737 | 130                                                                               | 170    | 185    |        |        |    | 19                                                                                |                                                                                   |                                                                                   |
| 53738 | 135                                                                               | 175    | 190    |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53739 | 140                                                                               | 180    | 200    |        | 80     |    | 20                                                                                |                                                                                   |                                                                                   |
| 53740 | 145                                                                               | 185    | 210    |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53741 | 150                                                                               | 190    |        |        | 85     |    | 21                                                                                |                                                                                   |                                                                                   |
| 53742 | 155                                                                               | 195    | 220    |        | 90     |    | 25                                                                                |                                                                                   |                                                                                   |
| 53743 | 160                                                                               | 200    | 230    |        |        |    | 28                                                                                |                                                                                   |                                                                                   |
| 53744 | 165                                                                               | 205    |        |        |        |    | 30                                                                                |                                                                                   |                                                                                   |
| 53745 | 170                                                                               |        | 240    |        | 95     |    | 27                                                                                |                                                                                   |                                                                                   |
| 53746 | 175                                                                               | 210    |        |        |        |    | 35                                                                                |                                                                                   |                                                                                   |
| 53747 | 180                                                                               |        | 250    |        |        |    | 37                                                                                |                                                                                   |                                                                                   |
| 53748 | 185                                                                               | 220    | 260    |        | 110    |    | 40                                                                                |                                                                                   |                                                                                   |
| 53749 | 190                                                                               |        | 270    |        |        |    | 43                                                                                |                                                                                   |                                                                                   |
| 53750 | 200                                                                               |        | 280    |        |        |    | 46                                                                                |                                                                                   |                                                                                   |
| 53830 | 205                                                                               |        |        |        |        |    | 49                                                                                |                                                                                   |                                                                                   |
| 53831 | 210                                                                               | 230    | 290    |        | 120    |    | 55                                                                                |                                                                                   |                                                                                   |
| 53832 | 215                                                                               |        |        |        |        |    | 60                                                                                |                                                                                   |                                                                                   |
| 53833 | 220                                                                               |        | 300    |        |        |    |                                                                                   |                                                                                   |                                                                                   |
| 53834 | 225                                                                               |        | 310    |        |        |    | 65                                                                                |                                                                                   |                                                                                   |

 DIN 3129

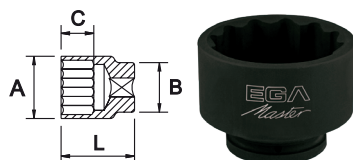
CARACTERÍSTICAS

CrMo

■ STANDARD 12PT

2.1/2"

INCH



| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg |   |   |
|-------|---------|--------|--------|--------|--------|----|----|---|---|
| 53751 | 2       |        | 90     |        |        |    |    |   |   |
| 53752 | 2.1/16  |        |        |        |        |    |    |   |   |
| 53753 | 2.1/8   |        | 95     |        |        |    |    |   |   |
| 53754 | 2.3/16  |        |        |        |        |    |    |   |   |
| 53755 | 2.1/4   |        |        |        | 36     |    |    |   |   |
| 53756 | 2.5/16  | 120    |        |        |        |    |    |   |   |
| 53757 | 2.3/8   |        | 100    |        |        |    |    |   |   |
| 53758 | 2.7/16  |        |        |        |        |    |    |   |   |
| 53759 | 2.1/2   |        |        |        |        |    |    |   |   |
| 53760 | 2.9/16  |        | 105    |        |        |    |    |   |   |
| 53761 | 2.5/8   |        |        |        |        |    |    |   |   |
| 53762 | 2.11/16 |        |        |        | 40     |    | 8  |   |   |
| 53763 | 2.3/4   |        | 110    |        |        |    |    |   |   |
| 53764 | 2.13/16 |        |        |        |        |    |    |   |   |
| 53765 | 2.7/8   |        | 115    |        |        |    |    |   |   |
| 53766 | 2.15/16 |        |        |        | 45     |    |    |   |   |
| 53767 | 3       | 125    | 120    |        |        |    |    |   |   |
| 53768 | 3.1/16  |        |        |        |        |    |    |   |   |
| 53769 | 3.1/8   |        |        |        |        |    |    |   |   |
| 53770 | 3.3/16  |        | 125    |        |        |    |    |   |   |
| 53771 | 3.1/4   |        |        |        |        |    |    |   |   |
| 53772 | 3.5/16  |        |        |        | 50     |    |    |   |   |
| 53773 | 3.3/8   |        | 130    |        |        |    |    |   |   |
| 53774 | 3.7/16  | 130    |        |        |        |    |    |   |   |
| 53775 | 3.1/2   |        |        |        |        |    |    |   |   |
| 53776 | 3.9/16  |        | 135    |        |        | 9  |    |   |   |
| 53777 | 3.5/8   |        |        | 130    |        | 12 |    | 1 | - |
| 53778 | 3.11/16 |        |        |        | 55     |    |    |   |   |
| 53779 | 3.3/4   |        | 140    |        |        | 11 |    |   |   |
| 53780 | 3.13/16 | 140    |        |        |        |    |    |   |   |
| 53781 | 3.7/8   |        | 145    |        |        |    |    |   |   |
| 53782 | 3.15/16 |        | 150    |        |        |    |    |   |   |
| 53783 | 4       |        |        |        | 60     |    |    |   |   |
| 53784 | 4.1/16  |        |        |        |        |    |    |   |   |
| 53785 | 4.1/8   | 145    | 155    |        |        | 13 |    |   |   |
| 53786 | 4.3/16  |        |        |        |        |    |    |   |   |
| 53787 | 4.1/4   |        | 160    |        |        |    |    |   |   |
| 53788 | 4.5/16  | 155    | 155    |        | 65     |    |    |   |   |
| 53789 | 4.3/8   |        | 160    |        |        |    |    |   |   |
| 53790 | 4.1/2   |        | 165    |        |        |    |    |   |   |
| 53791 | 4.9/16  |        |        |        |        | 15 |    |   |   |
| 53792 | 4.5/8   | 160    | 170    |        | 70     |    |    |   |   |
| 53793 | 4.11/16 |        |        |        |        |    |    |   |   |
| 53794 | 4.3/4   |        | 175    |        |        | 16 |    |   |   |
| 53795 | 4.13/16 |        |        |        |        |    |    |   |   |
| 53796 | 4.7/8   | 165    | 180    |        | 75     | 18 |    |   |   |
| 53797 | 4.15/16 |        |        |        |        |    |    |   |   |
| 53798 | 5       | 170    |        |        |        | 19 |    |   |   |
| 53799 | 5.1/4   |        | 185    |        |        |    |    |   |   |
| 53800 | 5.5/16  | 175    | 190    |        | 80     |    |    |   |   |
| 53801 | 5.3/8   |        |        |        |        | 20 |    |   |   |
| 53802 | 5.1/2   | 180    | 200    |        |        |    |    |   |   |
| 53803 | 5.3/4   | 185    | 210    |        | 85     |    |    |   |   |

