

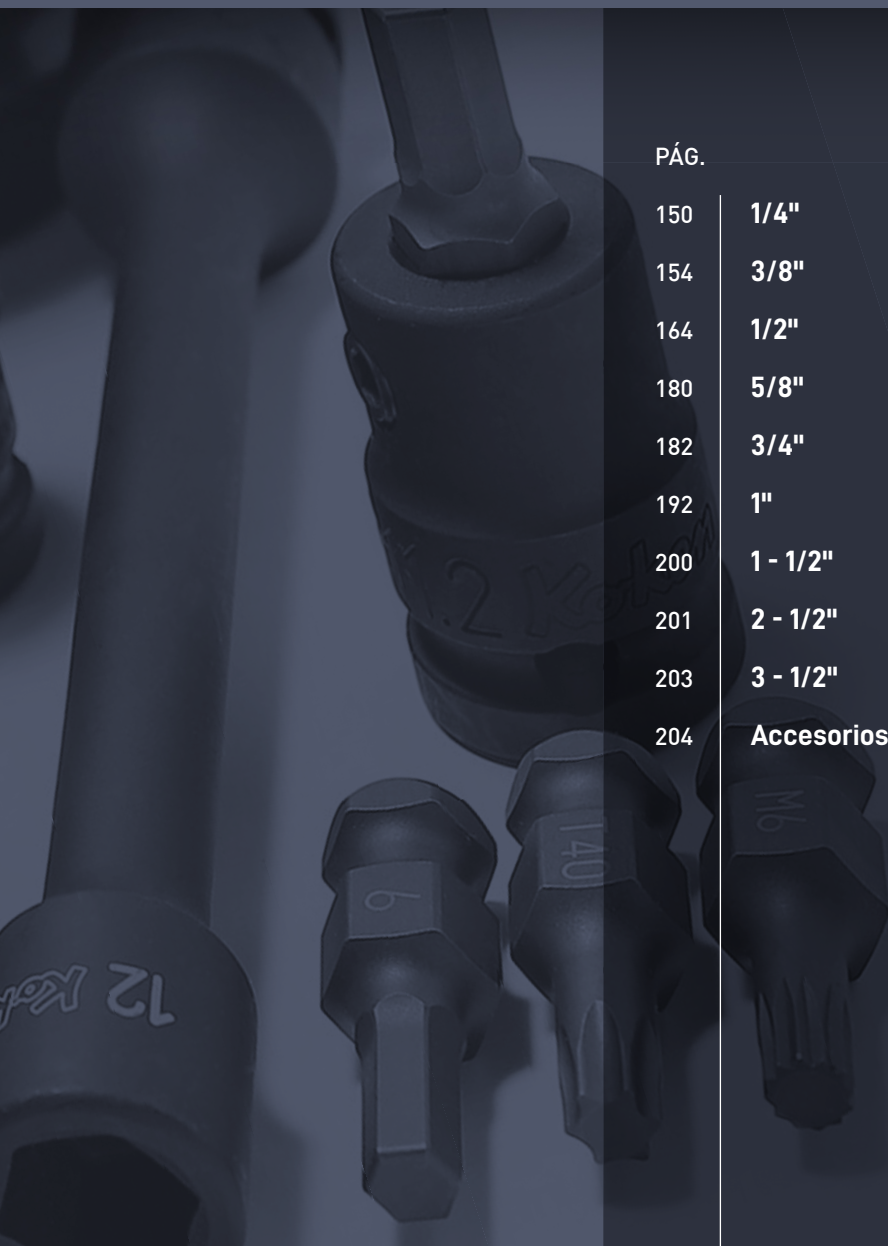
**Koken**

KOKEN IIIIII

# Vasos de Impacto

PÁG.

|     |            |
|-----|------------|
| 150 | 1/4"       |
| 154 | 3/8"       |
| 164 | 1/2"       |
| 180 | 5/8"       |
| 182 | 3/4"       |
| 192 | 1"         |
| 200 | 1 - 1/2"   |
| 201 | 2 - 1/2"   |
| 203 | 3 - 1/2"   |
| 204 | Accesorios |



# Vasos de Impacto

□ 1/4" □ 3/8" □ 1/2" □ 3/4" □ 1" □ 1-1/2" □ 2-1/2" □ 3-1/2"



El logotipo de Koken y el diámetro del vaso se identifican fácilmente con letras blancas sobre el pavonado permaneciendo indeleblemente estampadas.

KOKEN IIIIII

## Surface Drive



Los Vasos de Contacto Curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas desgastadas.

## Vasos de pared delgada

Con el fin de trabajar con la herramienta adecuada para cada aplicación, Koken ofrece vasos de pared delgada con tres longitudes distintas.

Standard

Mediano

Largo



## Pathfinder®



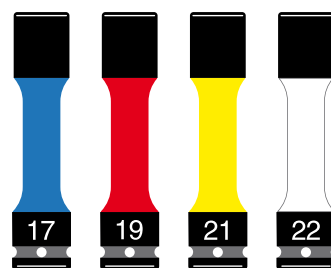
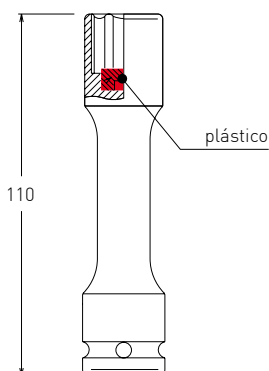
Las caras biseladas de la boca hexagonal del Vaso Guía acoplan el vaso inmediatamente. Los Vasos Guía son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.

## Vasos de impacto para tuercas de rueda



Diseño especial para trabajos de ruedas.

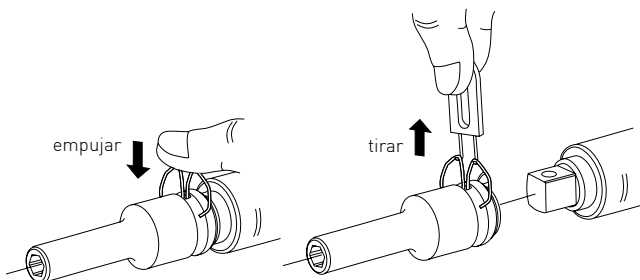
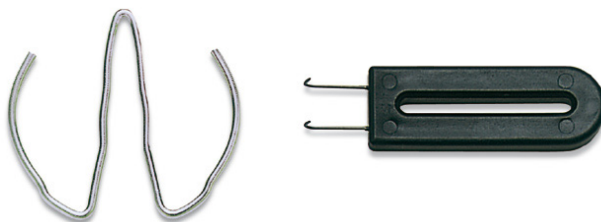
- » La longitud de 110 mm proporciona al vaso mayor profundidad de acceso para tuercas muy metidas dentro de la rueda y es ideal para tuercas de llantas de aluminio que tienen un acceso muy estrecho a la tuerca.
- » Los códigos de color de las cañas azul (17 mm), rojo (19 mm), amarillo (21 mm) y blanco (22 mm), facilitan la identificación de los diámetros.
- » La inserción de plástico contribuye a prevenir el daño de la tuerca.



## Aro de acero elástico de una pieza



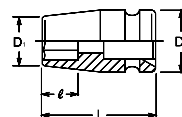
Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo que la combinación de pasador y junta tórica.



VASOS HEXAGONALES

| mm  | pulgadas | D1   | D2 | ℓ | L  | ⚖  | Ref Métrica | €    | Ref Pulgadas | €    |
|-----|----------|------|----|---|----|----|-------------|------|--------------|------|
| 4   | 5/32     | 7,5  | 13 | 4 | 23 | 14 | 12400M4     | 4,09 | 12400A5/32   | 4,09 |
| 4,5 | 3/16     | 8,1  | 13 | 4 | 23 | 14 | 12400M4,5   | 4,09 | 12400A3/16   | 4,09 |
| 5   |          | 8,8  | 13 | 4 | 23 | 14 | 12400M5     | 4,09 |              |      |
| 5,5 | 7/32     | 9,4  | 13 | 4 | 23 | 14 | 12400M5,5   | 4,67 | 12400A7/32   | 4,09 |
| 6   | 1/4      | 10   | 13 | 5 | 23 | 14 | 12400M6     | 4,09 | 12400A1/4    | 4,09 |
| 7   | 9/32     | 11,3 | 13 | 5 | 23 | 14 | 12400M7     | 4,09 | 12400A9/32   | 4,09 |
| 8   | 5/16     | 12,5 | 13 | 6 | 23 | 14 | 12400M8     | 4,09 | 12400A5/16   | 4,09 |
| 9   | 11/32    | 13,8 | 13 | 7 | 23 | 14 | 12400M9     | 4,09 | 12400A11/32  | 4,22 |
| 10  | 3/8      | 15   | 13 | 7 | 23 | 15 | 12400M10    | 4,41 | 12400A3/8    | 4,41 |
| 11  | 7/16     | 16,3 | 13 | 8 | 23 | 18 | 12400M11    | 4,41 | 12400A7/16   | 4,41 |
| 12  |          | 17,5 | 13 | 8 | 23 | 19 | 12400M12    | 4,41 |              |      |
| 13  | 1/2      | 18,8 | 13 | 8 | 23 | 19 | 12400M13    | 4,41 | 12400A1/2    | 4,41 |
| 14  | 9/16     | 20   | 13 | 9 | 23 | 20 | 12400M14    | 4,79 | 12400A9/16   | 4,79 |

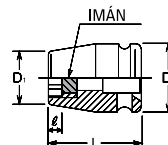
>> 12400M >> 12400A



VASOS HEXAGONALES CON IMÁN

| mm  | pulgadas | D1   | D2 | ℓ   | L  | ⚖  | Ref Métrica | €     | Ref Pulgadas | €     |
|-----|----------|------|----|-----|----|----|-------------|-------|--------------|-------|
| 4   |          | 7,5  | 13 | 2,1 | 23 | 12 | 12400MG4    | 9,63  | 12400AG5/32  | 9,75  |
| 4,5 | 3/16     | 8,1  | 13 | 2,1 | 23 | 13 | 12400MG4,5  | 9,63  | 12400AG3/16  | 9,75  |
| 5   |          | 8,8  | 13 | 2,1 | 23 | 15 | 12400MG5    | 9,63  |              |       |
| 5,5 |          | 9,4  | 13 | 2,1 | 23 | 15 | 12400MG5,5  | 9,63  |              |       |
| 6   | 1/4      | 10   | 13 | 2,4 | 23 | 16 | 12400MG6    | 9,63  | 12400AG1/4   | 9,75  |
| 7   |          | 11,3 | 13 | 2,8 | 23 | 16 | 12400MG7    | 10,00 |              |       |
| 8   | 5/16     | 12,5 | 13 | 3,5 | 23 | 17 | 12400MG8    | 10,17 | 12400AG5/16  | 10,31 |
| 9   | 11/32    | 13,8 | 13 | 3,8 | 23 | 18 | 12400MG9    | 10,17 | 12400AG11/32 | 10,31 |
| 10  | 3/8      | 15   | 13 | 4,2 | 23 | 18 | 12400MG10   | 10,57 | 12400AG3/8   | 10,74 |
| 11  | 7/16     | 16,3 | 13 | 4,9 | 23 | 21 | 12400MG11   | 10,95 | 12400AG7/16  | 11,04 |
| 12  |          | 17,5 | 13 | 5,6 | 25 | 21 | 12400MG12   | 10,95 |              |       |
| 13  | 1/2      | 18,8 | 13 | 6   | 25 | 21 | 12400MG13   | 10,95 | 12400AG1/2   | 11,04 |
| 14  | 9/16     | 20   | 13 | 6,4 | 25 | 20 | 12400MG14   | 17,20 | 12400AG9/16  | 17,60 |

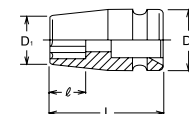
>> 12400MG >> 12400AG



VASOS SURFACE DRIVE (DE CONTACTO CURVO)

| mm | D1   | D2 | ℓ | L  | ⚖  | Ref      | €    |
|----|------|----|---|----|----|----------|------|
| 6  | 10   | 13 | 5 | 23 | 14 | 12410M6  | 4,81 |
| 7  | 11,3 | 13 | 5 | 23 | 15 | 12410M7  | 4,81 |
| 8  | 12,5 | 13 | 6 | 23 | 15 | 12410M8  | 4,81 |
| 9  | 13,8 | 13 | 7 | 23 | 14 | 12410M9  | 4,81 |
| 10 | 15   | 13 | 7 | 23 | 14 | 12410M10 | 5,81 |
| 11 | 16,3 | 13 | 8 | 23 | 17 | 12410M11 | 5,38 |
| 12 | 17,5 | 13 | 8 | 23 | 19 | 12410M12 | 5,38 |
| 13 | 18,8 | 13 | 8 | 23 | 19 | 12410M13 | 5,38 |

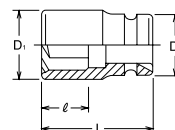
>> 12410M



VASOS PATHFINDER (GUÍA)

| mm | D1   | D2 | ℓ | L  | ⚖  | Ref      | €     |
|----|------|----|---|----|----|----------|-------|
| 10 | 15   | 13 | 8 | 23 | 17 | 12465M10 | 10,31 |
| 11 | 16,3 | 13 | 8 | 23 | 18 | 12465M11 | 10,31 |
| 12 | 17,5 | 13 | 9 | 23 | 18 | 12465M12 | 10,31 |
| 13 | 18,8 | 13 | 9 | 23 | 20 | 12465M13 | 10,31 |

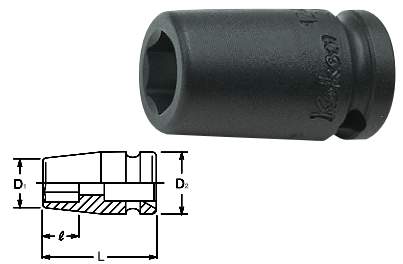
>> 12465M



**VASOS TORX®**

» 12425

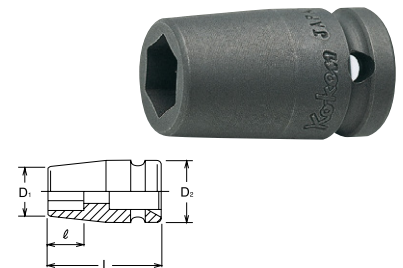
| TORX® | D1   | D2 | ℓ   | L  | ⚖  | Ref Métrica | €    |
|-------|------|----|-----|----|----|-------------|------|
| E4    | 6,6  | 13 | 4,6 | 23 | 14 | 12425E-4    | 6,53 |
| E5    | 7,7  | 13 | 5,2 | 23 | 15 | 12425E-5    | 6,53 |
| E6    | 8,7  | 13 | 5,4 | 23 | 15 | 12425E-6    | 6,53 |
| E7    | 9,2  | 13 | 6,6 | 23 | 15 | 12425E-7    | 5,96 |
| E8    | 9,7  | 13 | 7   | 23 | 15 | 12425E-8    | 5,96 |
| E10   | 12,2 | 13 | 8,2 | 23 | 15 | 12425E-10   | 5,96 |



**VASOS PARA TORNILLOS AUTORROSCANTES**

» 12460M » 12460A

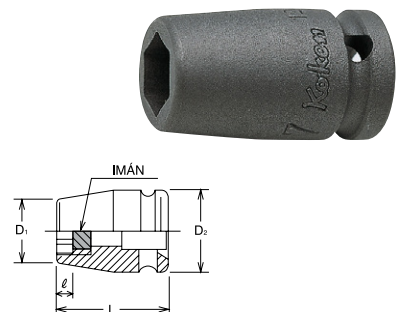
| mm  | pulgadas | D1   | D2 | ℓ | L  | ⚖  | Ref Métrica | €    | Ref Pulgadas | €    |
|-----|----------|------|----|---|----|----|-------------|------|--------------|------|
| 5,5 |          | 9,7  | 13 | 4 | 23 | 15 | 12460M5,5   | 6,96 |              |      |
| 6   | 1/4      | 10,3 | 13 | 5 | 23 | 15 | 12460M6     | 6,96 | 12460A1/4    | 7,39 |
| 7   |          | 11,6 | 13 | 5 | 23 | 16 | 12460M7     | 6,96 |              |      |
| 8   | 5/16     | 12,8 | 13 | 6 | 23 | 16 | 12460M8     | 6,96 | 12460A5/16   | 7,39 |
| 10  | 3/8      | 15,3 | 13 | 7 | 23 | 19 | 12460M10    | 6,96 | 12460A3/8    | 7,39 |
| 13  | 1/2      | 19,1 | 13 | 8 | 23 | 23 | 12460M13    | 7,83 | 12460A1/2    | 8,14 |



**VASOS PARA TORNILLOS AUTORROSCANTES**

» 12460MG » 12460AG

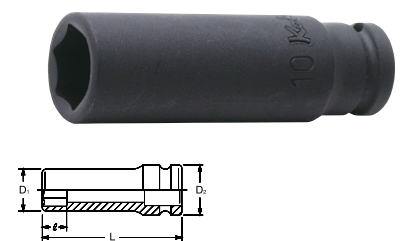
| mm  | pulgadas | D1   | D2 | ℓ   | L  | ⚖  | Ref Métrica | €     | Ref Pulgadas | €     |
|-----|----------|------|----|-----|----|----|-------------|-------|--------------|-------|
| 5,5 |          | 9,7  | 13 | 2,1 | 23 | 16 | 12460MG5,5  | 11,95 |              |       |
| 6   | 1/4      | 10,3 | 13 | 2,4 | 23 | 16 | 12460MG6    | 11,95 | 12460AG1/4   | 12,49 |
| 7   |          | 11,6 | 13 | 2,8 | 23 | 16 | 12460MG7    | 12,37 |              |       |
| 8   | 5/16     | 12,8 | 13 | 3,5 | 25 | 18 | 12460MG8    | 12,50 | 12460AG5/16  | 13,04 |
| 10  | 3/8      | 15,3 | 13 | 4,2 | 28 | 20 | 12460MG10   | 12,65 | 12460AG3/8   | 13,36 |
|     | 7/16     | 16,6 | 13 | 4,9 | 29 | 27 |             |       | 12460AG7/16  | 14,08 |
| 12  |          | 17,9 | 13 | 8   | 30 | 41 | 12460MG12   | 12,65 |              |       |
| 13  | 1/2      | 19,1 | 13 | 6   | 30 | 23 | 12460MG13   | 13,52 | 12460AG1/2   | 14,08 |
| 14  |          | 20   | 13 | 6,4 | 30 | 24 | 12460MG14   | 19,64 |              |       |



**VASOS HEXAGONALES LARGOS**

» 12300M

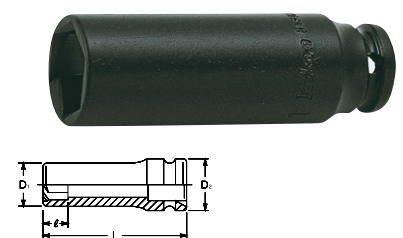
| mm | D1   | D2 | ℓ  | L  | ⚖  | Ref      | €     |
|----|------|----|----|----|----|----------|-------|
| 6  | 10   | 13 | 6  | 48 | 26 | 12300M6  | 8,88  |
| 7  | 11,3 | 13 | 7  | 48 | 30 | 12300M7  | 8,88  |
| 8  | 12,5 | 13 | 8  | 48 | 32 | 12300M8  | 8,88  |
| 10 | 15   | 13 | 10 | 48 | 34 | 12300M10 | 10,97 |
| 11 | 16,3 | 13 | 11 | 48 | 46 | 12300M11 | 10,97 |
| 12 | 17,5 | 13 | 12 | 48 | 49 | 12300M12 | 10,97 |
| 13 | 18,8 | 13 | 13 | 48 | 52 | 12300M13 | 11,64 |
| 14 | 20   | 13 | 14 | 48 | 57 | 12300M14 | 11,64 |



**VASOS PATHFINDER (GUÍA) LARGOS**

» 12365M

| mm | D1   | D2 | ℓ | L  | ⚖  | Ref      | €     |
|----|------|----|---|----|----|----------|-------|
| 10 | 15   | 13 | 8 | 48 | 34 | 12365M10 | 12,95 |
| 11 | 16,3 | 13 | 8 | 48 | 46 | 12365M11 | 12,95 |
| 12 | 17,5 | 13 | 9 | 48 | 49 | 12365M12 | 12,95 |
| 13 | 18,8 | 13 | 9 | 48 | 52 | 12365M13 | 12,95 |

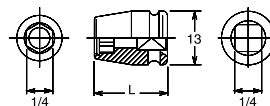


KOKEN IIIIII

○ PORTA PUNTA

» 12139

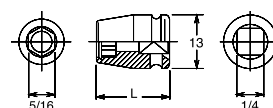
| Ref   | L  | ⚖  | €     |
|-------|----|----|-------|
| 12139 | 25 | 15 | 11,81 |



○ PORTA PUNTA

» 12140

| Ref   | L  | ⚖  | €     |
|-------|----|----|-------|
| 12140 | 25 | 15 | 11,81 |



ALARGADERAS

» 12760-55P » 12760-75P

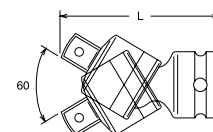
| Ref       | L  | ⚖  | €     |
|-----------|----|----|-------|
| 12760-55P | 55 | 26 | 13,36 |
| 12760-75P | 75 | 45 | 13,36 |



ARTICULACIÓN UNIVERSAL

» 12770-P

| Ref     | L  | ⚖  | €     |
|---------|----|----|-------|
| 12770-P | 39 | 30 | 32,67 |



ADAPTADOR

» 12233A-P

| Ref      | L  | ⚖  | €     |
|----------|----|----|-------|
| 12233A-P | 22 | 15 | 12,42 |

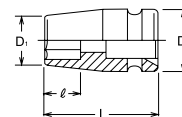


□ 1/4" x ▣ 3/8"

○ VASOS HEXAGONALES

» 13400M » 13400A

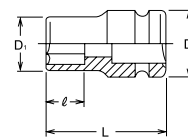
| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖  | Ref Métrica | €     | Ref Pulgadas | €    |
|----|----------|------|----|----|----|----|-------------|-------|--------------|------|
| 6  | 1/4      | 10,8 | 19 | 5  | 32 | 40 | 13400M6     | 5,54  | 13400A1/4    | 6,80 |
| 7  |          | 12   | 19 | 5  | 32 | 40 | 13400M7     | 5,54  |              |      |
| 8  | 5/16     | 13,3 | 19 | 6  | 32 | 40 | 13400M8     | 5,54  | 13400A5/16   | 6,80 |
| 9  |          | 14,5 | 19 | 7  | 32 | 40 | 13400M9     | 5,54  |              |      |
| 10 | 3/8      | 15,8 | 19 | 7  | 32 | 40 | 13400M10    | 5,54  | 13400A3/8    | 5,54 |
| 11 | 7/16     | 17   | 19 | 8  | 32 | 41 | 13400M11    | 5,54  | 13400A7/16   | 5,54 |
| 12 |          | 18,3 | 19 | 9  | 32 | 43 | 13400M12    | 5,54  |              |      |
| 13 | 1/2      | 19,5 | 22 | 10 | 32 | 56 | 13400M13    | 5,54  | 13400A1/2    | 5,50 |
| 14 | 9/16     | 20,8 | 22 | 10 | 32 | 56 | 13400M14    | 5,54  | 13400A9/16   | 6,11 |
| 15 |          | 22   | 22 | 11 | 32 | 56 | 13400M15    | 6,11  |              |      |
| 16 | 5/8      | 23,3 | 22 | 11 | 32 | 57 | 13400M16    | 6,11  | 13400A5/8    | 6,11 |
| 17 | 11/16    | 24,5 | 22 | 12 | 32 | 60 | 13400M17    | 6,10  | 13400A11/16  | 6,11 |
| 18 |          | 25,8 | 22 | 12 | 32 | 62 | 13400M18    | 6,11  |              |      |
| 19 | 3/4      | 27   | 22 | 12 | 32 | 67 | 13400M19    | 6,10  | 13400A3/4    | 6,53 |
| 20 |          | 28,3 | 22 | 12 | 32 | 70 | 13400M20    | 7,24  |              |      |
| 21 | 13/16    | 29,5 | 22 | 12 | 32 | 71 | 13400M21    | 7,24  | 13400A13/16  | 7,25 |
| 22 | 7/8      | 30,8 | 22 | 13 | 32 | 72 | 13400M22    | 7,71  | 13400A7/8    | 9,04 |
| 23 |          | 32   | 22 | 13 | 32 | 75 | 13400M23    | 9,06  |              |      |
| 24 |          | 33,3 | 22 | 13 | 32 | 78 | 13400M24    | 11,95 |              |      |



○ VASOS HEXAGONALES

» 13401M » 13401A

| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖  | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|----|----|-------------|-------|--------------|-------|
| 6  | 1/4      | 10,8 | 19 | 5  | 32 | 40 | 13401M6     | 7,91  | 13401A1/4    | 8,23  |
| 7  |          | 12   | 19 | 5  | 32 | 40 | 13401M7     | 7,91  |              |       |
| 8  | 5/16     | 13,3 | 19 | 6  | 32 | 40 | 13401M8     | 7,91  | 13401A5/16   | 8,23  |
| 9  |          | 14,5 | 19 | 7  | 32 | 40 | 13401M9     | 7,91  |              |       |
| 10 | 3/8      | 15,8 | 19 | 7  | 32 | 40 | 13401M10    | 7,91  | 13401A3/8    | 8,23  |
| 11 | 7/16     | 17   | 19 | 8  | 32 | 41 | 13401M11    | 7,91  | 13401A7/16   | 8,23  |
| 12 |          | 18,3 | 19 | 9  | 32 | 43 | 13401M12    | 7,91  |              |       |
| 13 | 1/2      | 19,5 | 22 | 10 | 32 | 56 | 13401M13    | 8,49  | 13401A1/2    | 8,90  |
| 14 | 9/16     | 20,8 | 22 | 10 | 32 | 56 | 13401M14    | 8,49  | 13401A9/16   | 8,90  |
| 15 |          | 22   | 22 | 11 | 32 | 56 | 13401M15    | 8,49  |              |       |
| 16 | 5/8      | 23,3 | 22 | 11 | 32 | 57 | 13401M16    | 8,49  | 13401A5/8    | 8,90  |
| 17 | 11/16    | 24,5 | 22 | 12 | 32 | 60 | 13401M17    | 8,49  | 13401A11/16  | 9,46  |
| 18 |          | 25,8 | 22 | 12 | 32 | 62 | 13401M18    | 9,02  |              |       |
| 19 | 3/4      | 27   | 22 | 12 | 32 | 67 | 13401M19    | 9,02  | 13401A3/4    | 9,46  |
| 20 |          | 28,3 | 22 | 12 | 32 | 70 | 13401M20    | 9,29  |              |       |
| 21 | 13/16    | 29,5 | 22 | 12 | 32 | 71 | 13401M21    | 9,78  | 13401A13/16  | 10,15 |
| 22 | 7/8      | 30,8 | 22 | 13 | 32 | 72 | 13401M22    | 10,71 | 13401A7/8    | 11,17 |
| 23 |          | 32   | 22 | 13 | 32 | 75 | 13401M23    | 12,26 |              |       |
| 24 |          | 33,3 | 22 | 13 | 32 | 78 | 13401M24    | 13,20 |              |       |



▮ ○ JUEGO DE VASOS EN REGLETA

» RS13401M/9

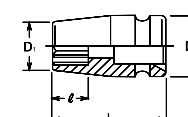
| Ref        | Tipo     | ▮   | ⚖   | ▮ | ▮                                 | €     |
|------------|----------|-----|-----|---|-----------------------------------|-------|
| RS13401M/9 | ○ 13401M | 250 | 505 | 9 | 8, 10, 12, 13, 14, 17, 19, 21, 22 | 78,54 |



○ VASOS BIHEXAGONALES

» 13405M

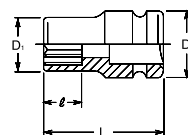
| mm | D1   | D2 | ℓ  | L  | ⚖  | Ref Métrica | €    |
|----|------|----|----|----|----|-------------|------|
| 8  | 13,3 | 19 | 6  | 32 | 40 | 13405M8     | 7,91 |
| 9  | 14,5 | 19 | 7  | 32 | 40 | 13405M9     | 7,91 |
| 10 | 15,8 | 19 | 7  | 32 | 40 | 13405M10    | 7,91 |
| 11 | 17   | 19 | 8  | 32 | 41 | 13405M11    | 7,91 |
| 12 | 18,3 | 19 | 9  | 32 | 43 | 13405M12    | 7,91 |
| 13 | 19,5 | 22 | 10 | 32 | 56 | 13405M13    | 8,49 |
| 14 | 20,8 | 22 | 10 | 32 | 56 | 13405M14    | 8,49 |
| 15 | 22   | 22 | 11 | 32 | 56 | 13405M15    | 8,49 |
| 16 | 23,3 | 22 | 11 | 32 | 57 | 13405M16    | 8,49 |
| 17 | 24,5 | 22 | 12 | 32 | 60 | 13405M17    | 8,49 |
| 18 | 25,8 | 22 | 12 | 32 | 62 | 13405M18    | 9,03 |
| 19 | 27   | 22 | 12 | 32 | 67 | 13405M19    | 9,03 |



○ VASOS BIHEXAGONALES DE PARED DELGADA

| mm | D1   | D2   | ℓ  | L  | ⚖  | Ref Métrica | €     |
|----|------|------|----|----|----|-------------|-------|
| 6  | 9,8  | 18,5 | 5  | 32 | 28 | 13406M6     | 7,89  |
| 7  | 11   | 18,5 | 5  | 32 | 30 | 13406M7     | 7,89  |
| 8  | 12,3 | 18,5 | 6  | 32 | 31 | 13406M8     | 7,89  |
| 9  | 13,5 | 18,5 | 7  | 32 | 32 | 13406M9     | 7,89  |
| 10 | 14,8 | 18,5 | 7  | 32 | 34 | 13406M10    | 7,91  |
| 11 | 16   | 18,5 | 8  | 32 | 35 | 13406M11    | 7,91  |
| 12 | 17,3 | 18,5 | 9  | 32 | 36 | 13406M12    | 7,91  |
| 13 | 18,5 | 21,5 | 10 | 32 | 43 | 13406M13    | 8,49  |
| 14 | 19,8 | 21,5 | 10 | 32 | 49 | 13406M14    | 8,49  |
| 15 | 21   | 21,5 | 11 | 32 | 49 | 13406M15    | 8,49  |
| 16 | 22,3 | 21,5 | 11 | 32 | 51 | 13406M16    | 8,49  |
| 17 | 23,5 | 21,5 | 12 | 32 | 54 | 13406M17    | 8,49  |
| 18 | 24,8 | 21,5 | 12 | 32 | 57 | 13406M18    | 9,04  |
| 19 | 26   | 21,5 | 12 | 32 | 60 | 13406M19    | 9,04  |
| 20 | 27,3 | 21,5 | 12 | 32 | 65 | 13406M20    | 9,04  |
| 21 | 28,5 | 21,5 | 12 | 32 | 70 | 13406M21    | 9,30  |
| 22 | 29,8 | 21,5 | 13 | 32 | 73 | 13406M22    | 9,30  |
| 23 | 31   | 21,5 | 13 | 32 | 73 | 13406M23    | 9,30  |
| 24 | 32,3 | 21,5 | 13 | 32 | 75 | 13406M24    | 10,07 |

» 13406M



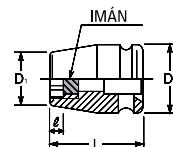
○ VASOS HEXAGONALES CON IMÁN

| mm | pulgadas | D1   | D2 | ℓ   | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|-----|----|-----|-------------|-------|--------------|-------|
| 6  | 1/4      | 10,8 | 19 | 2,4 | 32 | 46  | 13400MG6    | 11,88 | 13400AG1/4   | 11,97 |
| 7  |          | 12   | 19 | 2,8 | 32 | 45  | 13400MG7    | 11,88 |              |       |
| 8  | 5/16     | 13,3 | 19 | 3,5 | 32 | 45  | 13400MG8    | 11,88 | 13400AG5/16  | 12,37 |
| 9  |          | 14,5 | 19 | 3,8 | 32 | 44  | 13400MG9    | 11,88 |              |       |
| 10 | 3/8      | 15,8 | 19 | 4,2 | 32 | 49  | 13400MG10   | 11,88 | 13400AG3/8   | 12,37 |
| 11 | 7/16     | 17   | 19 | 4,9 | 32 | 50  | 13400MG11   | 11,88 | 13400AG7/16  | 12,37 |
| 12 |          | 18,3 | 19 | 5,6 | 32 | 55  | 13400MG12   | 11,88 |              |       |
| 13 | 1/2      | 19,5 | 22 | 6   | 32 | 70  | 13400MG13   | 11,88 | 13400AG1/2   | 12,37 |
| 14 | 9/16     | 20,8 | 22 | 6,4 | 32 | 76  | 13400MG14   | 12,81 | 13400AG9/16  | 14,24 |
| 15 |          | 22   | 22 | 6,8 | 32 | 76  | 13400MG15   | 14,24 |              |       |
| 16 | 5/8      | 23,3 | 22 | 7   | 32 | 88  | 13400MG16   | 14,24 | 13400AG5/8   | 14,24 |
| 17 | 11/16    | 24,5 | 22 | 7,5 | 32 | 95  | 13400MG17   | 14,24 | 13400AG11/16 | 14,24 |
| 18 |          | 25,8 | 22 | 7,8 | 32 | 105 | 13400MG18   | 14,24 |              |       |
| 19 | 3/4      | 27   | 22 | 8   | 32 | 116 | 13400MG19   | 14,24 | 13400AG3/4   | 14,24 |
| 21 |          | 29,5 | 22 | 8   | 32 | 125 | 13400MG21   | 41,35 |              |       |
| 22 |          | 30,8 | 22 | 9,5 | 32 | 135 | 13400MG22   | 42,01 |              |       |

» 13400MG » 13400AG



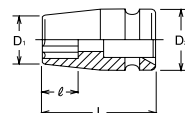
Patentado



○ VASOS SURFACE DRIVE (DE CONTACTO CURVO)

| mm | D1   | D2 | ℓ  | L  | ⚖  | Ref      | €    |
|----|------|----|----|----|----|----------|------|
| 6  | 10,8 | 19 | 55 | 32 | 40 | 13410M6  | 6,81 |
| 7  | 12   | 19 | 5  | 32 | 40 | 13410M7  | 6,81 |
| 8  | 13,3 | 19 | 6  | 32 | 40 | 13410M8  | 6,81 |
| 9  | 14,5 | 19 | 7  | 32 | 40 | 13410M9  | 6,81 |
| 10 | 15,8 | 19 | 7  | 32 | 40 | 13410M10 | 6,81 |
| 11 | 17   | 19 | 8  | 32 | 42 | 13410M11 | 6,81 |
| 12 | 18,3 | 19 | 9  | 32 | 50 | 13410M12 | 6,81 |
| 13 | 19,5 | 22 | 10 | 32 | 56 | 13410M13 | 7,42 |
| 14 | 20,8 | 22 | 10 | 32 | 56 | 13410M14 | 7,42 |
| 15 | 22   | 22 | 11 | 32 | 56 | 13410M15 | 7,42 |
| 16 | 23,3 | 22 | 11 | 32 | 57 | 13410M16 | 7,42 |
| 17 | 24,5 | 22 | 12 | 32 | 60 | 13410M17 | 7,42 |
| 18 | 25,8 | 22 | 12 | 32 | 62 | 13410M18 | 7,70 |
| 19 | 27   | 22 | 12 | 32 | 67 | 13410M19 | 7,70 |
| 22 | 30,8 | 22 | 13 | 32 | 72 | 13410M22 | 9,30 |