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg |   |   |
|-------|---------|--------|--------|--------|--------|----|----|---|---|
| 53804 | 6       | 185    | 210    |        | 85     |    | 20 |   |   |
| 53805 | 6.1/4   |        | 220    |        |        |    |    |   |   |
| 53806 | 6.5/16  |        |        |        | 90     |    | 28 |   |   |
| 53807 | 6.3/8   | 200    | 230    |        |        |    |    |   |   |
| 53808 | 6.1/2   |        |        |        |        |    | 30 |   |   |
| 53809 | 6.3/4   | 210    | 240    |        | 95     |    | 32 |   |   |
| 53810 | 7       |        |        |        |        |    | 35 |   |   |
| 53811 | 7.1/4   |        | 250    |        | 110    |    |    |   |   |
| 53812 | 7.5/16  |        |        |        |        |    | 40 |   |   |
| 53813 | 7.3/8   | 220    | 260    | 130    |        | 12 |    | 1 | - |
| 53814 | 7.1/2   |        | 270    |        |        |    | 43 |   |   |
| 53815 | 7.3/4   |        | 280    |        |        |    | 49 |   |   |
| 53816 | 8       |        |        |        | 120    |    | 55 |   |   |
| 53817 | 8.1/4   |        |        |        |        |    |    |   |   |
| 53818 | 8.5/16  |        |        |        |        |    |    |   |   |
| 53819 | 8.3/8   | 230    | 290    |        |        |    | 60 |   |   |
| 53820 | 8.1/2   |        |        |        |        |    |    |   |   |
| 53821 | 8.3/4   |        | 300    |        |        |    | 65 |   |   |
| 53822 | 9       |        |        |        |        |    |    |   |   |

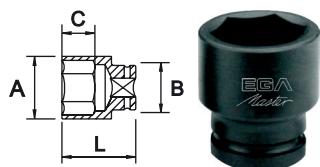
DIN 3129

| CARACTERÍSTICAS |
|-----------------|
| CrMo            |

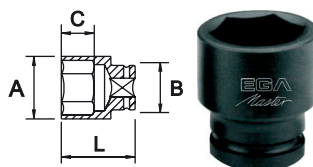
■ STANDARD 6PT

3.1/2"