» 13410M

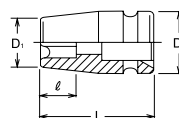




**VASOS PATHFINDER (GUÍA)**

» 13465M

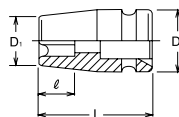
| mm | D1   | D2 | ℓ  | L  | ⚖  | Ref      | €     |
|----|------|----|----|----|----|----------|-------|
| 8  | 13,3 | 19 | 8  | 32 | 40 | 13465M8  | 10,78 |
| 10 | 15,8 | 19 | 8  | 32 | 43 | 13465M10 | 10,78 |
| 11 | 17   | 19 | 8  | 32 | 44 | 13465M11 | 10,78 |
| 12 | 18,3 | 19 | 9  | 32 | 47 | 13465M12 | 10,78 |
| 13 | 19,5 | 22 | 9  | 32 | 55 | 13465M13 | 11,04 |
| 14 | 20,8 | 22 | 11 | 32 | 56 | 13465M14 | 11,04 |
| 15 | 22   | 22 | 11 | 32 | 56 | 13465M15 | 11,04 |
| 16 | 23,3 | 22 | 11 | 32 | 57 | 13465M16 | 11,04 |
| 17 | 24,5 | 22 | 12 | 32 | 60 | 13465M17 | 11,04 |
| 18 | 25,8 | 22 | 13 | 32 | 63 | 13465M18 | 11,53 |
| 19 | 27   | 22 | 13 | 32 | 66 | 13465M19 | 11,53 |



**VASOS TORX®**

» 13425

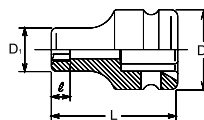
| TORX® | D1   | D2 | ℓ    | L  | ⚖  | Ref Métrica | €    |
|-------|------|----|------|----|----|-------------|------|
| E4    | 9,7  | 19 | 4,6  | 32 | 44 | 13425E-4    | 6,62 |
| E5    | 10,2 | 19 | 5,2  | 32 | 43 | 13425E-5    | 6,62 |
| E6    | 10,7 | 19 | 5,4  | 32 | 44 | 13425E-6    | 6,62 |
| E7    | 11,2 | 19 | 6,6  | 32 | 44 | 13425E-7    | 6,62 |
| E8    | 11,7 | 19 | 7    | 32 | 44 | 13425E-8    | 6,62 |
| E10   | 12,2 | 19 | 8,2  | 32 | 42 | 13425E-10   | 6,62 |
| E12   | 14,2 | 19 | 9,3  | 32 | 43 | 13425E-12   | 6,62 |
| E14   | 17,2 | 19 | 10,6 | 32 | 44 | 13425E-14   | 6,62 |
| E16   | 18,2 | 19 | 11,8 | 32 | 42 | 13425E-16   | 6,62 |



**VASOS LHS**

» 13401LH

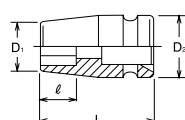
| LH-S | D1   | D2 | ℓ    | L  | ⚖  | Ref Métrica | €     |
|------|------|----|------|----|----|-------------|-------|
| 5S   | 11   | 19 | 5    | 32 | 32 | 13401LH5S   | 12,88 |
| 6S   | 12,3 | 19 | 5,6  | 32 | 34 | 13401LH6S   | 12,88 |
| 8S   | 16   | 19 | 6,8  | 32 | 36 | 13401LH8S   | 12,88 |
| 10S  | 18,5 | 22 | 8    | 32 | 50 | 13401LH10S  | 12,88 |
| 12S  | 22,3 | 22 | 9,2  | 32 | 58 | 13401LH12S  | 13,90 |
| 14S  | 24,8 | 22 | 10,4 | 32 | 63 | 13401LH14S  | 14,93 |
| 16S  | 28,5 | 22 | 11,6 | 32 | 77 | 13401LH16S  | 16,08 |



**VASOS PARA TORNILLOS AUTORROSCANTES**

» 13460M » 13460A

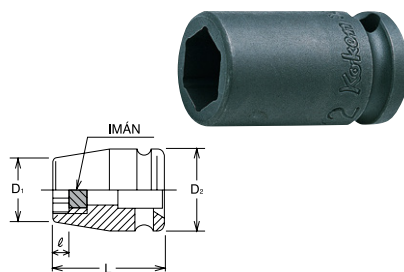
| mm | pulgadas | D1   | D2   | ℓ  | L  | ⚖  | Ref Métrica | €    | Ref Pulgadas | €     |
|----|----------|------|------|----|----|----|-------------|------|--------------|-------|
| 6  | 1/4      | 11,4 | 19   | 5  | 32 | 43 | 13460M6     | 8,71 | 13460A1/4    | 9,16  |
| 7  |          | 12,8 | 19   | 5  | 32 | 44 | 13460M7     | 8,71 |              |       |
| 8  |          | 14,1 | 19   | 6  | 32 | 44 | 13460M8     | 8,71 |              |       |
| 10 | 3/8      | 16,6 | 19   | 7  | 32 | 45 | 13460M10    | 8,71 | 13460A3/8    | 9,16  |
| 12 |          | 19   | 19,2 | 9  | 32 | 48 | 13460M12    | 8,71 |              |       |
| 13 | 1/2      | 20,3 | 22   | 10 | 32 | 60 | 13460M13    | 8,71 | 13460A1/2    | 10,02 |



○ VASOS HEXAGONALES CON IMÁN PARA TORNILLOS AUTORROSCANTES

| mm | pulgadas | D1   | D2 | ℓ   | L  | ⚖  | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|-----|----|----|-------------|-------|--------------|-------|
| 6  | 1/4      | 11,4 | 19 | 2,4 | 32 | 44 | 13460MG6    | 13,65 | 13460AG1/4   | 14,23 |
| 7  |          | 12,8 | 19 | 2,8 | 32 | 46 | 13460MG7    | 13,92 |              |       |
| 8  | 5/16     | 14,1 | 19 | 3,5 | 32 | 48 | 13460MG8    | 14,12 | 13460AG5/16  | 14,83 |
| 10 | 3/8      | 16,6 | 19 | 4,2 | 33 | 54 | 13460MG10   | 14,39 | 13460AG3/8   | 15,08 |
| 13 | 1/2      | 20,3 | 22 | 6   | 34 | 81 | 13460MG13   | 15,28 | 13460AG1/2   | 15,96 |

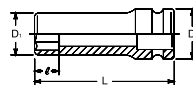
» 13460MG » 13460AG



○ VASOS HEXAGONALES MEDIANOS DE PARED DELGADA

| mm | D1   | D2   | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|------|----|----|-----|----------|-------|
| 7  | 11   | 18,5 | 7  | 50 | 40  | 13301X7  | 13,60 |
| 8  | 12,3 | 18,5 | 8  | 50 | 40  | 13301X8  | 13,60 |
| 10 | 14,8 | 18,5 | 10 | 50 | 46  | 13301X10 | 13,60 |
| 11 | 16   | 18,5 | 11 | 50 | 49  | 13301X11 | 13,60 |
| 12 | 17,3 | 18,5 | 12 | 50 | 53  | 13301X12 | 13,60 |
| 13 | 18,5 | 21,5 | 13 | 50 | 67  | 13301X13 | 13,60 |
| 14 | 19,8 | 21,5 | 14 | 50 | 70  | 13301X14 | 15,03 |
| 15 | 21   | 21,5 | 15 | 50 | 75  | 13301X15 | 15,03 |
| 16 | 22,3 | 21,5 | 16 | 50 | 78  | 13301X16 | 15,03 |
| 17 | 23,5 | 21,5 | 17 | 50 | 82  | 13301X17 | 15,03 |
| 18 | 24,8 | 21,5 | 18 | 50 | 86  | 13301X18 | 17,33 |
| 19 | 26   | 21,5 | 19 | 50 | 93  | 13301X19 | 17,80 |
| 21 | 28,5 | 21,5 | 21 | 50 | 104 | 13301X21 | 20,25 |
| 22 | 29,8 | 21,5 | 22 | 50 | 110 | 13301X22 | 20,25 |
| 23 | 31   | 21,5 | 23 | 50 | 115 | 13301X23 | 22,40 |
| 24 | 32,3 | 21,5 | 24 | 50 | 120 | 13301X24 | 22,40 |

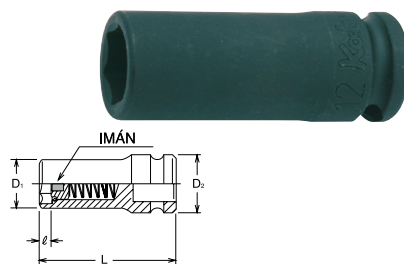
» 13301X



○ VASOS HEXAGONALES CON IMÁN CORREDIZO

| mm | D1   | D2 | ℓ   | L  | ⚖  | Ref       | €     |
|----|------|----|-----|----|----|-----------|-------|
| 7  | 12   | 19 | 3,5 | 50 | 52 | 13300XG7  | 25,62 |
| 8  | 13,3 | 19 | 4   | 50 | 40 | 13300XG8  | 25,62 |
| 10 | 15,8 | 19 | 4,5 | 50 | 46 | 13300XG10 | 42,80 |
| 11 | 17   | 19 | 5   | 50 | 50 | 13300XG11 | 42,80 |
| 12 | 18,3 | 19 | 6   | 50 | 55 | 13300XG12 | 42,80 |
| 13 | 19,5 | 22 | 6,5 | 50 | 70 | 13300XG13 | 45,07 |
| 14 | 20,8 | 22 | 7   | 50 | 75 | 13300XG14 | 47,50 |

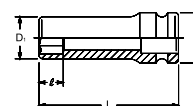
» 13300XG



○ VASOS HEXAGONALES LARGOS

| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|----|-----|-------------|-------|--------------|-------|
| 6  | 1/4      | 10,8 | 19 | 6  | 80 | 77  | 13300M6     | 9,81  | 13300A1/4    | 9,81  |
| 7  |          | 12   | 19 | 7  | 80 | 82  | 13300M7     | 9,81  |              |       |
| 8  | 5/16     | 13,3 | 19 | 8  | 80 | 82  | 13300M8     | 9,81  | 13300A5/16   | 9,81  |
| 9  |          | 14,5 | 19 | 9  | 80 | 88  | 13300M9     | 9,81  |              |       |
| 10 | 3/8      | 15,8 | 19 | 10 | 80 | 94  | 13300M10    | 9,81  | 13300A3/8    | 9,81  |
| 11 | 7/16     | 17   | 19 | 11 | 80 | 110 | 13300M11    | 9,81  | 13300A7/16   | 9,81  |
| 12 |          | 18,3 | 19 | 12 | 80 | 111 | 13300M12    | 9,81  |              |       |
| 13 | 1/2      | 19,5 | 22 | 13 | 80 | 138 | 13300M13    | 10,37 | 13300A1/2    | 9,92  |
| 14 | 9/16     | 20,8 | 22 | 14 | 80 | 148 | 13300M14    | 10,89 | 13300A9/16   | 10,90 |
| 15 |          | 22   | 22 | 15 | 80 | 157 | 13300M15    | 10,89 |              |       |
| 16 | 5/8      | 23,3 | 22 | 16 | 80 | 156 | 13300M16    | 10,89 | 13300A5/8    | 10,90 |
| 17 | 11/16    | 24,5 | 22 | 17 | 80 | 168 | 13300M17    | 10,89 | 13300A11/16  | 10,90 |
| 18 |          | 25,8 | 22 | 18 | 80 | 190 | 13300M18    | 10,89 |              |       |
| 19 | 3/4      | 27   | 22 | 19 | 80 | 192 | 13300M19    | 12,05 | 13300A3/4    | 12,02 |
| 20 |          | 28,3 | 22 | 20 | 80 | 224 | 13300M20    | 13,01 |              |       |
| 21 | 13/16    | 29,5 | 22 | 21 | 80 | 226 | 13300M21    | 14,12 | 13300A13/16  | 14,11 |
| 22 | 7/8      | 30,8 | 22 | 22 | 80 | 231 | 13300M22    | 14,12 | 13300A7/8    | 14,53 |
| 24 |          | 33,2 | 22 | 24 | 80 | 242 | 13300M24    | 15,86 |              |       |

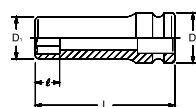
» 13300M » 13300A



○ VASOS HEXAGONALES LARGOS DE PARED DELGADA

| mm | pulgadas | D1   | D2   | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|------|----|----|-----|-------------|-------|--------------|-------|
| 6  | 1/4      | 10   | 18,5 | 6  | 80 | 65  | 13301M6     | 13,69 | 13301A1/4    | 14,51 |
| 7  |          | 11   | 18,5 | 7  | 80 | 66  | 13301M7     | 13,69 |              |       |
| 8  | 5/16     | 12,3 | 18,5 | 8  | 80 | 68  | 13301M8     | 13,69 | 13301A5/16   | 14,51 |
| 9  |          | 13,5 | 18,5 | 9  | 80 | 70  | 13301M9     | 13,69 |              |       |
| 10 | 3/8      | 14,8 | 18,5 | 10 | 80 | 72  | 13301M10    | 13,69 | 13301A3/8    | 14,51 |
| 11 | 7/16     | 16   | 18,5 | 11 | 80 | 80  | 13301M11    | 13,69 | 13301A7/16   | 14,51 |
| 12 |          | 17,3 | 18,5 | 12 | 80 | 85  | 13301M12    | 13,69 |              |       |
| 13 | 1/2      | 18,5 | 21,5 | 13 | 80 | 100 | 13301M13    | 15,16 | 13301A1/2    | 15,95 |
| 14 | 9/16     | 19,8 | 21,5 | 14 | 80 | 110 | 13301M14    | 15,16 | 13301A9/16   | 15,95 |
| 15 |          | 21   | 21,5 | 15 | 80 | 120 | 13301M15    | 15,16 |              |       |
| 16 | 5/8      | 22,3 | 21,5 | 16 | 80 | 130 | 13301M16    | 15,16 | 13301A5/8    | 15,95 |
| 17 | 11/16    | 23,5 | 21,5 | 17 | 80 | 136 | 13301M17    | 15,16 | 13301A11/16  | 15,95 |
| 18 |          | 24,8 | 21,5 | 18 | 80 | 145 | 13301M18    | 15,16 |              |       |
| 19 | 3/4      | 26   | 21,5 | 19 | 80 | 155 | 13301M19    | 17,97 | 13301A3/4    | 18,84 |
| 20 |          | 27,3 | 21,5 | 20 | 80 | 170 | 13301M20    | 17,97 |              |       |
| 21 | 13/16    | 28,5 | 21,5 | 21 | 80 | 181 | 13301M21    | 19,08 | 13301A13/16  | 20,16 |
| 22 | 7/8      | 29,8 | 21,5 | 22 | 80 | 190 | 13301M22    | 20,41 | 13301A7/8    | 21,41 |
| 24 |          | 32,3 | 21,5 | 24 | 80 | 216 | 13301M24    | 20,41 |              |       |

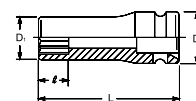
» 13301M » 13301A



○ VASOS BIHEXAGONALES DE PARED DELGADA

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     |
|----|------|----|----|----|-----|-------------|-------|
| 8  | 13,3 | 19 | 8  | 80 | 82  | 13305M8     | 13,71 |
| 10 | 15,8 | 19 | 10 | 80 | 94  | 13305M10    | 13,71 |
| 11 | 17   | 19 | 11 | 80 | 110 | 13305M11    | 13,71 |
| 12 | 18,3 | 19 | 12 | 80 | 111 | 13305M12    | 13,71 |
| 13 | 19,5 | 22 | 13 | 80 | 138 | 13305M13    | 15,16 |
| 14 | 20,8 | 22 | 14 | 80 | 148 | 13305M14    | 15,16 |
| 17 | 24,5 | 22 | 17 | 80 | 168 | 13305M17    | 15,16 |

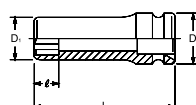
» 13305M



○ VASOS SURFACE DRIVE (DE CONTACTO CURVO) LARGOS

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     |
|----|------|----|----|----|-----|-------------|-------|
| 7  | 12   | 19 | 7  | 80 | 77  | 13310M7     | 11,95 |
| 8  | 13,3 | 19 | 8  | 80 | 82  | 13310M8     | 11,95 |
| 9  | 14,5 | 19 | 9  | 80 | 90  | 13310M9     | 11,95 |
| 10 | 15,8 | 19 | 10 | 80 | 94  | 13310M10    | 11,95 |
| 11 | 17   | 19 | 11 | 80 | 110 | 13310M11    | 11,95 |
| 12 | 18,3 | 19 | 12 | 80 | 111 | 13310M12    | 11,95 |
| 13 | 19,5 | 22 | 13 | 80 | 138 | 13310M13    | 13,04 |
| 14 | 20,8 | 22 | 14 | 80 | 148 | 13310M14    | 13,04 |
| 15 | 22   | 22 | 15 | 80 | 160 | 13310M15    | 13,04 |
| 16 | 23,3 | 22 | 16 | 80 | 156 | 13310M16    | 13,25 |
| 17 | 24,5 | 22 | 17 | 80 | 168 | 13310M17    | 15,40 |
| 18 | 25,8 | 22 | 18 | 80 | 190 | 13310M18    | 15,40 |
| 19 | 27   | 22 | 19 | 80 | 190 | 13310M19    | 15,40 |

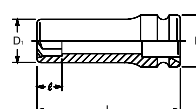
» 13310M



○ VASOS PATHFINDER (GUÍA) LARGOS

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     |
|----|------|----|----|----|-----|-------------|-------|
| 8  | 13,3 | 19 | 8  | 80 | 82  | 13365M8     | 15,71 |
| 10 | 15,8 | 19 | 10 | 80 | 94  | 13365M10    | 15,71 |
| 11 | 17   | 19 | 11 | 80 | 110 | 13365M11    | 15,71 |
| 12 | 18,3 | 19 | 12 | 80 | 111 | 13365M12    | 15,71 |
| 13 | 19,5 | 22 | 13 | 80 | 138 | 13365M13    | 16,27 |
| 14 | 20,8 | 22 | 14 | 80 | 148 | 13365M14    | 16,27 |
| 15 | 22   | 22 | 11 | 80 | 150 | 13365M15    | 16,27 |
| 16 | 23,3 | 22 | 11 | 80 | 159 | 13365M16    | 16,27 |
| 17 | 24,5 | 22 | 17 | 80 | 168 | 13365M17    | 16,27 |
| 18 | 25,8 | 22 | 18 | 80 | 190 | 13365M18    | 17,17 |
| 19 | 27   | 22 | 19 | 80 | 190 | 13365M19    | 17,17 |

» 13365M

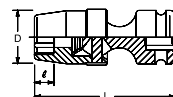


KOKEN IIIIII

○ VASOS CON ARTICULACIÓN UNIVERSAL

| mm | pulgadas | D    | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|-----|-------------|-------|--------------|-------|
| 10 | 3/8      | 15,8 | 5  | 57 | 115 | 13440M10    | 35,69 | 13440A3/8    | 37,46 |
| 11 | 7/16     | 17   | 6  | 57 | 115 | 13440M11    | 35,69 | 13440A7/16   | 37,46 |
| 12 |          | 18,3 | 6  | 57 | 115 | 13440M12    | 35,69 |              |       |
| 13 | 1/2      | 19,5 | 6  | 57 | 115 | 13440M13    | 35,69 | 13440A1/2    | 37,46 |
| 14 | 9/16     | 20,8 | 7  | 59 | 120 | 13440M14    | 35,69 | 13440A9/16   | 37,46 |
| 15 |          | 22   | 7  | 59 | 120 | 13440M15    | 35,69 |              |       |
| 16 | 5/8      | 23,3 | 8  | 59 | 120 | 13440M16    | 35,69 | 13440A5/8    | 37,46 |
| 17 | 11/16    | 24,5 | 8  | 59 | 120 | 13440M17    | 35,69 | 13440A11/16  | 37,46 |
| 18 |          | 25,8 | 9  | 61 | 126 | 13440M18    | 35,69 |              |       |
| 19 | 3/4      | 27   | 10 | 61 | 130 | 13440M19    | 35,69 | 13440A3/4    | 37,46 |
| 20 |          | 29,5 | 10 | 61 | 135 | 13440M20    | 39,12 |              |       |
| 21 |          | 30,7 | 14 | 66 | 175 | 13440M21    | 39,12 |              |       |
| 22 |          | 32   | 13 | 66 | 185 | 13440M22    | 39,12 |              |       |
| 24 |          | 34,5 | 13 | 68 | 190 | 13440M34    | 39,12 |              |       |

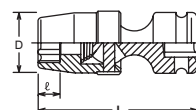
» 13440M » 13440A



● VASOS TORX® CON ARTICULACIÓN UNIVERSAL

| TORX® | D    | ℓ    | L  | ⚖   | Ref      | €     |
|-------|------|------|----|-----|----------|-------|
| E10   | 13,3 | 8,2  | 58 | 115 | 13440T10 | 36,74 |
| E12   | 15,8 | 9,3  | 58 | 115 | 13440T12 | 36,74 |
| E14   | 17   | 10,6 | 58 | 115 | 13440T14 | 36,74 |

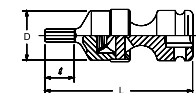
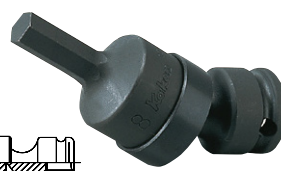
» 13440T



● VASOS INHEX CON ARTICULACIÓN UNIVERSAL

| mm | D  | ℓ  | L  | ⚖   | Ref      | €     |
|----|----|----|----|-----|----------|-------|
| 5  | 24 | 15 | 74 | 120 | 13430M5  | 38,67 |
| 6  | 24 | 15 | 74 | 131 | 13430M6  | 38,67 |
| 8  | 24 | 20 | 74 | 136 | 13430M8  | 38,67 |
| 10 | 24 | 20 | 74 | 141 | 13430M10 | 38,67 |
| 17 | 24 | 7  | 53 | 150 | 13430M17 | 38,67 |

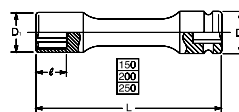
» 13430M



○ VASOS EXTRA LARGOS

| mm | D1   | D2 | ⚖   |     |     | Ref | L150   | €      | L200  | €      | L250  | €      |       |
|----|------|----|-----|-----|-----|-----|--------|--------|-------|--------|-------|--------|-------|
|    |      |    | 150 | 200 | 250 |     |        |        |       |        |       |        |       |
| 6  | 10,8 | 19 | 6   | 105 | 136 | 167 | 13145M | 150-6  | 28,35 | 200-6  | 31,39 | 250-6  | 32,18 |
| 8  | 13,3 | 19 | 8   | 110 | 141 | 172 | 13145M | 150-8  | 28,35 | 200-8  | 31,39 | 250-8  | 32,18 |
| 10 | 15,8 | 19 | 10  | 120 | 151 | 182 | 13145M | 150-10 | 28,35 | 200-10 | 31,39 | 250-10 | 32,18 |
| 12 | 18,3 | 19 | 12  | 128 | 159 | 190 | 13145M | 150-12 | 28,35 | 200-12 | 31,39 | 250-12 | 32,18 |
| 13 | 19,5 | 19 | 13  | 137 | 168 | 199 | 13145M | 150-13 | 28,92 | 200-13 | 31,39 | 250-13 | 34,23 |
| 14 | 20,8 | 19 | 14  | 146 | 177 | 208 | 13145M | 150-14 | 28,92 | 200-14 | 31,39 | 250-14 | 34,23 |
| 15 | 22   | 19 | 15  | 155 | 186 | 217 | 13145M | 150-15 | 27,94 | 200-15 | 31,39 | 250-15 | 34,23 |
| 17 | 24,5 | 19 | 17  | 163 | 194 | 225 | 13145M | 150-17 | 27,94 | 200-17 | 31,39 | 250-17 | 34,23 |

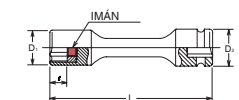
» 13145M-150/-200/-250



○ VASOS EXTRA LARGOS MAGNÉTICOS

| mm | D1   | D2 | ⚖   |     |     | Ref     | L100   | €     | L150   | €     | L200   | €     |
|----|------|----|-----|-----|-----|---------|--------|-------|--------|-------|--------|-------|
|    |      |    | 100 | 150 | 200 |         |        |       |        |       |        |       |
| 8  | 13,3 | 19 | 90  |     |     | 13145MG | 100-8  | 35,68 |        |       |        |       |
| 10 | 15,8 | 19 | 93  | 125 | 182 | 13145MG | 100-10 | 35,68 | 150-10 | 41,56 | 200-10 | 42,87 |
| 12 | 18,3 | 19 | 105 | 136 | 190 | 13145MG | 100-12 | 36,70 | 150-12 | 42,27 | 200-12 | 42,87 |
| 13 | 19,5 | 19 | 115 | 145 | 208 | 13145MG | 100-13 | 39,46 | 150-13 | 43,87 | 200-13 | 45,53 |
| 14 | 20,8 | 19 | 120 | 150 | 225 | 13145MG | 100-14 | 39,46 | 150-14 | 43,87 | 200-14 | 45,53 |

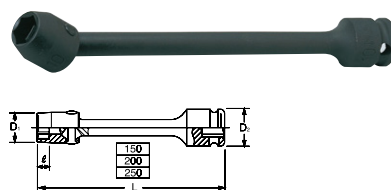
» 13145MG-100/-150/-200



○ VASOS EXTRA LARGOS ARTICULADOS

| mm | D1   | D2 | ℓ   | ⚖   |     |     | Ref    | Ref L150 | €     | Ref L200 | €     | Ref L250 | €     |
|----|------|----|-----|-----|-----|-----|--------|----------|-------|----------|-------|----------|-------|
|    |      |    |     | 150 | 200 | 250 |        |          |       |          |       |          |       |
| 8  | 12   | 19 | 6   | 128 | 159 | 190 | 13146M | 150-8    | 56,99 | 200-8    | 59,87 | 250-8    | 60,83 |
| 10 | 14,3 | 19 | 7   | 131 | 162 | 193 | 13146M | 150-10   | 56,99 | 200-10   | 59,87 | 250-10   | 60,83 |
| 12 | 18   | 19 | 8   | 133 | 164 | 195 | 13146M | 150-12   | 56,99 | 200-12   | 59,87 | 250-12   | 60,83 |
| 13 | 19,3 | 19 | 8,5 | 132 | 163 | 194 | 13146M | 150-13   | 56,99 | 200-13   | 59,87 | 250-13   | 60,83 |
| 14 | 20   | 19 | 9   | 132 | 163 | 194 | 13146M | 150-14   | 56,99 | 200-14   | 59,87 | 250-14   | 60,83 |

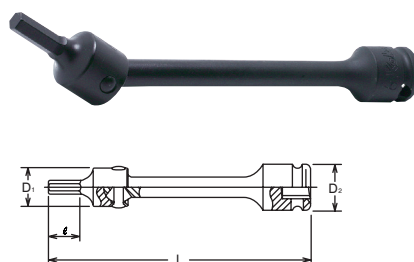
» 13146M-150/-200/-250



○ VASOS EXTRA LARGOS ARTICULADOS PUNTA HEXAGONAL

| mm | D1 | D2 | ℓ  | ⚖   |     | Ref L150     | €     | Ref L200     | €     |
|----|----|----|----|-----|-----|--------------|-------|--------------|-------|
|    |    |    |    | 150 | 200 |              |       |              |       |
| 4  | 21 | 19 | 15 | 125 | 156 | 13147M150-4  | 62,46 | 13147M200-4  | 66,20 |
| 5  | 21 | 19 | 15 | 128 | 159 | 13147M150-5  | 62,46 | 13147M200-5  | 66,20 |
| 6  | 21 | 19 | 15 | 132 | 163 | 13147M150-6  | 62,46 | 13147M200-6  | 66,20 |
| 8  | 21 | 19 | 15 | 136 | 167 | 13147M150-8  | 62,46 | 13147M200-8  | 66,20 |
| 10 | 21 | 19 | 15 | 140 | 171 | 13147M150-10 | 62,46 | 13147M200-10 | 66,20 |

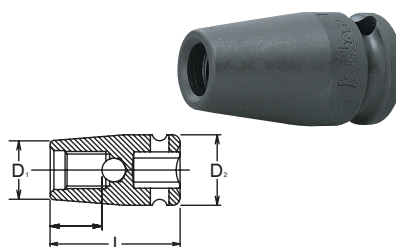
» 13147M-150/-200



○ EXTRACTOR DE ESPÁRRAGOS

| mm        | D1   | D2 | ℓ    | L  | ⚖  | Ref           | €     |
|-----------|------|----|------|----|----|---------------|-------|
| 5 (0,8)   | 9,5  | 19 | 8    | 32 | 39 | 13103M5       | 14,14 |
| 6 (1,0)   | 10,8 | 19 | 9    | 32 | 41 | 13103M6       | 14,14 |
| 7 (1,0)   | 12,5 | 19 | 10   | 32 | 44 | 13103M7       | 14,14 |
| 8 (1,25)  | 13,5 | 19 | 10,5 | 32 | 49 | 13103M8       | 14,14 |
| 10 (1,25) | 15,8 | 19 | 13   | 32 | 49 | 13103M10x1,25 | 14,14 |
| 10 (1,5)  | 15,8 | 19 | 13   | 32 | 49 | 13103M10x1,5  | 14,14 |

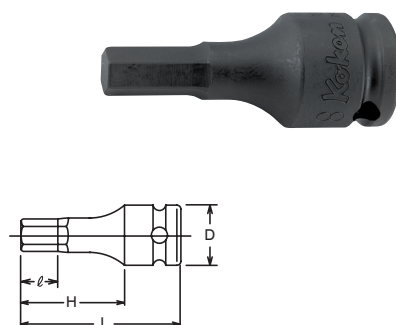
» 13103M



○ VASOS CON PUNTA HEXAGONAL

| mm | D  | ℓ    | L  | ⚖  | Ref         | €     |
|----|----|------|----|----|-------------|-------|
| 3  | 18 | 10   | 52 | 33 | 13012M52-3  | 15,28 |
| 4  | 18 | 15,5 | 52 | 35 | 13012M52-4  | 15,28 |
| 5  | 18 | 15,5 | 52 | 35 | 13012M52-5  | 15,28 |
| 6  | 18 | 15,5 | 52 | 39 | 13012M52-6  | 15,28 |
| 7  | 18 | 15,5 | 52 | 44 | 13012M52-7  | 16,01 |
| 8  | 21 | 15,5 | 52 | 60 | 13012M52-8  | 16,01 |
| 10 | 21 | 15,5 | 52 | 70 | 13012M52-10 | 16,01 |
| 12 | 21 | 15,5 | 52 | 79 | 13012M52-12 | 17,37 |
| 14 | 21 | 15,5 | 52 | 92 | 13012M52-14 | 20,42 |

» 13012M



▤ ○ JUEGO DE VASOS EN REGLETA

| Ref            | Tipo     | ▤   | ⚖   | ▤ | ▤                         | €      |
|----------------|----------|-----|-----|---|---------------------------|--------|
| RS13012M/8-L52 | ● 13012M | 200 | 492 | 8 | 4, 5, 6, 7, 8, 10, 12, 14 | 132,66 |

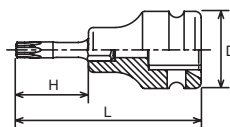
» RS13012M/8-L52



⊗ VASOS CON PUNTA TORX®

| TORX® | D  | ⚖  |     | Ref L50     | €     | Ref L90     | €     |
|-------|----|----|-----|-------------|-------|-------------|-------|
|       |    | 50 | 90  |             |       |             |       |
| T20   | 19 | 35 | 43  | 13025-50T20 | 16,59 | 13025-90T20 | 19,89 |
| T25   | 19 | 35 | 45  | 13025-50T25 | 16,59 | 13025-90T25 | 19,89 |
| T27   | 19 | 35 | 47  | 13025-50T27 | 16,59 | 13025-90T27 | 19,89 |
| T30   | 19 | 35 | 50  | 13025-50T30 | 16,59 | 13025-90T30 | 19,89 |
| T40   | 19 | 39 | 58  | 13025-50T40 | 16,59 | 13025-90T40 | 19,89 |
| T45   | 19 | 60 | 66  | 13025-50T45 | 16,59 | 13025-90T45 | 19,89 |
| T50   | 19 | 70 | 80  | 13025-50T50 | 18,41 | 13025-90T50 | 21,37 |
| T55   | 22 | 79 | 120 | 13025-50T55 | 21,13 | 13025-90T55 | 25,31 |

» 13025-50/-90



▤ ⊗ JUEGO DE VASOS EN REGLITA

| Ref           | Tipo    | ▤   | ⚖   | ▤ |  | €      |
|---------------|---------|-----|-----|---|--|--------|
| RS13025/8-L50 | ⊗ 13025 | 200 | 380 | 8 | T20, T25, T27, T30, T40, T45, T50, T55 | 140,15 |

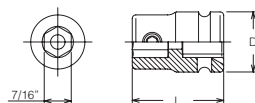
» RS13025/8-L50



○ PORTA PUNTA

| Ref   | L  | ⚖  | €     |
|-------|----|----|-------|
| 13134 | 32 | 70 | 11,30 |

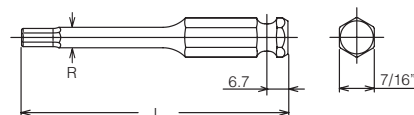
» 13134



● PUNTA PARA TORNILLOS INHEX

| pulgadas | L  | ⚖  | Ref      | €    |
|----------|----|----|----------|------|
| 3/16     | 35 | 15 | 183H3/16 | 5,95 |
| 7/32     | 35 | 16 | 183H7/32 | 5,95 |
| 1/4      | 35 | 18 | 183H1/4  | 5,95 |
| 5/16     | 35 | 20 | 183H5/16 | 6,33 |
| 3/8      | 35 | 26 | 183H3/8  | 6,33 |
| 7/16     | 35 | 28 | 183H7/16 | 6,51 |
| 1/2      | 35 | 38 | 183H1/2  | 9,00 |