MM



INCH



| COD.  | AF mm | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg  |   |   |
|-------|-------|--------|--------|--------|--------|----|-----|---|---|
| 67500 | 100   |        | 170    |        |        |    | 16  |   |   |
| 67501 | 105   | 180    | 175    |        | 100    |    | 17  |   |   |
| 67502 | 110   |        | 185    |        |        |    | 21  |   |   |
| 67503 | 115   | 200    | 190    |        | 115    |    | 24  |   |   |
| 67504 | 120   |        | 195    |        |        |    | 25  |   |   |
| 67505 | 125   |        | 200    | 180    |        |    | 28  |   |   |
| 67506 | 130   | 210    | 210    |        | 120    |    | 30  |   |   |
| 67507 | 135   |        |        |        | 125    |    | 34  |   |   |
| 67508 | 140   |        | 220    |        |        |    | 37  |   |   |
| 67509 | 145   | 220    | 230    |        | 130    |    | 39  |   |   |
| 67510 | 150   |        | 240    |        | 135    |    | 43  |   |   |
| 67511 | 155   |        |        |        |        |    | 45  |   |   |
| 67512 | 160   |        | 250    |        | 140    |    | 50  |   |   |
| 67513 | 165   | 230    | 260    |        |        |    | 55  |   |   |
| 67514 | 170   |        |        |        | 145    |    | 60  |   |   |
| 67515 | 175   |        | 270    | 200    |        |    |     |   |   |
| 67516 | 180   |        | 280    |        | 150    |    |     |   |   |
| 67517 | 185   | 240    |        |        |        | 6  | 65  | 1 | - |
| 67518 | 190   |        | 290    |        | 155    |    | 70  |   |   |
| 67519 | 195   |        | 300    |        |        |    |     |   |   |
| 67520 | 200   |        | 310    |        | 160    |    | 80  |   |   |
| 67521 | 205   | 250    |        |        |        |    |     |   |   |
| 67522 | 210   |        | 320    |        | 165    |    | 85  |   |   |
| 67523 | 215   |        | 330    |        |        |    | 90  |   |   |
| 67524 | 220   | 260    | 340    |        | 170    |    | 95  |   |   |
| 67525 | 225   |        |        |        |        |    | 105 |   |   |
| 67526 | 230   |        | 350    |        | 175    |    |     |   |   |
| 67527 | 235   | 270    | 360    |        |        |    | 110 |   |   |
| 67528 | 240   |        | 370    | 230    | 185    |    | 115 |   |   |
| 67529 | 245   |        |        |        |        |    | 120 |   |   |
| 67530 | 250   | 280    | 380    |        | 190    |    | 125 |   |   |
| 67531 | 255   |        | 390    |        |        |    | 130 |   |   |
| 67532 | 260   |        | 400    |        | 195    |    | 135 |   |   |
| 67533 | 265   | 290    |        |        |        |    | 140 |   |   |
| 67534 | 270   |        | 410    |        |        |    | 145 |   |   |
| 67535 | 275   |        | 420    |        | 200    |    | 150 |   |   |
| 67536 | 280   | 300    | 430    |        |        |    |     |   |   |

⊗ DIN 3129

CARACTERÍSTICAS

Cr-Mo

| COD.  | AF inch | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg  |   |   |
|-------|---------|--------|--------|--------|--------|----|-----|---|---|
| 68830 | 4       |        | 170    |        |        |    | 16  |   |   |
| 68831 | 4.1/16  |        | 175    |        |        |    |     |   |   |
| 68832 | 4.1/8   |        |        |        |        |    | 17  |   |   |
| 68833 | 4.3/16  | 180    | 180    |        | 100    |    |     |   |   |
| 68834 | 4.1/4   |        |        |        |        |    |     |   |   |
| 68835 | 4.5/16  |        | 185    |        |        |    | 21  |   |   |
| 68836 | 4.3/8   |        |        |        |        |    |     |   |   |
| 68837 | 4.1/2   |        |        |        |        |    |     |   |   |
| 68838 | 4.9/16  |        | 190    |        |        |    | 24  |   |   |
| 68839 | 4.5/8   |        |        |        |        |    |     |   |   |
| 68840 | 4.11/16 |        | 195    | 180    | 115    |    |     |   |   |
| 68841 | 4.3/4   | 210    |        |        |        |    | 25  |   |   |
| 68842 | 4.13/16 |        | 200    |        |        |    |     |   |   |
| 68843 | 4.7/8   |        |        |        |        |    |     |   |   |
| 68844 | 4.15/16 |        |        |        | 120    |    | 28  |   |   |
| 68845 | 5       |        | 210    |        |        |    |     |   |   |
| 68846 | 5.1/4   |        |        |        |        |    | 30  |   |   |
| 68847 | 5.5/16  |        |        |        |        |    |     |   |   |
| 68848 | 5.3/8   | 220    | 220    |        | 125    |    | 34  |   |   |
| 68849 | 5.1/2   |        |        |        | 130    |    | 37  |   |   |
| 68850 | 5.3/4   |        | 230    |        |        |    |     |   |   |
| 68851 | 6       |        | 240    |        | 135    |    | 43  |   |   |
| 68852 | 6.1/4   |        |        |        |        |    |     |   |   |
| 68853 | 6.5/16  | 230    | 250    |        | 140    | 6  | 50  | 1 | - |
| 68854 | 6.3/8   |        |        |        |        |    |     |   |   |
| 68855 | 6.1/2   |        | 260    |        |        |    | 55  |   |   |
| 68856 | 6.3/4   |        | 270    | 200    | 145    |    | 60  |   |   |
| 68857 | 7       |        |        |        |        |    |     |   |   |
| 68858 | 7.1/4   | 240    | 280    |        |        |    |     |   |   |
| 68859 | 7.5/16  |        |        |        | 150    |    | 66  |   |   |
| 68860 | 7.3/8   |        | 290    |        |        |    |     |   |   |
| 68861 | 7.1/2   |        |        |        | 155    |    | 70  |   |   |
| 68862 | 7.3/4   | 250    | 300    |        |        |    | 80  |   |   |
| 68863 | 8       |        | 310    |        | 160    |    |     |   |   |
| 68864 | 8.1/4   |        |        |        |        |    |     |   |   |
| 68865 | 8.5/16  |        | 320    |        | 165    |    | 85  |   |   |
| 68866 | 8.3/8   | 260    |        |        |        |    |     |   |   |
| 68867 | 8.1/2   |        | 330    |        |        |    | 90  |   |   |
| 68868 | 8.3/4   |        |        |        | 170    |    |     |   |   |
| 68869 | 9       |        | 350    |        |        |    | 105 |   |   |
| 68870 | 9.1/4   | 270    |        | 230    | 175    |    |     |   |   |
| 68871 | 9.5/16  |        | 360    |        |        |    | 110 |   |   |
| 68872 | 9.3/8   |        |        |        |        |    |     |   |   |
| 68873 | 9.1/2   | 280    | 370    |        | 185    |    |     |   |   |
| 68874 | 9.3/4   |        | 380    |        |        |    | 115 |   |   |
| 68875 | 10      |        | 390    |        | 190    |    | 125 |   |   |
| 68876 | 10.1/4  | 290    | 400    |        | 195    |    | 130 |   |   |

⊗ DIN 3129

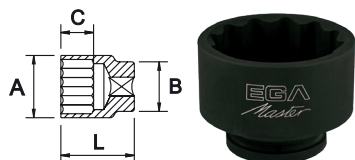
CARACTERÍSTICAS

Cr-Mo

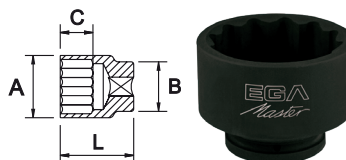
■ STANDARD 12PT

3.1/2"

MM



INCH



| COD.  | AF <sup>mm</sup> | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg  |   |   |
|-------|------------------|--------|--------|--------|--------|----|-----|---|---|
| 53835 | 100              |        | 170    |        |        |    | 16  |   |   |
| 53836 | 105              | 180    | 175    |        | 100    |    | 17  |   |   |
| 53837 | 110              |        | 185    |        |        |    | 21  |   |   |
| 53838 | 115              |        | 190    |        | 115    |    | 24  |   |   |
| 53839 | 120              | 210    | 195    |        |        |    | 25  |   |   |
| 53840 | 125              |        | 200    | 180    |        |    | 28  |   |   |
| 53841 | 130              |        | 210    |        | 120    |    | 30  |   |   |
| 53842 | 135              |        |        |        | 125    |    | 34  |   |   |
| 53843 | 140              | 220    | 220    |        | 130    |    | 37  |   |   |
| 53844 | 145              |        | 230    |        |        |    | 40  |   |   |
| 53845 | 150              |        |        |        |        |    | 43  |   |   |
| 53846 | 155              | 230    | 240    |        | 135    |    | 46  |   |   |
| 53847 | 160              |        | 250    |        |        |    | 50  |   |   |
| 53848 | 165              |        | 260    |        | 140    |    | 55  |   |   |
| 53849 | 170              |        |        |        |        |    |     |   |   |
| 53850 | 175              | 240    | 270    | 200    | 145    |    | 60  |   |   |
| 53851 | 180              |        | 280    |        | 150    |    |     |   |   |
| 53852 | 185              |        | 290    |        |        |    | 65  |   |   |
| 53853 | 190              |        |        |        | 155    | 12 |     | 1 | - |
| 53854 | 195              | 250    | 300    |        |        |    | 70  |   |   |
| 53855 | 200              |        | 310    |        |        |    |     |   |   |
| 53856 | 205              |        | 320    |        | 160    |    | 80  |   |   |
| 53857 | 210              |        |        |        | 165    |    | 85  |   |   |
| 53858 | 215              | 260    | 330    |        |        |    | 90  |   |   |
| 53859 | 220              |        | 340    |        | 170    |    | 95  |   |   |
| 53860 | 225              |        | 350    |        |        |    |     |   |   |
| 53861 | 230              | 270    |        |        | 175    |    | 105 |   |   |
| 53862 | 235              |        | 360    |        |        |    | 110 |   |   |
| 53863 | 240              |        | 370    | 230    | 185    |    |     |   |   |
| 53864 | 245              | 280    | 380    |        |        |    | 115 |   |   |
| 53865 | 250              |        |        |        | 190    |    | 120 |   |   |
| 53866 | 255              |        | 390    |        |        |    | 125 |   |   |
| 53867 | 260              | 290    | 400    |        | 195    |    | 130 |   |   |
| 53868 | 265              |        | 410    |        |        |    | 135 |   |   |
| 53869 | 270              |        |        |        | 200    |    | 140 |   |   |
| 53870 | 275              | 300    | 420    |        |        |    | 145 |   |   |
| 53871 | 280              |        | 430    |        | 210    |    | 150 |   |   |