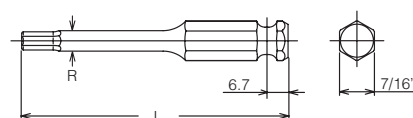
» 183H-35



● PUNTA PARA TORNILLOS INHEX

| mm | ⚖  |    |     | Ref L35    | €    | Ref L75    | €     | Ref L150    | €     |
|----|----|----|-----|------------|------|------------|-------|-------------|-------|
|    | 35 | 75 | 150 |            |      |            |       |             |       |
| 3  | 15 | 34 |     | 183H-35 3  | 5,96 | 183H-75 3  | 8,81  |             |       |
| 4  | 15 | 35 | 51  | 183H-35 4  | 5,96 | 183H-75 4  | 8,81  | 183H-150 4  | 9,42  |
| 5  | 15 | 36 | 55  | 183H-35 5  | 5,96 | 183H-75 5  | 8,81  | 183H-150 5  | 9,42  |
| 6  | 18 | 39 | 65  | 183H-35 6  | 5,96 | 183H-75 6  | 8,81  | 183H-150 6  | 9,42  |
| 7  | 19 | 44 |     | 183H-35 7  | 6,39 | 183H-75 7  | 8,81  |             |       |
| 8  | 20 | 47 | 87  | 183H-35 8  | 6,39 | 183H-75 8  | 8,81  | 183H-150 8  | 9,42  |
| 10 | 26 | 57 | 118 | 183H-35 10 | 6,39 | 183H-75 10 | 8,81  | 183H-150 10 | 9,42  |
| 11 | 28 | 60 |     | 183H-35 11 | 6,39 | 183H-75 11 | 12,78 |             |       |
| 12 | 30 | 65 | 136 | 183H-35 12 | 6,39 | 183H-75 12 | 13,15 | 183H-150 12 | 13,62 |
| 14 | 35 | 79 |     | 183H-35 14 | 6,39 | 183H-75 14 | 14,12 |             |       |
| 16 | 47 |    |     | 183H-35 16 | 8,16 |            |       |             |       |
| 17 | 50 |    |     | 183H-35 17 | 8,16 |            |       |             |       |
| 18 | 53 |    |     | 183H-35 18 | 8,71 |            |       |             |       |
| 19 | 56 |    |     | 183H-35 19 | 8,71 |            |       |             |       |

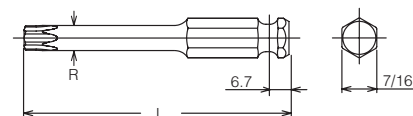
» 183H-35/-75/-150



● PUNTAS TORX

| TORX® | ⚖  |    |     | Ref L35   | €     | Ref L75   | €     | Ref L150   | €     |
|-------|----|----|-----|-----------|-------|-----------|-------|------------|-------|
|       | 35 | 75 | 150 |           |       |           |       |            |       |
| T25   | 18 |    |     | 183T35-25 | 7,81  |           |       |            |       |
| T30   | 18 | 35 | 50  | 183T35-30 | 7,81  | 183T75-30 | 10,33 | 183T150-30 | 14,05 |
| T40   | 20 | 37 | 58  | 183T35-40 | 7,81  | 183T75-40 | 10,33 | 183T150-40 | 14,05 |
| T45   | 22 | 41 | 70  | 183T35-45 | 7,81  | 183T75-45 | 10,33 | 183T150-45 | 14,05 |
| T50   | 26 | 45 | 82  | 183T35-50 | 8,00  | 183T75-50 | 10,33 | 183T150-50 | 14,05 |
| T55   | 30 | 55 | 113 | 183T35-55 | 8,00  | 183T75-55 | 10,33 | 183T150-55 | 14,05 |
| T60   | 38 | 67 |     | 183T35-60 | 10,03 | 183T75-60 | 11,21 |            |       |

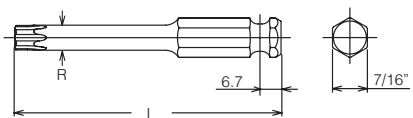
» 183T-35/-75/-150 (T)



● PUNTAS TORX PLUS

| TORX® | ⚖  |    | Ref L35     | €     | Ref L75     | €     |
|-------|----|----|-------------|-------|-------------|-------|
|       | 35 | 75 |             |       |             |       |
| 30IP  | 18 | 35 | 183T35-30IP | 6,90  | 183T75-30IP | 8,47  |
| 40IP  | 20 | 37 | 183T35-40IP | 6,90  | 183T75-40IP | 8,47  |
| 45IP  | 22 | 41 | 183T35-45IP | 6,90  | 183T75-45IP | 8,47  |
| 50IP  | 26 | 45 | 183T35-50IP | 7,16  | 183T75-50IP | 8,47  |
| 55IP  | 30 | 56 | 183T35-55IP | 7,16  | 183T75-55IP | 8,47  |
| 60IP  | 38 | 67 | 183T35-60IP | 12,06 | 183T75-60IP | 13,77 |

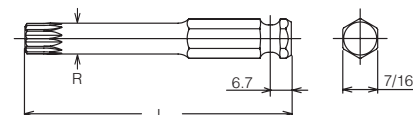
» 183T-35/-75 (IP)



● PUNTAS XZN

| mm  | ⚖  |    |     | Ref L35   | €     | Ref L75   | €     | Ref L150   | €     |
|-----|----|----|-----|-----------|-------|-----------|-------|------------|-------|
|     | 35 | 75 | 150 |           |       |           |       |            |       |
| M4  | 18 | 34 |     | 183X35M4  | 8,04  | 183X75M4  | 10,93 |            |       |
| M5  | 18 | 34 | 50  | 183X35M5  | 8,04  | 183X75M5  | 10,93 | 183X150M5  | 11,77 |
| M6  | 20 | 36 | 53  | 183X35M6  | 8,04  | 183X75M6  | 10,93 | 183X150M6  | 11,77 |
| M8  | 22 | 39 | 64  | 183X35M8  | 8,04  | 183X75M8  | 10,93 | 183X150M8  | 14,67 |
| M10 | 26 | 54 | 93  | 183X35M10 | 9,66  | 183X75M10 | 11,28 | 183X150M10 | 14,67 |
| M12 | 30 | 57 | 121 | 183X35M12 | 14,36 | 183X75M12 | 16,46 | 183X150M12 | 17,86 |
| M14 | 38 | 67 |     | 183X35M14 | 15,37 | 183X75M14 | 17,33 |            |       |

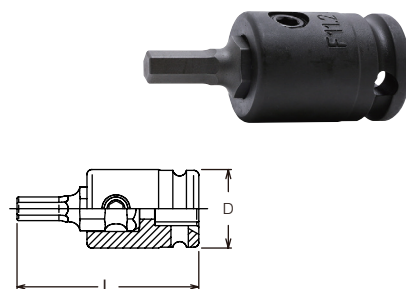
» 183X-35/-75/-150 (XZN)



● VASOS CON PUNTA HEXAGONAL

| mm | D  | ⚖   |     | Ref L52     | €     | Ref L92     | €     |
|----|----|-----|-----|-------------|-------|-------------|-------|
|    |    | 52  | 92  |             |       |             |       |
| 3  | 22 | 85  | 104 | 13134M52-3  | 18,82 | 13134M92-3  | 19,16 |
| 4  | 22 | 85  | 105 | 13134M52-4  | 18,82 | 13134M92-4  | 19,16 |
| 5  | 22 | 85  | 106 | 13134M52-5  | 19,20 | 13134M92-5  | 20,29 |
| 6  | 22 | 88  | 109 | 13134M52-6  | 19,20 | 13134M92-6  | 20,29 |
| 8  | 22 | 90  | 117 | 13134M52-8  | 19,66 | 13134M92-8  | 20,29 |
| 10 | 22 | 96  | 127 | 13134M52-10 | 19,66 | 13134M92-10 | 20,29 |
| 12 | 22 | 100 | 135 | 13134M52-12 | 19,66 | 13134M92-12 | 20,29 |
| 14 | 22 | 105 | 149 | 13134M52-14 | 19,66 | 13134M92-14 | 20,97 |

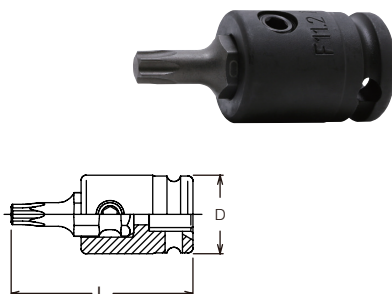
» 13134M-52/-92



● VASOS CON PUNTA TORX®

| TORX® | D  | ⚖   |     | Ref L52      | €     | Ref L92      | €     |
|-------|----|-----|-----|--------------|-------|--------------|-------|
|       |    | 52  | 92  |              |       |              |       |
| T30   | 22 | 88  | 105 | 13134T-52T30 | 21,07 | 13134T-92T30 | 22,27 |
| T40   | 22 | 90  | 107 | 13134T-52T40 | 21,07 | 13134T-92T40 | 22,27 |
| T45   | 22 | 92  | 111 | 13134T-52T45 | 21,07 | 13134T-92T45 | 22,27 |
| T50   | 22 | 96  | 115 | 13134T-52T50 | 21,07 | 13134T-92T50 | 22,27 |
| T55   | 22 | 100 | 125 | 13134T-52T55 | 21,07 | 13134T-92T55 | 22,27 |
| T60   | 22 | 108 | 137 | 13134T-52T60 | 21,07 | 13134T-92T60 | 22,27 |

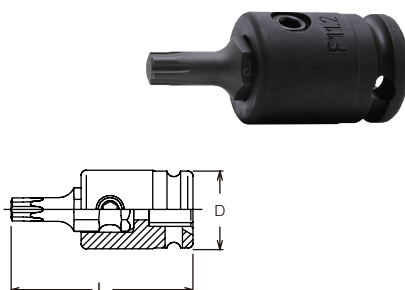
» 13134T-52/-92 (T)



● VASOS CON PUNTA TORX® PLUS

| TORX® | D  | ⚖   |     | Ref L52       | €     | Ref L92       | €     |
|-------|----|-----|-----|---------------|-------|---------------|-------|
|       |    | 52  | 92  |               |       |               |       |
| 30IP  | 22 | 88  | 105 | 13134T52-30IP | 17,74 | 13134T92-30IP | 18,97 |
| 40IP  | 22 | 90  | 107 | 13134T52-40IP | 17,74 | 13134T92-40IP | 18,97 |
| 45IP  | 22 | 92  | 111 | 13134T52-45IP | 17,74 | 13134T92-45IP | 18,97 |
| 50IP  | 22 | 96  | 115 | 13134T52-50IP | 18,05 | 13134T92-50IP | 18,97 |
| 55IP  | 22 | 100 | 126 | 13134T52-55IP | 18,05 | 13134T92-55IP | 18,97 |
| 60IP  | 22 | 108 | 139 | 13134T52-60IP | 22,79 | 13134T92-60IP | 24,49 |

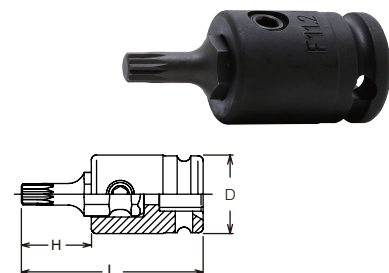
» 13134T-52/-92 (IP)



● VASOS CON PUNTA XZN

| XZN | D  | ⚖   |     | Ref L52      | €     | Ref L92      | €     |
|-----|----|-----|-----|--------------|-------|--------------|-------|
|     |    | 52  | 92  |              |       |              |       |
| M5  | 22 | 88  | 104 | 13134X-52M5  | 17,10 | 13134X-92M5  | 18,22 |
| M6  | 22 | 90  | 106 | 13134X-52M6  | 17,10 | 13134X-92M6  | 18,22 |
| M8  | 22 | 92  | 109 | 13134X-52M8  | 17,10 | 13134X-92M8  | 18,22 |
| M10 | 22 | 96  | 124 | 13134X-52M10 | 17,46 | 13134X-92M10 | 18,33 |
| M12 | 22 | 100 | 129 | 13134X-52M12 | 20,19 | 13134X-92M12 | 21,87 |
| M14 | 22 | 108 | 139 | 13134X-52M14 | 20,83 | 13134X-92M14 | 22,62 |

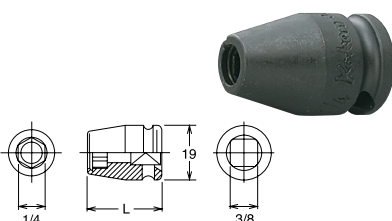
» 13134X-52/-92 (XZN)



○ PORTA PUNTA

| Ref   | L  | ⚖  | €     |
|-------|----|----|-------|
| 13139 | 30 | 32 | 12,63 |

» 13139

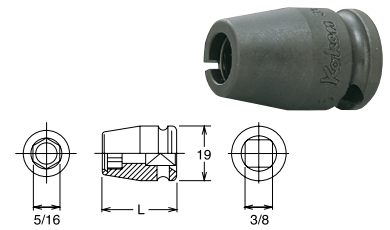




○ PORTA PUNTA

» 13140

| Ref   | L  | ⚖  | €     |
|-------|----|----|-------|
| 13140 | 30 | 32 | 12,63 |



ALARGADERAS

» 13760

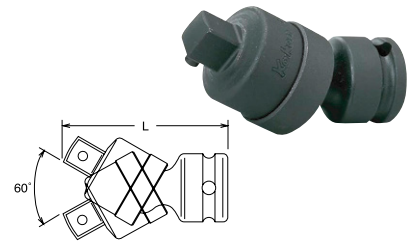
| Ref        | L   | ⚖   | €     |
|------------|-----|-----|-------|
| 13760-50P  | 50  | 70  | 9,39  |
| 13760-75P  | 75  | 95  | 9,39  |
| 13760-100P | 100 | 115 | 11,22 |
| 13760-125P | 125 | 140 | 11,22 |
| 13760-150P | 150 | 165 | 14,18 |
| 13760-200P | 200 | 215 | 20,97 |
| 13760-250P | 250 | 260 | 20,97 |



ARTICULACIÓN UNIVERSAL

» 13770P

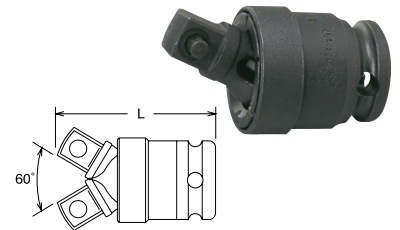
| Ref    | L  | ⚖   | €     |
|--------|----|-----|-------|
| 13770P | 56 | 110 | 35,69 |



ARTICULACIÓN UNIVERSAL

» 13771P

| Ref    | L  | ⚖  | €     |
|--------|----|----|-------|
| 13771P | 48 | 92 | 26,57 |



ADAPTADOR

» 13322A-P

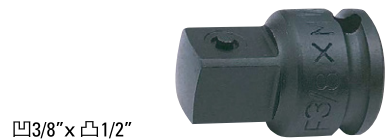
| Ref      | L  | ⚖  | €     |
|----------|----|----|-------|
| 13322A-P | 25 | 25 | 14,23 |



ADAPTADOR

» 13344A-P

| Ref      | L    | ⚖  | €     |
|----------|------|----|-------|
| 13344A-P | 32,5 | 53 | 13,55 |



🏠 ○ JUEGO DE VASOS

» 13241M

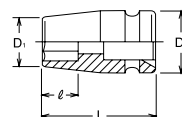
| Ref    | 🏠             | ⚖   | 🏠  | 🏠   | €     |
|--------|---------------|-----|----|---|-------|
| 13241M | 240 x 30 x 35 | 800 | 11 | 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 | 73,20 |



○ VASOS HEXAGONALES

| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|----|-----|-------------|-------|--------------|-------|
|    | 1/4      | 12   | 25 | 5  | 38 | 80  |             |       | 14400A1/4    | 6,84  |
| 8  | 5/16     | 14,5 | 25 | 6  | 38 | 85  | 14400M8     | 6,84  | 14400A5/16   | 6,84  |
| 9  |          | 15,7 | 25 | 7  | 38 | 85  | 14400M9     | 6,84  |              |       |
| 10 | 3/8      | 17   | 25 | 7  | 38 | 85  | 14400M10    | 6,84  | 14400A3/8    | 6,84  |
| 11 | 7/16     | 18,2 | 25 | 8  | 38 | 85  | 14400M11    | 6,84  | 14400A7/16   | 6,84  |
| 12 |          | 19,5 | 25 | 9  | 38 | 85  | 14400M12    | 6,84  |              |       |
| 13 | 1/2      | 20,7 | 25 | 10 | 38 | 85  | 14400M13    | 6,84  | 14400A1/2    | 6,84  |
| 14 | 9/16     | 22   | 25 | 10 | 38 | 85  | 14400M14    | 6,84  | 14400A9/16   | 6,84  |
| 15 | 19/32    | 23,2 | 30 | 11 | 38 | 130 | 14400M15    | 7,59  | 14400A19/32  |       |
| 16 | 5/8      | 24,5 | 30 | 11 | 38 | 130 | 14400M16    | 7,59  | 14400A5/8    | 7,59  |
| 17 | 11/16    | 25,7 | 30 | 12 | 38 | 13  | 14400M17    | 7,59  | 14400A11/16  | 7,59  |
| 18 |          | 27   | 30 | 13 | 38 | 130 | 14400M18    | 7,59  |              |       |
| 19 | 3/4      | 28,2 | 30 | 13 | 38 | 125 | 14400M19    | 7,59  | 14400A3/4    | 7,59  |
| 20 |          | 29,5 | 30 | 13 | 38 | 127 | 14400M20    | 8,64  |              |       |
| 21 | 13/16    | 30,7 | 30 | 14 | 38 | 120 | 14400M21    | 8,64  | 14400A13/16  | 8,64  |
| 22 | 7/8      | 32   | 30 | 14 | 38 | 130 | 14400M22    | 8,91  | 14400A7/8    | 8,91  |
| 23 |          | 33,2 | 30 | 14 | 38 | 130 | 14400M23    | 9,90  |              |       |
| 24 | 15/16    | 34,5 | 30 | 14 | 38 | 135 | 14400M24    | 9,90  | 14400A15/16  | 9,90  |
| 25 | 1        | 35,7 | 30 | 14 | 38 | 135 | 14400M25    | 9,90  | 14400A1      | 10,62 |
| 26 |          | 37   | 30 | 14 | 38 | 160 | 14400M26    | 10,62 |              |       |
| 27 | 1-1/16   | 38,2 | 30 | 16 | 40 | 160 | 14400M27    | 13,35 | 14400A1-1/16 | 10,62 |
| 28 |          | 39,5 | 30 | 16 | 40 | 170 | 14400M28    | 13,35 |              |       |
| 29 | 1-1/8    | 40,7 | 30 | 17 | 42 | 190 | 14400M29    | 13,94 | 14400A1-1/8  | 13,94 |
| 30 | 1-3/16   | 42   | 30 | 17 | 42 | 190 | 14400M30    | 13,91 | 14400A1-3/16 | 13,91 |
| 31 |          | 43,2 | 30 | 17 | 42 | 213 | 14400M31    | 13,94 |              |       |
| 32 | 1-1/4    | 44,5 | 30 | 18 | 42 | 216 | 14400M32    | 14,19 | 14400A1-1/4  | 14,19 |
| 33 | 1-5/16   | 45,7 | 30 | 19 | 46 | 260 | 14400M33    | 17,91 | 14400A1-5/16 | 20,75 |
| 34 | 1-3/8    | 47   | 30 | 19 | 46 | 263 | 14400M34    | 20,75 | 14400A1-3/8  | 21,75 |
| 35 |          | 48,2 | 30 | 19 | 46 | 275 | 14400M35    | 21,75 |              |       |
| 36 |          | 49,5 | 30 | 20 | 46 | 285 | 14400M36    | 21,75 |              |       |
| 38 | 1-1/2    | 52   | 30 | 20 | 53 | 360 | 14400M38    | 23,19 |              |       |
| 41 |          | 55,7 | 30 | 21 | 55 | 411 | 14400M41    | 37,17 |              |       |

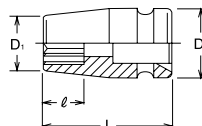
» 14400M » 14400A



○ VASOS BIHEXAGONALES

| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|----|-----|-------------|-------|--------------|-------|
| 8  | 5/16     | 14,5 | 25 | 6  | 38 | 85  | 14405M8     | 8,29  | 14405A5/16   | 8,71  |
| 9  |          | 15,7 | 25 | 7  | 38 | 85  | 14405M9     | 8,29  |              |       |
| 10 | 3/8      | 17   | 25 | 7  | 38 | 85  | 14405M10    | 8,29  | 14405A3/8    | 8,71  |
| 11 | 7/16     | 18,2 | 25 | 8  | 38 | 85  | 14405M11    | 8,29  | 14405A7/16   | 8,71  |
| 12 |          | 19,5 | 25 | 9  | 38 | 85  | 14405M12    | 8,29  |              |       |
| 13 | 1/2      | 20,7 | 25 | 10 | 38 | 85  | 14405M13    | 8,29  | 14405A1/2    | 8,71  |
| 14 | 9/16     | 22   | 25 | 10 | 38 | 85  | 14405M14    | 8,29  | 14405A9/16   | 8,71  |
| 15 |          | 23,2 | 30 | 11 | 38 | 130 | 14405M15    | 9,45  |              |       |
| 16 | 5/8      | 24,5 | 30 | 11 | 38 | 130 | 14405M16    | 9,45  | 14405A5/8    | 10,03 |
| 17 | 11/16    | 25,7 | 30 | 12 | 38 | 13  | 14405M17    | 10,19 | 14405A11/16  | 10,03 |
| 18 |          | 27   | 30 | 13 | 38 | 130 | 14405M18    | 10,19 |              |       |
| 19 | 3/4      | 28,2 | 30 | 13 | 38 | 125 | 14405M19    | 11,30 | 14405A3/4    | 11,30 |
| 20 |          | 29,5 | 30 | 13 | 38 | 127 | 14405M20    | 9,45  |              |       |
| 21 | 13/16    | 30,7 | 30 | 14 | 38 | 120 | 14405M21    | 11,30 | 14405A13/16  | 11,30 |
| 22 | 7/8      | 32   | 30 | 14 | 38 | 130 | 14405M22    | 11,30 | 14405A7/8    | 11,30 |
| 23 |          | 33,2 | 30 | 14 | 38 | 130 | 14405M23    | 11,33 |              |       |
| 24 | 15/16    | 34,5 | 30 | 14 | 38 | 135 | 14405M24    | 12,20 | 14405A15/16  | 12,22 |
|    | 1        | 35,7 | 30 | 14 | 38 | 135 |             |       | 14405A1      | 12,22 |
| 26 |          | 37   | 30 | 14 | 38 | 160 | 14405M26    | 13,01 |              |       |
| 27 | 1-1/16   | 38,2 | 30 | 16 | 40 | 160 | 14405M27    | 16,60 | 14405A1-1/16 | 12,22 |
| 28 |          | 39,5 | 30 | 16 | 40 | 170 | 14405M28    | 19,03 |              |       |
|    | 1-1/8    | 40,7 | 30 | 17 | 42 | 190 |             |       | 14405A1-1/8  | 12,49 |
| 30 | 1-3/16   | 42   | 30 | 17 | 42 | 190 | 14405M30    | 19,89 | 14405A1-3/16 | 13,78 |
| 32 | 1-1/4    | 44,5 | 30 | 18 | 42 | 216 | 14405M32    | 19,89 | 14405A1-1/4  | 15,33 |
|    | 1-5/16   | 45,7 | 30 | 19 | 46 | 260 |             |       | 14405A1-5/16 | 22,45 |
|    | 1-3/8    | 47   | 30 | 19 | 46 | 263 |             |       | 14405A1-3/8  | 22,89 |
| 36 |          | 49,5 | 30 | 20 | 46 | 285 | 14405M36    | 31,46 |              |       |
|    | 1-1/2    | 52   | 30 | 20 | 53 | 360 |             |       | 14405A1-1/2  | 44,06 |
| 41 |          | 55,7 | 30 | 20 | 55 | 411 | 14405M41    | 33,47 |              |       |

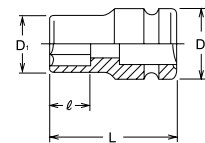
» 14405M » 14405A



○ VASOS HEXAGONALES DE PARED DELGADA

» 14401M » 14401A

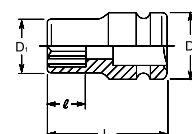
| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|----|-----|-------------|-------|--------------|-------|
|    | 1/4      |      |    |    |    |     |             |       | 14401A1/4    | 9,73  |
| 8  | 5/16     | 13   | 24 | 6  | 38 | 57  | 14401M8     | 9,73  | 14401A5/16   | 9,73  |
| 9  |          | 14,2 | 24 | 7  | 38 | 58  | 14401M9     | 9,73  |              |       |
| 10 | 3/8      | 15,5 | 24 | 7  | 38 | 60  | 14401M10    | 9,73  | 14401A3/8    | 9,99  |
| 11 | 7/16     | 16,7 | 24 | 8  | 38 | 62  | 14401M11    | 9,73  | 14401A7/16   | 9,99  |
| 12 |          | 18   | 24 | 9  | 38 | 63  | 14401M12    | 9,73  |              |       |
| 13 | 1/2      | 19,2 | 24 | 10 | 38 | 65  | 14401M13    | 13,35 | 14401A1/2    | 13,35 |
| 14 | 9/16     | 20,5 | 24 | 10 | 38 | 67  | 14401M14    | 13,35 | 14401A9/16   | 13,35 |
| 15 |          | 21,7 | 29 | 11 | 38 | 100 | 14401M15    | 13,35 |              |       |
| 16 | 5/8      | 23   | 29 | 11 | 38 | 102 | 14401M16    | 14,77 | 14401A5/8    | 14,77 |
| 17 | 11/16    | 24,2 | 29 | 12 | 38 | 105 | 14401M17    | 14,77 | 14401A11/16  | 14,77 |
| 18 |          | 25,5 | 29 | 13 | 38 | 105 | 14401M18    | 14,77 |              |       |
| 19 | 3/4      | 26,7 | 29 | 13 | 38 | 107 | 14401M19    | 14,77 | 14401A3/4    | 14,77 |
| 20 |          | 28   | 29 | 13 | 38 | 108 | 14401M20    | 18,62 |              |       |
| 21 | 13/16    | 29,2 | 29 | 14 | 38 | 109 | 14401M21    | 19,05 | 14401A13/16  | 19,05 |
| 22 | 7/8      | 30,5 | 29 | 14 | 38 | 114 | 14401M22    | 20,02 | 14401A7/8    | 20,02 |
| 23 |          | 31,7 | 29 | 14 | 38 | 118 | 14401M23    | 20,47 |              |       |
| 24 | 15/16    | 33   | 29 | 14 | 38 | 122 | 14401M24    | 22,87 | 14401A15/16  | 22,87 |
| 25 | 1        | 34,2 | 29 | 14 | 38 | 129 | 14401M25    | 22,87 | 14401A1      | 22,87 |
| 26 |          | 35,5 | 29 | 14 | 38 | 131 | 14401M26    | 24,51 |              |       |
| 27 | 1-1/16   | 36,7 | 29 | 16 | 40 | 145 | 14401M27    | 30,82 | 14401A1-1/16 | 30,82 |
| 28 |          | 38   | 29 | 16 | 40 | 152 | 14401M28    | 30,82 |              |       |
| 29 | 1-1/8    | 39,2 | 29 | 17 | 42 | 165 | 14401M29    | 32,19 | 14401A1-1/8  | 32,19 |
| 30 | 1-3/16   | 40,5 | 29 | 17 | 42 | 178 | 14401M30    | 32,16 | 14401A1-3/16 | 32,19 |
| 31 |          | 41,7 | 29 | 17 | 42 | 185 | 14401M31    | 32,19 |              |       |
| 32 | 1-1/4    | 43   | 29 | 18 | 42 | 188 | 14401M32    | 32,70 | 14401A1-1/4  | 32,70 |
| 33 | 1-5/16   | 44,2 | 29 | 19 | 46 | 219 | 14401M33    | 41,32 | 14401A1-5/16 | 41,32 |
| 34 | 1-3/8    | 45,5 | 29 | 19 | 46 | 248 | 14401M34    | 47,89 | 14401A1-3/8  | 47,89 |
| 35 |          | 46,7 | 29 | 19 | 46 | 250 | 14401M35    | 50,18 |              |       |
| 36 |          | 48   | 29 | 20 | 46 | 264 | 14401M36    | 50,18 |              |       |
| 38 |          | 50,5 | 29 | 20 | 53 | 316 | 14401M38    | 50,18 |              |       |
| 41 |          | 54,2 | 29 | 21 | 55 | 374 | 14401M41    | 50,18 |              |       |



○ VASOS BIHEXAGONALES DE PARED DELGADA

» 14406M » 14406A

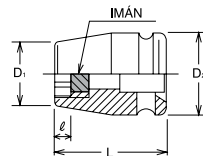
| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|----|-----|-------------|-------|--------------|-------|
|    | 1/4      |      |    |    |    |     |             |       | 14406A1/4    | 9,73  |
| 8  | 5/16     | 13   | 24 | 6  | 38 | 57  | 14406M8     | 9,73  | 14406A5/16   | 9,73  |
| 9  |          | 14,2 | 24 | 7  | 38 | 58  | 14406M9     | 9,73  |              |       |
| 10 | 3/8      | 15,5 | 24 | 7  | 38 | 60  | 14406M10    | 9,73  | 14406A3/8    | 9,73  |
| 11 | 7/16     | 16,7 | 24 | 8  | 38 | 62  | 14406M11    | 9,73  | 14406A7/16   | 9,73  |
| 12 |          | 18   | 24 | 9  | 38 | 63  | 14406M12    | 9,73  |              |       |
| 13 | 1/2      | 19,2 | 24 | 10 | 38 | 65  | 14406M13    | 13,35 | 14406A1/2    | 13,35 |
| 14 | 9/16     | 20,5 | 24 | 10 | 38 | 67  | 14406M14    | 13,35 | 14406A9/16   | 13,35 |
| 15 |          | 21,7 | 29 | 11 | 38 | 100 | 14406M15    | 13,35 |              |       |
| 16 | 5/8      | 23   | 29 | 11 | 38 | 102 | 14406M16    | 14,77 | 14406A5/8    | 14,77 |
| 17 | 11/16    | 24,2 | 29 | 12 | 38 | 105 | 14406M17    | 14,77 | 14406A11/16  | 14,77 |
| 18 |          | 25,5 | 29 | 13 | 38 | 105 | 14406M18    | 14,77 |              |       |
| 19 | 3/4      | 26,7 | 29 | 13 | 38 | 107 | 14406M19    | 14,77 | 14406A3/4    | 14,77 |
| 20 |          | 28   | 29 | 13 | 38 | 108 | 14406M20    | 18,62 |              |       |
| 21 | 13/16    | 29,2 | 29 | 14 | 38 | 109 | 14406M21    | 19,05 | 14406A13/16  | 19,05 |
| 22 | 7/8      | 30,5 | 29 | 14 | 38 | 114 | 14406M22    | 20,02 | 14406A7/8    | 20,02 |
| 23 |          | 31,7 | 29 | 14 | 38 | 118 | 14406M23    | 20,47 |              |       |
| 24 | 15/16    | 33   | 29 | 14 | 38 | 122 | 14406M24    | 22,87 | 14406A15/16  | 22,87 |
| 25 | 1        | 34,2 | 29 | 14 | 38 | 129 | 14406M25    | 22,87 | 14406A1      | 22,87 |
| 26 |          | 35,5 | 29 | 14 | 38 | 131 | 14406M26    | 24,51 |              |       |
| 27 | 1-1/16   | 36,7 | 29 | 16 | 40 | 145 | 14406M27    | 30,82 | 14406A1-1/16 | 24,51 |
| 28 |          | 38   | 29 | 16 | 40 | 152 | 14406M28    | 30,82 |              |       |
| 29 | 1-1/8    | 39,2 | 29 | 17 | 42 | 165 | 14406M29    | 32,19 | 14406A1-1/8  | 32,19 |
| 30 | 1-3/16   | 40,5 | 29 | 17 | 42 | 178 | 14406M30    | 32,16 | 14406A1-3/16 | 32,16 |
| 31 |          | 41,7 | 29 | 17 | 42 | 185 | 14406M31    | 32,19 |              |       |
| 32 | 1-1/4    | 43   | 29 | 18 | 42 | 188 | 14406M32    | 32,70 | 14406A1-1/4  | 32,70 |
| 33 | 1-5/16   | 44,2 | 29 | 19 | 46 | 219 | 14406M33    | 41,32 | 14406A1-5/16 | 41,32 |
| 34 | 1-3/8    | 45,5 | 29 | 19 | 46 | 248 | 14406M34    | 47,87 | 14406A1-3/8  | 47,86 |
| 36 |          | 48   | 29 | 20 | 46 | 264 | 14406M36    | 50,18 |              |       |



○ VASOS HEXAGONALES CON IMÁN

| mm | D1   | D2 | ℓ   | L  | ⚖   | Ref       | €     |
|----|------|----|-----|----|-----|-----------|-------|
| 8  | 14,5 | 25 | 3,5 | 38 | 95  | 14400MG8  | 12,99 |
| 10 | 17   | 25 | 4,2 | 38 | 95  | 14400MG10 | 17,39 |
| 12 | 19,5 | 25 | 5,6 | 38 | 100 | 14400MG12 | 17,39 |
| 13 | 20,7 | 25 | 6   | 38 | 100 | 14400MG13 | 17,38 |
| 14 | 22   | 25 | 6,4 | 38 | 105 | 14400MG14 | 17,38 |
| 15 | 23,2 | 30 | 6,8 | 38 | 140 | 14400MG15 | 19,21 |
| 16 | 24,5 | 30 | 7   | 38 | 145 | 14400MG16 | 19,20 |
| 17 | 25,7 | 30 | 7,5 | 38 | 145 | 14400MG17 | 19,20 |
| 18 | 27   | 30 | 7,8 | 38 | 147 | 14400MG18 | 19,20 |
| 19 | 28,2 | 30 | 8   | 38 | 147 | 14400MG19 | 19,20 |
| 21 | 30,7 | 30 | 8   | 38 | 165 | 14400MG21 | 29,12 |

» 14400MG

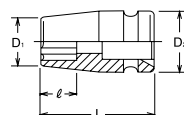


Patentado

○ VASOS SURFACE DRIVE (DE CONTACTO CURVO)