■ DIN 3129

CARACTERÍSTICAS

CrMo

| COD.  | AF <sup>inch</sup> | L (mm) | A (mm) | B (mm) | C (mm) | Pt | Kg  |   |   |
|-------|--------------------|--------|--------|--------|--------|----|-----|---|---|
| 53872 | 4                  |        | 170    |        |        |    | 16  |   |   |
| 53873 | 4.1/16             |        | 175    |        |        |    |     |   |   |
| 53874 | 4.1/8              |        |        |        |        |    |     |   |   |
| 53875 | 4.3/16             | 180    |        |        | 100    |    | 17  |   |   |
| 53876 | 4.1/4              |        | 180    |        |        |    |     |   |   |
| 53877 | 4.5/16             |        | 185    |        |        |    | 21  |   |   |
| 53878 | 4.3/8              |        |        |        |        |    |     |   |   |
| 53879 | 4.1/2              |        |        |        |        |    |     |   |   |
| 53880 | 4.9/16             |        | 190    |        |        |    | 24  |   |   |
| 53881 | 4.5/8              |        |        |        |        |    |     |   |   |
| 53882 | 4.11/16            |        | 195    | 180    | 115    |    |     |   |   |
| 53883 | 4.3/4              | 210    |        |        |        |    | 25  |   |   |
| 53884 | 4.13/16            |        | 200    |        |        |    |     |   |   |
| 53885 | 4.7/8              |        |        |        |        |    |     |   |   |
| 53886 | 4.15/16            |        |        |        | 120    |    | 28  |   |   |
| 53887 | 5                  |        | 210    |        |        |    |     |   |   |
| 53888 | 5.1/4              |        |        |        |        |    | 30  |   |   |
| 53889 | 5.5/16             |        | 220    |        | 125    |    | 34  |   |   |
| 53890 | 5.3/8              | 220    |        |        |        |    |     |   |   |
| 53891 | 5.1/2              |        |        |        | 130    |    | 37  |   |   |
| 53892 | 5.3/4              |        | 230    |        |        |    |     |   |   |
| 53893 | 6                  |        | 240    |        | 135    |    | 43  |   |   |
| 53894 | 6.1/4              |        |        |        |        |    |     |   |   |
| 53895 | 6.5/16             | 230    | 250    |        | 140    | 12 | 50  | 1 | - |
| 53896 | 6.3/8              |        |        |        |        |    |     |   |   |
| 53897 | 6.1/2              |        | 260    |        |        |    | 55  |   |   |
| 53898 | 6.3/4              |        |        |        |        |    |     |   |   |
| 53899 | 7                  |        | 270    | 200    | 145    |    | 60  |   |   |
| 53900 | 7.1/4              | 240    | 280    |        |        |    |     |   |   |
| 53901 | 7.5/16             |        |        |        | 150    |    | 65  |   |   |
| 53902 | 7.3/8              |        | 290    |        |        |    |     |   |   |
| 53903 | 7.1/2              |        |        |        | 155    |    |     |   |   |
| 53904 | 7.3/4              | 250    | 300    |        |        |    | 70  |   |   |
| 53905 | 8                  |        | 310    |        | 160    |    | 80  |   |   |
| 53906 | 8.1/4              |        |        |        |        |    |     |   |   |
| 53907 | 8.5/16             |        | 320    |        | 165    |    | 85  |   |   |
| 53908 | 8.3/8              | 260    |        |        |        |    |     |   |   |
| 53909 | 8.1/2              |        | 330    |        |        |    | 90  |   |   |
| 53910 | 8.3/4              |        |        |        | 170    |    | 95  |   |   |
| 53911 | 9                  |        | 350    |        |        |    | 105 |   |   |
| 53912 | 9.1/4              | 270    |        | 230    | 175    |    |     |   |   |
| 53913 | 9.5/16             |        | 360    |        |        |    |     |   |   |
| 53914 | 9.3/8              |        |        |        |        |    | 110 |   |   |
| 53915 | 9.1/2              |        | 370    |        | 185    |    |     |   |   |
| 53916 | 9.3/4              | 280    | 380    |        |        |    | 115 |   |   |
| 53917 | 10                 |        | 390    |        | 190    |    | 125 |   |   |
| 53918 | 10.1/4             | 290    | 400    |        | 195    |    | 130 |   |   |

■ DIN 3129

CARACTERÍSTICAS

CrMo

■ ADAPTADOR

| COD.  |  inch |  |  |  |
|-------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 60696 | 3/8-1/2                                                                                | 50                                                                                | 6                                                                                 | •                                                                                   |
| 60698 | 1/2-3/8                                                                                | 110                                                                               |                                                                                   |                                                                                     |
| 60699 | 1/2-3/4                                                                                | 130                                                                               |                                                                                   |                                                                                     |
| 60700 | 3/4-1/2                                                                                | 370                                                                               |                                                                                   |                                                                                     |
| 60701 | 3/4-1                                                                                  | 410                                                                               |                                                                                   |                                                                                     |
| 60702 | 1-3/4                                                                                  | 600                                                                               |                                                                                   |                                                                                     |

DIN 3121



| COD.  |  inch |  |  |  |
|-------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 68698 | 1-1.1/2                                                                                | 1100                                                                              | 6                                                                                 | •                                                                                   |
| 65448 | 1.1/2-1                                                                                | 2100                                                                              |                                                                                   |                                                                                     |
| 65449 | 1.1/2-2.1/2                                                                            | 4000                                                                              |                                                                                   |                                                                                     |
| 65478 | 2.1/2-1.1/2                                                                            | 4500                                                                              |                                                                                   |                                                                                     |