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 8  | 13   | 24 | 6  | 38 | 57  | 14410M8  | 8,45  |
| 9  | 14,2 | 24 | 7  | 38 | 58  | 14410M9  | 8,45  |
| 10 | 15,5 | 24 | 7  | 38 | 60  | 14410M10 | 8,45  |
| 11 | 16,7 | 24 | 8  | 38 | 62  | 14410M11 | 8,45  |
| 12 | 18   | 24 | 9  | 38 | 63  | 14410M12 | 8,45  |
| 13 | 19,2 | 24 | 10 | 38 | 65  | 14410M13 | 8,21  |
| 14 | 20,5 | 24 | 10 | 38 | 67  | 14410M14 | 8,21  |
| 15 | 21,7 | 29 | 11 | 38 | 100 | 14410M15 | 8,98  |
| 16 | 23   | 29 | 11 | 38 | 102 | 14410M16 | 11,77 |
| 17 | 24,2 | 29 | 12 | 38 | 105 | 14410M17 | 11,77 |
| 18 | 25,5 | 29 | 13 | 38 | 105 | 14410M18 | 11,77 |
| 19 | 26,7 | 29 | 13 | 38 | 107 | 14410M19 | 11,77 |
| 20 | 28   | 29 | 13 | 38 | 108 | 14410M20 | 12,95 |
| 21 | 29,2 | 29 | 14 | 38 | 109 | 14410M21 | 12,95 |
| 22 | 30,5 | 29 | 14 | 38 | 114 | 14410M22 | 12,95 |
| 24 | 33   | 29 | 14 | 38 | 122 | 14410M24 | 11,54 |
| 25 | 34,2 | 29 | 14 | 38 | 129 | 14410M25 | 13,36 |
| 26 | 35,5 | 29 | 14 | 38 | 131 | 14410M26 | 12,98 |
| 27 | 36,7 | 29 | 16 | 40 | 145 | 14410M27 | 13,36 |
| 28 | 38   | 29 | 16 | 40 | 152 | 14410M28 | 15,28 |
| 29 | 39,2 | 29 | 17 | 42 | 165 | 14410M29 | 15,28 |
| 30 | 40,5 | 29 | 17 | 42 | 178 | 14410M30 | 15,28 |
| 31 | 41,7 | 29 | 17 | 42 | 185 | 14410M31 | 15,71 |
| 32 | 43   | 29 | 18 | 42 | 188 | 14410M32 | 17,01 |
| 34 | 45,5 | 29 | 19 | 46 | 248 | 14410M34 | 26,54 |
| 36 | 48   | 29 | 20 | 46 | 264 | 14410M36 | 28,00 |

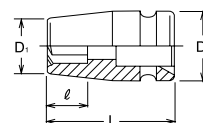
» 14410M



○ VASOS PATHFINDER (GUÍA)

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 10 | 17   | 25 | 8  | 38 | 89  | 14465M10 | 12,22 |
| 11 | 18,2 | 25 | 8  | 38 | 87  | 14465M11 | 12,22 |
| 12 | 19,5 | 25 | 9  | 38 | 87  | 14465M12 | 12,22 |
| 13 | 20,7 | 25 | 9  | 38 | 86  | 14465M13 | 12,22 |
| 14 | 22   | 25 | 11 | 38 | 86  | 14465M14 | 12,22 |
| 15 | 23,2 | 30 | 11 | 38 | 131 | 14465M15 | 13,65 |
| 16 | 24,5 | 30 | 11 | 38 | 131 | 14465M16 | 13,65 |
| 17 | 25,7 | 30 | 12 | 38 | 132 | 14465M17 | 13,65 |
| 18 | 27   | 30 | 13 | 38 | 128 | 14465M18 | 13,65 |
| 19 | 28,2 | 30 | 13 | 38 | 128 | 14465M19 | 13,65 |
| 20 | 29,5 | 30 | 14 | 38 | 125 | 14465M20 | 13,65 |
| 21 | 30,7 | 30 | 14 | 38 | 128 | 14465M21 | 14,39 |
| 22 | 32   | 30 | 15 | 38 | 130 | 14465M22 | 14,39 |
| 23 | 33,2 | 30 | 15 | 38 | 135 | 14465M23 | 14,39 |
| 24 | 34,5 | 30 | 15 | 38 | 135 | 14465M24 | 14,39 |
| 26 | 37   | 30 | 15 | 38 | 152 | 14465M26 | 15,78 |
| 27 | 38,2 | 30 | 16 | 38 | 169 | 14465M27 | 15,78 |

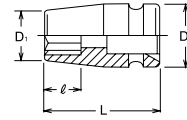
» 14465M



**VASOS OCTOGONALES**

» 14415M

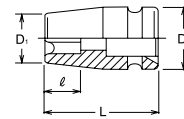
| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 14 | 25,7 | 30 | 10 | 38 | 138 | 14415M14 | 14,13 |
| 15 | 27   | 30 | 11 | 38 | 145 | 14415M15 | 14,13 |
| 16 | 29,5 | 30 | 11 | 38 | 150 | 14415M16 | 14,13 |
| 17 | 30,7 | 30 | 12 | 38 | 155 | 14415M17 | 14,13 |
| 18 | 32   | 30 | 13 | 38 | 165 | 14415M18 | 14,13 |
| 19 | 33,2 | 30 | 14 | 38 | 170 | 14415M19 | 14,13 |
| 22 | 38,2 | 30 | 14 | 40 | 185 | 14415M22 | 16,86 |
| 24 | 42   | 30 | 14 | 42 | 215 | 14415M24 | 18,47 |
| 27 | 45,7 | 30 | 16 | 46 | 278 | 14415M27 | 30,10 |
| 28 | 47   | 30 | 16 | 46 | 285 | 14415M28 | 37,34 |
| 29 | 49,5 | 30 | 17 | 46 | 326 | 14415M29 | 37,91 |



**VASOS TORX®**

» 14425

| TORX® | D1   | D2 | ℓ    | L  | ⚖   | Ref Métrica | €     |
|-------|------|----|------|----|-----|-------------|-------|
| E10   | 14,2 | 25 | 8,2  | 38 | 86  | 14425E10    | 7,96  |
| E11   | 14,7 | 25 | 8,7  | 38 | 86  | 14425E11    | 7,96  |
| E12   | 15,2 | 25 | 9,3  | 38 | 85  | 14425E12    | 7,96  |
| E14   | 18,2 | 25 | 10,6 | 38 | 88  | 14425E14    | 7,96  |
| E16   | 19,2 | 25 | 11,8 | 38 | 88  | 14425E16    | 7,96  |
| E18   | 22,2 | 25 | 13   | 40 | 89  | 14425E18    | 7,96  |
| E20   | 24,2 | 30 | 14,4 | 40 | 134 | 14425E20    | 9,78  |
| E22   | 26,2 | 30 | 15,5 | 40 | 140 | 14425E22    | 10,28 |
| E24   | 28,2 | 30 | 17   | 42 | 138 | 14425E24    | 10,28 |

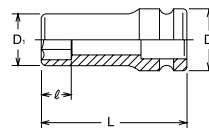


KOKEN IIIIII

**VASOS HEXAGONALES MEDIANOS DE PARED DELGADA**

» 14301X

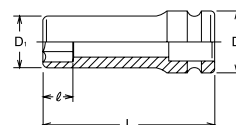
| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 8  | 13   | 24 | 8  | 60 | 72  | 14301X8  | 18,25 |
| 9  | 14,2 | 24 | 9  | 60 | 75  | 14301X9  | 18,25 |
| 10 | 15,5 | 24 | 10 | 60 | 79  | 14301X10 | 18,26 |
| 11 | 16,7 | 24 | 11 | 60 | 82  | 14301X11 | 18,26 |
| 12 | 18   | 24 | 12 | 60 | 88  | 14301X12 | 18,26 |
| 13 | 19,2 | 24 | 13 | 60 | 92  | 14301X13 | 18,26 |
| 14 | 20,5 | 24 | 14 | 60 | 97  | 14301X14 | 18,26 |
| 15 | 21,7 | 29 | 15 | 60 | 125 | 14301X15 | 18,26 |
| 16 | 23   | 29 | 16 | 60 | 135 | 14301X16 | 19,48 |
| 17 | 24,2 | 29 | 17 | 60 | 142 | 14301X17 | 19,48 |
| 18 | 25,5 | 29 | 18 | 60 | 148 | 14301X18 | 19,48 |
| 19 | 26,7 | 29 | 19 | 60 | 151 | 14301X19 | 19,67 |
| 21 | 29,2 | 29 | 21 | 60 | 170 | 14301X21 | 21,19 |
| 22 | 30,5 | 29 | 22 | 65 | 187 | 14301X22 | 21,19 |
| 23 | 31,7 | 29 | 23 | 65 | 192 | 14301X23 | 22,39 |
| 24 | 33   | 29 | 24 | 65 | 202 | 14301X24 | 22,39 |
| 25 | 34,2 | 29 | 25 | 65 | 210 | 14301X25 | 22,39 |
| 26 | 35,5 | 29 | 26 | 65 | 218 | 14301X26 | 25,11 |
| 27 | 36,7 | 29 | 27 | 65 | 231 | 14301X27 | 26,64 |
| 30 | 40,5 | 29 | 30 | 65 | 268 | 14301X30 | 26,95 |
| 32 | 43   | 29 | 32 | 65 | 296 | 14301X32 | 26,95 |
| 33 | 44,2 | 29 | 33 | 65 | 318 | 14301X33 | 28,95 |
| 34 | 45,5 | 29 | 34 | 65 | 330 | 14301X34 | 28,95 |
| 36 | 48   | 29 | 36 | 65 | 350 | 14301X36 | 28,95 |



○ VASOS HEXAGONALES LARGOS

| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|----|-----|-------------|-------|--------------|-------|
| 8  | 5/16     | 14,5 | 25 | 8  | 80 | 137 | 14300M8     | 12,48 | 14300A5/16   | 12,48 |
| 9  |          | 15,7 | 25 | 9  | 80 | 138 | 14300M9     | 12,48 |              |       |
| 10 | 3/8      | 17   | 25 | 10 | 80 | 140 | 14300M10    | 12,48 | 14300A3/8    | 12,48 |
| 11 | 7/16     | 18,2 | 25 | 11 | 80 | 156 | 14300M11    | 12,48 | 14300A7/16   | 12,48 |
| 12 |          | 19,5 | 25 | 12 | 80 | 162 | 14300M12    | 12,48 |              |       |
| 13 | 1/2      | 20,7 | 25 | 13 | 80 | 162 | 14300M13    | 13,18 | 14300A1/2    | 13,18 |
| 14 | 9/16     | 22   | 25 | 14 | 80 | 174 | 14300M14    | 13,18 | 14300A9/16   | 13,18 |
| 15 |          | 23,2 | 30 | 15 | 80 | 220 | 14300M15    | 13,84 |              |       |
| 16 | 5/8      | 24,5 | 30 | 16 | 80 | 232 | 14300M16    | 13,84 | 14300A5/8    | 13,84 |
| 17 | 11/16    | 25,7 | 30 | 17 | 80 | 232 | 14300M17    | 13,84 | 14300A11/16  | 13,84 |
| 18 |          | 27   | 30 | 18 | 80 | 232 | 14300M18    | 13,84 |              |       |
| 19 | 3/4      | 28,2 | 30 | 19 | 80 | 259 | 14300M19    | 13,84 | 14300A3/4    | 13,84 |
| 20 |          | 29,5 | 30 | 20 | 80 | 265 | 14300M20    | 14,94 |              |       |
| 21 | 13/16    | 30,7 | 30 | 21 | 80 | 265 | 14300M21    | 15,34 | 14300A13/16  | 14,94 |
| 22 | 7/8      | 32   | 30 | 22 | 85 | 290 | 14300M22    | 15,34 | 14300A7/8    | 15,34 |
| 23 |          | 33,2 | 30 | 23 | 85 | 300 | 14300M23    | 15,85 |              |       |
| 24 | 15/16    | 34,5 | 30 | 24 | 85 | 329 | 14300M24    | 16,65 | 14300A15/16  | 16,65 |
| 25 | 1        | 35,7 | 30 | 25 | 85 | 345 | 14300M25    | 18,79 | 14300A1      | 18,79 |
| 26 |          | 37   | 30 | 26 | 85 | 350 | 14300M26    | 18,79 |              |       |
| 27 | 1-1/16   | 38,2 | 30 | 27 | 85 | 385 | 14300M27    | 18,79 | 14300A1-1/16 | 18,79 |
| 28 |          | 39,5 | 30 | 28 | 85 | 390 | 14300M28    | 20,69 |              |       |
| 29 | 1-1/8    | 40,7 | 30 | 29 | 85 | 416 | 14300M29    | 24,69 | 14300A1-1/8  | 20,69 |
| 30 | 1-3/16   | 42   | 30 | 30 | 85 | 457 | 14300M30    | 24,69 | 14300A1-3/16 | 24,69 |
| 31 |          | 43,2 | 30 | 31 | 85 | 505 | 14300M31    | 26,18 |              |       |
| 32 | 1-1/4    | 44,5 | 30 | 32 | 85 | 542 | 14300M32    | 26,18 | 14300A1-1/4  | 26,18 |
| 33 |          | 45,7 | 30 | 33 | 85 | 562 | 14300M33    | 29,00 |              |       |
| 34 |          | 47   | 30 | 33 | 85 | 570 | 14300M34    | 29,00 |              |       |
| 35 |          | 48,2 | 30 | 35 | 85 | 600 | 14300M35    | 29,00 |              |       |
| 36 |          | 49,5 | 30 | 36 | 85 | 640 | 14300M36    | 32,45 |              |       |
|    | 1-7/16   | 50,7 | 30 | 37 | 85 | 580 |             |       | 14300A1-7/16 | 40,69 |
| 38 | 1-1/2    | 52   | 30 | 38 | 85 | 655 | 14300M38    | 37,74 |              |       |
| 41 |          | 55,7 | 30 | 38 | 85 | 690 | 14300M41    | 38,65 |              |       |

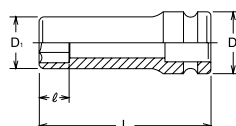
» 14300M » 14300A



○ VASOS HEXAGONALES LARGOS DE PARED DELGADA

| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|----|----|-----|-------------|-------|--------------|-------|
| 8  |          | 13   | 24 | 8  | 80 | 87  | 14301M8     | 14,68 |              |       |
| 9  |          | 14,2 | 24 | 9  | 80 | 92  | 14301M9     | 14,68 |              |       |
| 10 | 3/8      | 15,5 | 24 | 10 | 80 | 98  | 14301M10    | 14,68 | 14301A3/8    | 15,35 |
| 11 | 7/16     | 16,7 | 24 | 11 | 80 | 104 | 14301M11    | 14,68 | 14301A7/16   | 15,35 |
| 12 |          | 18   | 24 | 12 | 80 | 111 | 14301M12    | 14,68 |              |       |
| 13 | 1/2      | 19,2 | 24 | 13 | 80 | 120 | 14301M13    | 17,71 | 14301A1/2    | 15,35 |
| 14 | 9/16     | 20,5 | 24 | 14 | 80 | 127 | 14301M14    | 17,71 | 14301A9/16   | 17,72 |
| 15 |          | 21,7 | 29 | 15 | 80 | 169 | 14301M15    | 17,71 |              |       |
| 16 | 5/8      | 23   | 29 | 16 | 80 | 173 | 14301M16    | 18,32 | 14301A5/8    | 17,72 |
| 17 | 11/16    | 24,2 | 29 | 17 | 80 | 182 | 14301M17    | 18,32 | 14301A11/16  | 18,31 |
| 18 |          | 25,5 | 29 | 18 | 80 | 192 | 14301M18    | 18,32 |              |       |
| 19 | 3/4      | 26,7 | 29 | 19 | 80 | 197 | 14301M19    | 18,32 | 14301A3/4    | 18,31 |
| 20 |          | 28   | 29 | 20 | 80 | 203 | 14301M20    | 20,10 |              |       |
| 21 | 13/16    | 29,2 | 29 | 21 | 80 | 218 | 14301M21    | 21,80 | 14301A13/16  | 20,09 |
| 22 | 7/8      | 30,5 | 29 | 22 | 85 | 244 | 14301M22    | 21,80 | 14301A7/8    | 21,91 |
| 23 |          | 31,7 | 29 | 23 | 85 | 253 | 14301M23    | 22,49 |              |       |
| 24 | 15/16    | 33   | 29 | 24 | 85 | 261 | 14301M24    | 23,68 | 14301A15/16  | 23,68 |
| 25 |          | 34,2 | 29 | 25 | 85 | 282 | 14301M25    | 26,72 |              |       |
| 26 |          | 35,5 | 29 | 26 | 85 | 299 | 14301M26    | 26,72 |              |       |
| 27 | 1-1/16   | 36,7 | 29 | 27 | 85 | 314 | 14301M27    | 26,72 | 14301A1-1/16 | 26,71 |
| 28 |          | 38   | 29 | 29 | 85 | 273 | 14301M28    | 26,72 |              |       |
| 29 | 1-1/8    | 39,2 | 29 | 29 | 85 | 280 | 14301M29    | 35,08 | 14301A1-1/8  | 31,88 |
| 30 |          | 40,5 | 29 | 30 | 85 | 360 | 14301M30    | 35,08 |              |       |
| 31 |          | 41,7 | 29 | 31 | 85 | 370 | 14301M31    | 37,22 |              |       |
| 32 |          | 43   | 29 | 32 | 85 | 380 | 14301M32    | 37,22 |              |       |
| 34 |          | 45,5 | 29 | 34 | 85 | 411 | 14301M34    | 41,23 |              |       |
| 35 |          | 46,7 | 29 | 35 | 85 | 450 | 14301M35    | 43,88 |              |       |
| 36 |          | 48   | 29 | 36 | 85 | 460 | 14301M36    | 46,11 |              |       |
| 38 |          | 50,5 | 29 | 38 | 85 | 508 | 14301M38    | 47,44 |              |       |
| 41 |          | 54,2 | 29 | 38 | 85 | 552 | 14301M41    | 57,37 |              |       |