DIN 3121



■ ARTICULACIÓN UNIVERSAL

| COD.  |  inch |  |  |  |
|-------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 60704 | 3/8                                                                                     | 80                                                                                 | 6                                                                                  | ●                                                                                    |
| 60705 | 1/2                                                                                     | 180                                                                                |                                                                                    |                                                                                      |
| 67133 | 3/8                                                                                     | 80                                                                                 |                                                                                    |                                                                                      |
| 67134 | 1/2                                                                                     | 180                                                                                |                                                                                    |                                                                                      |
| 60706 | 3/4                                                                                     | 600                                                                                | 4                                                                                  |                                                                                      |
| 60707 | 1                                                                                       | 1250                                                                               | 2                                                                                  |                                                                                      |
| 60708 | 1.1/2                                                                                   | 3000                                                                               | 1                                                                                  |                                                                                      |
| 60709 | 2.1/2                                                                                   | 6000                                                                               |                                                                                    |                                                                                      |

DIN 3121



■ ALARGADERA

| COD.  |  inch | L (mm) |  |  |  |
|-------|------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 60710 | 3/8                                                                                      | 75     | 80                                                                                  | 6                                                                                   | ●                                                                                     |
| 60711 | 1/2                                                                                      | 125    | 220                                                                                 |                                                                                     |                                                                                       |
| 60713 |                                                                                          | 250    | 430                                                                                 |                                                                                     |                                                                                       |
| 57368 |                                                                                          | 3/4    | 100                                                                                 |                                                                                     |                                                                                       |
| 60714 | 175                                                                                      |        | 850                                                                                 |                                                                                     |                                                                                       |
| 57369 | 250                                                                                      |        | 1050                                                                                |                                                                                     |                                                                                       |
| 57370 | 450                                                                                      |        | 1900                                                                                |                                                                                     |                                                                                       |
| 57371 | 600                                                                                      | 2450   |                                                                                     |                                                                                     |                                                                                       |
| 57401 | 1                                                                                        | 150    | 1050                                                                                |                                                                                     |                                                                                       |
| 60716 |                                                                                          | 175    | 1500                                                                                |                                                                                     |                                                                                       |
| 57402 |                                                                                          | 250    | 1850                                                                                |                                                                                     |                                                                                       |
| 60717 |                                                                                          | 330    | 2550                                                                                |                                                                                     |                                                                                       |
| 57403 |                                                                                          | 450    | 3400                                                                                |                                                                                     |                                                                                       |
| 57409 | 1.1/2                                                                                    | 600    | 4500                                                                                |                                                                                     |                                                                                       |
| 65450 |                                                                                          | 250    | 5500                                                                                |                                                                                     |                                                                                       |
| 65451 |                                                                                          | 300    | 6500                                                                                |                                                                                     |                                                                                       |

DIN 3121



■ ANILLA DE SEGURIDAD

| COD.  |  | Rango (mm) |  |  |
|-------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 60724 | 3/4                                                                               | 17-46      | 5,0                                                                               | 6                                                                                   |
| 60725 |                                                                                   | 50-60      |                                                                                   |                                                                                     |
| 63274 | 1                                                                                 | 24-38      | 10                                                                                |                                                                                     |
| 60726 |                                                                                   | 38-70      |                                                                                   |                                                                                     |
| 60727 |                                                                                   | 75-80      |                                                                                   |                                                                                     |
| 60783 | 1.1/2                                                                             | 34-109     | 20                                                                                |                                                                                     |
| 61282 |                                                                                   | 110-150    |                                                                                   |                                                                                     |
| 60784 | 2.1/2                                                                             | 41-70      |                                                                                   |                                                                                     |
| 63275 |                                                                                   | 70-200     |                                                                                   |                                                                                     |
| 63276 |                                                                                   | 200-225    |                                                                                   |                                                                                     |



■ PASADOR DE SEGURIDAD

| COD.  |  | Rango (mm) |  |  |
|-------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 60732 | 3/4                                                                               | 17-46      | 10                                                                                | 6                                                                                   |
| 60733 |                                                                                   | 50-60      |                                                                                   |                                                                                     |
| 63277 | 1                                                                                 | 24-38      | 15                                                                                |                                                                                     |
| 60734 |                                                                                   | 38-70      |                                                                                   |                                                                                     |
| 60735 |                                                                                   | 75-80      |                                                                                   |                                                                                     |
| 60767 | 1.1/2                                                                             | 34-110     | 20                                                                                |                                                                                     |
| 61054 |                                                                                   | 110-150    |                                                                                   |                                                                                     |
| 63278 | 2.1/2                                                                             | 41-70      | 25                                                                                |                                                                                     |
| 60768 |                                                                                   | 70-200     |                                                                                   |                                                                                     |
| 63279 |                                                                                   | 200-225    |                                                                                   |                                                                                     |



# JUEGOS LLAVES DE VASO DE IMPACTO

Juegos tanto en mm como en pulgadas de 3/8", 1/2", 3/4" y 1".



**3/8"**

## JUEGOS

### STANDARD

#### MM

| COD.                                                                 |  | PCS.                                                     | Pt |  |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|----|--------------------------------------------------------------------------------------|
| <b>58684</b>                                                         | 3/8                                                                                 | 10                                                       | 6  | 0,5                                                                                  |
| Composición                                                          |                                                                                     | Descripción                                              |    |                                                                                      |
| 60590, 60591, 60593, 60594, 60595, 60596, 60597, 60599, 60600, 60602 |                                                                                     | Llaves de vaso de impacto 7-8-10-11-12-13-14-16-17-19 mm |    |                                                                                      |

#### INCH

| COD.                                                                 |  | PCS.                                                       | Pt |  |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------|----|--------------------------------------------------------------------------------------|
| <b>58683</b>                                                         | 3/8                                                                                 | 10                                                         | 6  | 1,0                                                                                  |
| Composición                                                          |                                                                                     | Descripción                                                |    |                                                                                      |
| 65205, 65206, 65207, 65208, 65209, 65210, 65211, 65212, 68685, 68686 |                                                                                     | Llaves de vaso de impacto 10-11-12-13-14-17-19-21-22-24 mm |    |                                                                                      |



**3/8"**

■ JUEGOS

**STANDARD**

**MM**

| COD.         |  | PCS. | Pt |  |
|--------------|-----------------------------------------------------------------------------------|------|----|------------------------------------------------------------------------------------|
| <b>59142</b> | 3/8                                                                               | 8    | 6  | 0,5                                                                                |

| Composición                                            | Descripción                               |                                                                  |
|--------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------|
| 65920, 65921, 65922, 65923, 65924, 65925, 65926, 65927 | Puntas atornilladoras de impacto con vaso | HEX-3 - HEX-4 - HEX-5 - HEX-6 - HEX-8 - HEX-10 - HEX-12 - HEX-14 |

**INCH**

| COD.         |  | PCS. | Pt |  |
|--------------|-----------------------------------------------------------------------------------|------|----|------------------------------------------------------------------------------------|
| <b>59143</b> | 3/8                                                                               | 10   | 6  | 1,0                                                                                |

| Composición                                                          | Descripción                               |                                                                                                                   |
|----------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 53172, 53173, 53174, 53175, 53176, 53177, 53178, 53179, 53180, 53181 | Puntas atornilladoras de impacto con vaso | HEX-3/16" - HEX-7/32" - HEX-1/4" - HEX-9/32" - HEX-5/16" - HEX-3/8" - HEX-7/16" - HEX-1/2" - HEX-9/16" - HEX 5/8" |

**TORX®\***

| COD.         |  | PCS. | Pt |  |
|--------------|-------------------------------------------------------------------------------------|------|----|--------------------------------------------------------------------------------------|
| <b>59144</b> | 3/8                                                                                 | 8    | 6  | 1,0                                                                                  |

| Composición                                            | Descripción                               |                                                       |
|--------------------------------------------------------|-------------------------------------------|-------------------------------------------------------|
| 65928, 65929, 65930, 65931, 65932, 65933, 65934, 65935 | Puntas atornilladoras de impacto con vaso | T-25 - T-27 - T-30 - T-40 - T-45 - T-50 - T-55 - T-60 |



\*Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US)

1/2"

JUEGOS

STANDARD

MM

| COD.         |  | PCS. | Pt |  |
|--------------|-----------------------------------------------------------------------------------|------|----|------------------------------------------------------------------------------------|
| <b>60693</b> | 1/2                                                                               | 10   | 6  | 3,5                                                                                |

| Composición                                                          | Descripción                                     |
|----------------------------------------------------------------------|-------------------------------------------------|
| 60606, 60607, 60609, 60610, 60612, 60613, 60614, 60615, 60616, 60618 | Llaves de vaso 13-14-16-17-19-21-22-24-27-30 mm |

| COD.         |  | PCS. | Pt |  |
|--------------|-----------------------------------------------------------------------------------|------|----|------------------------------------------------------------------------------------|
| <b>61265</b> | 1/2                                                                               | 10   | 6  | 3,0                                                                                |

| Composición                                                          | Descripción                                     |
|----------------------------------------------------------------------|-------------------------------------------------|
| 60603, 60604, 60605, 60606, 60607, 60610, 60612, 60613, 60614, 60615 | Llaves de vaso 10-11-12-13-14-17-19-21-22-24 mm |

INCH

| COD.         |  | PCS. | Pt |  |
|--------------|------------------------------------------------------------------------------------|------|----|-------------------------------------------------------------------------------------|
| <b>61267</b> | 1/2                                                                                | 11   | 6  | 3,2                                                                                 |

| Composición                                                                 | Descripción                                                                 |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 65213, 65214, 65215, 65216, 65217, 65218, 65219, 65220, 65221, 65222, 65223 | Llaves de vaso 3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1" |

SERIE LARGA

MM

| COD.         |  | PCS. | Pt |  |
|--------------|-------------------------------------------------------------------------------------|------|----|--------------------------------------------------------------------------------------|
| <b>61266</b> | 1/2                                                                                 | 10   | 6  | 4,0                                                                                  |

| Composición                                                          | Descripción                                                 |
|----------------------------------------------------------------------|-------------------------------------------------------------|
| 60660, 60661, 60662, 60663, 60664, 60666, 60668, 60669, 60670, 60672 | Llaves de vaso serie larga 10-11-12-13-14-17-19-21-22-24 mm |

INCH

| COD.         |  | PCS. | Pt |  |
|--------------|-------------------------------------------------------------------------------------|------|----|--------------------------------------------------------------------------------------|
| <b>61268</b> | 1/2                                                                                 | 11   | 6  | 4,2                                                                                  |

| Composición                                                                 | Descripción                                                                             |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 55630, 55631, 55632, 55633, 55634, 55635, 55636, 55637, 55638, 55639, 55640 | Llaves de vaso serie larga 3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1" |



**3/4"**

■ JUEGOS

**STANDARD**

MM

| COD.         |  | PCS. | Pt |  |
|--------------|-----------------------------------------------------------------------------------|------|----|------------------------------------------------------------------------------------|
| <b>60694</b> | 3/4                                                                               | 8    | 6  | 5,0                                                                                |

| Composición                                            | Descripción                                                                                                                   |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 60625, 60626, 60628, 60629, 60630, 60632, 60633, 60634 | Llaves de vaso 26-27-29-30-32-34-36-38 mm  |

| COD.         |  | PCS. | Pt |  |
|--------------|-----------------------------------------------------------------------------------|------|----|------------------------------------------------------------------------------------|
| <b>61269</b> | 3/4                                                                               | 8    | 6  | 5,0                                                                                |

| Composición                                            | Descripción                                                                                                                   |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 60621, 60622, 60624, 60626, 60629, 60630, 60633, 60635 | Llaves de vaso 21-22-24-27-30-32-36-41 mm  |

INCH

| COD.         |  | PCS. | Pt |  |
|--------------|-----------------------------------------------------------------------------------|------|----|------------------------------------------------------------------------------------|
| <b>61271</b> | 3/4                                                                               | 8    | 6  | 5,0                                                                                |

| Composición                                            | Descripción                                                                                                                                                 |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 65231, 65232, 65233, 65235, 65236, 65237, 65238, 65239 | Llaves de vaso 1"-1.1/16"-1.1/8"-1.1/4"-1.5/16"-1.3/8"-1.7/16"-1.1/2"  |

**SERIE LARGA**

MM

| COD.         |  | PCS. | Pt |  |
|--------------|-------------------------------------------------------------------------------------|------|----|--------------------------------------------------------------------------------------|
| <b>61270</b> | 3/4                                                                                 | 8    | 6  | 6,0                                                                                  |

| Composición                                            | Descripción                                                                                                                                 |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 60680, 60681, 60682, 60684, 60685, 60686, 60689, 60691 | Llaves de vaso serie larga 21-22-24-27-30-32-36-41 mm  |

**SERIE LARGA**

INCH

| COD.         |  | PCS. | Pt |  |
|--------------|-------------------------------------------------------------------------------------|------|----|--------------------------------------------------------------------------------------|
| <b>61272</b> | 3/4                                                                                 | 8    | 6  | 6,0                                                                                  |

| Composición                                            | Descripción                                                                                                                                                             |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 65245, 65246, 65247, 65249, 65250, 65251, 57360, 65252 | Llaves de vaso serie larga 1"-1.1/16"-1.1/8"-1.1/4"-1.5/16"-1.3/8"-1.7/16"-1.1/2"  |



JUEGOS

STANDARD

MM

| COD.                                                          |  | PCS.                                         | Pt |  |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------|----|------------------------------------------------------------------------------------|
| <b>61273</b>                                                  | 1                                                                                 | 9                                            | 6  | 7,5                                                                                |
| Composición                                                   |                                                                                   | Descripción                                  |    |                                                                                    |
| 65534, 65535, 65536, 65537, 65538, 60640, 60641, 60643, 60644 |                                                                                   | Llaves de vaso 24-27-30-32-36-38-41-46-50 mm |    |                                                                                    |

INCH

| COD.                                                          |  | PCS.                                                                   | Pt |  |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|----|------------------------------------------------------------------------------------|
| <b>61275</b>                                                  | 1                                                                                 | 9                                                                      | 6  | 7,5                                                                                |
| Composición                                                   |                                                                                   | Descripción                                                            |    |                                                                                    |
| 65253, 65255, 65257, 65258, 65261, 65263, 65265, 65267, 65268 |                                                                                   | Llaves de vaso 1"-1.1/8"-1.1/4"-1.5/16"-1.1/2"-1.5/8"-1.3/4"-1.7/8"-2" |    |                                                                                    |

SERIE LARGA

MM

| COD.                                                          |  | PCS.                                                     | Pt |  |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|----|--------------------------------------------------------------------------------------|
| <b>61274</b>                                                  | 1                                                                                   | 9                                                        | 6  | 7,5                                                                                  |
| Composición                                                   |                                                                                     | Descripción                                              |    |                                                                                      |
| 65539, 65540, 65541, 65542, 65543, 65544, 63883, 65546, 65547 |                                                                                     | Llaves de vaso serie larga 24-27-30-32-36-38-41-46-50 mm |    |                                                                                      |

INCH

| COD.                                                   |  | PCS.                                                                               | Pt |  |
|--------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------|
| <b>61276</b>                                           | 1                                                                                   | 9                                                                                  | 6  | 11                                                                                   |
| Composición                                            |                                                                                     | Descripción                                                                        |    |                                                                                      |
| 65274, 65276, 65277, 65280, 65282, 65284, 65286, 65287 |                                                                                     | Llaves de vaso serie larga 1"-1.1/8"-1.1/4"-1.5/16"-1.1/2"-1.5/8"-1.3/4"-1.7/8"-2" |    |                                                                                      |