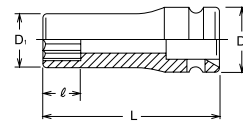
» 14301M » 14301A



○ VASOS BIHEXAGONALES LARGOS

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 8  | 14,5 | 25 | 8  | 80 | 137 | 14305M8  | 17,20 |
| 10 | 17   | 25 | 10 | 80 | 140 | 14305M10 | 17,65 |
| 11 | 18,2 | 25 | 11 | 80 | 156 | 14305M11 | 17,65 |
| 12 | 19,5 | 25 | 12 | 80 | 162 | 14305M12 | 17,65 |
| 13 | 20,7 | 25 | 13 | 80 | 162 | 14305M13 | 17,65 |
| 14 | 22   | 25 | 14 | 80 | 174 | 14305M14 | 17,65 |
| 15 | 23,2 | 30 | 15 | 80 | 220 | 14305M15 | 17,65 |
| 16 | 24,5 | 30 | 16 | 80 | 232 | 14305M16 | 17,65 |
| 17 | 25,7 | 30 | 17 | 80 | 232 | 14305M17 | 17,65 |
| 18 | 27   | 30 | 18 | 80 | 232 | 14305M18 | 17,76 |
| 19 | 28,2 | 30 | 19 | 80 | 259 | 14305M19 | 17,76 |
| 20 | 29,5 | 30 | 20 | 80 | 265 | 14305M20 | 17,76 |
| 21 | 30,7 | 30 | 21 | 80 | 265 | 14305M21 | 19,05 |
| 22 | 32   | 30 | 22 | 85 | 290 | 14305M22 | 19,05 |
| 23 | 33,2 | 30 | 23 | 85 | 300 | 14305M23 | 20,37 |
| 24 | 34,5 | 30 | 24 | 85 | 329 | 14305M24 | 20,37 |
| 26 | 37   | 30 | 26 | 85 | 350 | 14305M26 | 23,54 |
| 27 | 38,2 | 30 | 27 | 85 | 385 | 14305M27 | 24,07 |
| 28 | 39,5 | 30 | 28 | 85 | 390 | 14305M28 | 25,36 |
| 29 | 40,7 | 30 | 29 | 85 | 416 | 14305M29 | 26,89 |
| 30 | 42   | 30 | 30 | 85 | 457 | 14305M30 | 26,89 |
| 32 | 44,5 | 30 | 32 | 85 | 542 | 14305M32 | 31,25 |
| 33 | 45,7 | 30 | 33 | 85 | 562 | 14305M33 | 38,81 |
| 36 | 49,5 | 30 | 36 | 85 | 635 | 14305M36 | 50,92 |

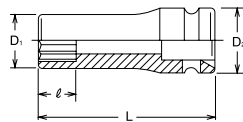
» 14305M



○ VASOS BIHEXAGONALES DE PARED DELGADA

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 8  | 13   | 24 | 8  | 80 | 88  | 14306M8  | 19,52 |
| 10 | 15,5 | 24 | 10 | 80 | 98  | 14306M10 | 19,03 |
| 12 | 18   | 24 | 12 | 80 | 111 | 14306M12 | 19,03 |
| 13 | 19,2 | 24 | 13 | 80 | 120 | 14306M13 | 19,03 |
| 14 | 20,5 | 24 | 14 | 80 | 127 | 14306M14 | 19,03 |
| 15 | 21,7 | 29 | 15 | 80 | 169 | 14306M15 | 20,32 |
| 16 | 23   | 29 | 16 | 80 | 173 | 14306M16 | 20,32 |
| 17 | 24,2 | 29 | 17 | 80 | 182 | 14306M17 | 20,32 |
| 18 | 25,5 | 29 | 18 | 80 | 192 | 14306M18 | 20,50 |
| 19 | 26,7 | 29 | 19 | 80 | 197 | 14306M19 | 20,50 |
| 21 | 29,2 | 29 | 21 | 80 | 218 | 14306M21 | 21,97 |
| 22 | 30,5 | 29 | 22 | 85 | 244 | 14306M22 | 21,97 |
| 24 | 33   | 29 | 24 | 85 | 261 | 14306M24 | 23,51 |
| 27 | 36,7 | 29 | 27 | 85 | 314 | 14306M27 | 27,73 |
| 30 | 40,5 | 29 | 30 | 85 | 360 | 14306M30 | 36,05 |
| 32 | 43   | 29 | 32 | 85 | 380 | 14306M32 | 38,04 |

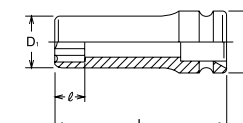
» 14306M



○ VASOS SURFACE DRIVE (DE CONTACTO CURVO) LARGOS

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 10 | 17   | 25 | 10 | 80 | 136 | 14310M10 | 15,98 |
| 11 | 18,2 | 25 | 11 | 80 | 148 | 14310M11 | 15,98 |
| 12 | 19,5 | 25 | 12 | 80 | 156 | 14310M12 | 15,98 |
| 13 | 20,7 | 25 | 13 | 80 | 158 | 14310M13 | 15,50 |
| 14 | 22   | 25 | 14 | 80 | 170 | 14310M14 | 15,50 |
| 15 | 23,2 | 30 | 15 | 80 | 225 | 14310M15 | 15,50 |
| 16 | 24,5 | 30 | 16 | 80 | 228 | 14310M16 | 16,44 |
| 17 | 25,7 | 30 | 17 | 80 | 232 | 14310M17 | 16,44 |
| 18 | 27   | 30 | 18 | 80 | 232 | 14310M18 | 16,44 |
| 19 | 28,2 | 30 | 19 | 80 | 252 | 14310M19 | 16,44 |
| 20 | 29,5 | 30 | 20 | 80 | 260 | 14310M20 | 18,06 |
| 21 | 30,7 | 30 | 21 | 80 | 260 | 14310M21 | 18,06 |
| 22 | 32   | 30 | 22 | 80 | 290 | 14310M22 | 18,06 |
| 23 | 33,2 | 30 | 23 | 80 | 300 | 14310M23 | 19,66 |
| 24 | 34,5 | 30 | 24 | 80 | 322 | 14310M24 | 19,66 |
| 25 | 35,7 | 30 | 25 | 80 | 338 | 14310M25 | 20,07 |
| 26 | 37   | 30 | 26 | 80 | 350 | 14310M26 | 24,23 |
| 27 | 38,2 | 30 | 27 | 80 | 380 | 14310M27 | 24,75 |
| 28 | 39,5 | 30 | 28 | 80 | 390 | 14310M28 | 25,35 |
| 29 | 40,7 | 30 | 29 | 80 | 416 | 14310M29 | 27,74 |
| 30 | 42   | 30 | 30 | 80 | 450 | 14310M30 | 27,74 |
| 31 | 43,2 | 30 | 31 | 80 | 505 | 14310M31 | 31,30 |
| 32 | 44,5 | 30 | 32 | 80 | 535 | 14310M32 | 31,30 |
| 34 | 47   | 30 | 34 | 80 | 563 | 14310M34 | 42,20 |
| 36 | 49,5 | 30 | 36 | 80 | 630 | 14310M36 | 52,40 |

» 14310M

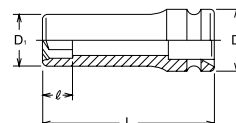


KOKEN IIIIII

○ VASOS PATHFINDER (guía) LARGOS

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 10 | 17   | 25 | 8  | 80 | 138 | 14365M10 | 19,98 |
| 11 | 18,2 | 25 | 8  | 80 | 144 | 14365M11 | 19,98 |
| 12 | 19,5 | 25 | 9  | 80 | 165 | 14365M12 | 19,98 |
| 13 | 20,7 | 25 | 9  | 80 | 170 | 14365M13 | 19,98 |
| 14 | 22   | 25 | 11 | 80 | 178 | 14365M14 | 19,98 |
| 15 | 23,2 | 30 | 11 | 80 | 237 | 14365M15 | 20,88 |
| 16 | 24,5 | 30 | 11 | 80 | 245 | 14365M16 | 20,88 |
| 17 | 25,7 | 30 | 12 | 80 | 263 | 14365M17 | 22,29 |
| 18 | 27   | 30 | 13 | 80 | 268 | 14365M18 | 22,11 |
| 19 | 28,2 | 30 | 13 | 80 | 270 | 14365M19 | 22,11 |
| 20 | 29,5 | 30 | 14 | 80 | 274 | 14365M20 | 23,02 |
| 21 | 30,7 | 30 | 14 | 80 | 287 | 14365M21 | 23,02 |
| 22 | 32   | 30 | 15 | 80 | 314 | 14365M22 | 23,02 |
| 23 | 33,2 | 30 | 15 | 80 | 320 | 14365M23 | 24,92 |
| 24 | 34,5 | 30 | 15 | 80 | 335 | 14365M24 | 24,92 |
| 26 | 37   | 30 | 15 | 80 | 388 | 14365M26 | 25,71 |
| 27 | 38,2 | 30 | 16 | 80 | 407 | 14365M27 | 27,70 |

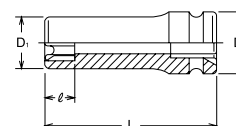
» 14365M



○ VASOS TORX® LARGOS

| TORX® | D1   | D2 | ℓ    | L  | ⚖   | Ref Métrica | €     |
|-------|------|----|------|----|-----|-------------|-------|
| E10   | 14,2 | 25 | 8,2  | 80 | 136 | 14325E10    | 18,01 |
| E12   | 15,2 | 25 | 9,3  | 80 | 141 | 14325E12    | 18,01 |
| E14   | 18,2 | 25 | 10,6 | 80 | 147 | 14325E14    | 18,01 |
| E16   | 19,2 | 25 | 11,8 | 80 | 151 | 14325E16    | 18,01 |
| E18   | 22,2 | 25 | 13   | 80 | 218 | 14325E18    | 18,01 |
| E20   | 24,2 | 30 | 14,4 | 80 | 225 | 14325E20    | 19,47 |

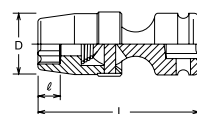
» 14325



○ VASOS CON ARTICULACIÓN UNIVERSAL

| mm | pulgadas | D    | ℓ  | L    | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|------|----|------|-----|-------------|-------|--------------|-------|
| 13 | 1/2      | 20,7 | 6  | 67,5 | 210 | 14440M13    | 50,59 | 14440A1/2    | 52,93 |
| 14 | 9/16     | 22   | 7  | 69,5 | 210 | 14440M14    | 50,59 | 14440A9/16   | 52,93 |
| 15 |          | 23,2 | 7  | 69,5 | 210 | 14440M15    | 50,59 |              |       |
| 16 | 5/8      | 24,5 | 8  | 69,5 | 206 | 14440M16    | 50,59 | 14440A5/8    | 52,93 |
| 17 | 11/16    | 25,7 | 8  | 69,5 | 220 | 14440M17    | 50,59 | 14440A11/16  | 52,93 |
| 18 |          | 27   | 9  | 69,5 | 218 | 14440M18    | 50,59 |              |       |
| 19 | 3/4      | 28,2 | 10 | 73,5 | 260 | 14440M19    | 50,59 | 14440A3/4    | 52,93 |
| 20 |          | 29,5 | 10 | 73,5 | 270 | 14440M20    | 50,59 |              |       |
| 21 |          | 30,7 | 11 | 73,5 | 280 | 14440M21    | 50,59 |              |       |
| 22 |          | 32   | 13 | 73,5 | 290 | 14440M22    | 51,87 |              |       |
| 24 |          | 34,5 | 14 | 75,5 | 300 | 14440M24    | 51,87 |              |       |

» 14440M » 14440A

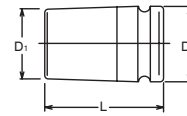




○ EXTRACTOR DE ESPÁRRAGOS

» 14100M » 14100A

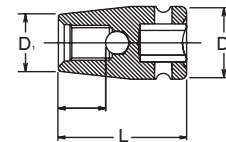
| mm | pulgadas | D1 | D2 | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|----|----|----|-----|-------------|-------|--------------|-------|
| 6  | 1/4      | 24 | 25 | 48 | 126 | 14100M6     | 31,63 | 14100A1/4    | 33,16 |
| 7  |          | 24 | 25 | 48 | 126 | 14100M7     | 31,63 |              |       |
| 8  | 5/16     | 24 | 25 | 48 | 122 | 14100M8     | 33,27 | 14100A5/16   | 33,16 |
| 9  | 3/8      | 28 | 30 | 48 | 181 | 14100M9     | 33,27 | 14100A3/8    | 34,87 |
| 10 | 7/16     | 28 | 30 | 48 | 181 | 14100M10    | 33,27 | 14100A7/16   | 34,87 |
| 12 | 1/2      | 28 | 30 | 48 | 175 | 14100M12    | 33,27 | 14100A1/2    | 34,87 |



» 14103M

○ EXTRACTOR DE ESPÁRRAGOS

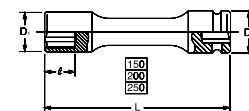
| mm        | D1   | D2 | ℓ    | L  | ⚖   | Ref           | €     |
|-----------|------|----|------|----|-----|---------------|-------|
| 6 (1,0)   | 12   | 25 | 10   | 42 | 75  | 14103M6       | 14,14 |
| 7 (1,0)   | 13,2 | 25 | 11,4 | 42 | 78  | 14103M7       | 14,14 |
| 8 (1,25)  | 14,5 | 25 | 11,5 | 42 | 81  | 14103M8       | 14,14 |
| 10 (1,25) | 17   | 25 | 13,5 | 49 | 106 | 14103M10x1,25 | 17,12 |
| 10 (1,5)  | 17   | 25 | 13,5 | 49 | 106 | 14103M10x1,5  | 17,12 |
| 12 (1,25) | 19,5 | 25 | 15,5 | 49 | 107 | 14103M12x1,25 | 17,12 |
| 12 (1,75) | 19,5 | 25 | 15,5 | 49 | 107 | 14103M12x1,75 | 17,12 |
| 14 (1,5)  | 22   | 25 | 18,2 | 55 | 128 | 14103M14x1,5  | 17,12 |
| 14 (2,0)  | 22   | 25 | 18,2 | 55 | 128 | 14103M14x2    | 18,57 |



» 14145M-150/-200/-250

○ VASOS EXTRA LARGOS

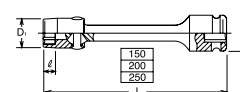
| mm | D1   | D2 | ℓ  | ⚖   |     |     | Ref           | L150  | €      | L200  | €      | L250  | € |
|----|------|----|----|-----|-----|-----|---------------|-------|--------|-------|--------|-------|---|
|    |      |    |    | 150 | 200 | 250 |               |       |        |       |        |       |   |
| 10 | 17   | 25 | 10 | 190 | 234 | 278 | 14145M 150-10 | 30,32 | 200-10 | 33,59 | 250-10 | 35,14 |   |
| 12 | 19,5 | 25 | 12 | 204 | 248 | 292 | 14145M 150-12 | 30,32 | 200-12 | 33,59 | 250-12 | 35,14 |   |
| 13 | 20,7 | 25 | 13 | 216 | 260 | 304 | 14145M 150-13 | 30,32 | 200-13 | 33,59 | 250-13 | 35,14 |   |
| 14 | 22   | 25 | 14 | 228 | 272 | 316 | 14145M 150-14 | 30,32 | 200-14 | 33,59 | 250-14 | 35,14 |   |
| 15 | 23,2 | 25 | 15 | 240 | 284 | 328 | 14145M 150-15 | 31,73 | 200-15 | 34,98 | 250-15 | 36,34 |   |
| 16 | 24,5 | 25 | 16 | 245 | 290 | 335 | 14145M 150-16 | 34,99 | 200-16 | 34,98 | 250-16 | 36,34 |   |
| 17 | 25,7 | 25 | 17 | 253 | 297 | 341 | 14145M 150-17 | 31,73 | 200-17 | 34,98 | 250-17 | 36,34 |   |
| 18 | 27   | 25 | 18 | 260 | 305 | 350 | 14145M 150-18 | 31,73 | 200-18 | 34,98 | 250-18 | 36,34 |   |
| 19 | 28,2 | 25 | 19 | 267 | 311 | 355 | 14145M 150-19 | 31,73 | 200-19 | 34,98 | 250-19 | 36,34 |   |



» 14146M-150/-200/-250

○ VASOS CON ARTICULACIÓN UNIVERSAL EXTRA LARGOS

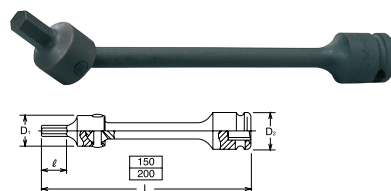
| mm | D1   | D2 | ℓ  | ⚖   |     |     | Ref           | L150  | €      | L200  | €     | L250  | € |
|----|------|----|----|-----|-----|-----|---------------|-------|--------|-------|-------|-------|---|
|    |      |    |    | 150 | 200 | 250 |               |       |        |       |       |       |   |
| 10 | 16   | 25 | 10 | 190 | 234 | 278 | 14146M 150-10 | 60,82 | 200-10 | 63,76 | 25010 | 65,46 |   |
| 12 | 19,5 | 25 | 12 | 204 | 248 | 292 | 14146M 150-12 | 60,82 | 200-12 | 63,76 | 25012 | 65,46 |   |
| 13 | 20   | 25 | 13 | 216 | 260 | 304 | 14146M 150-13 | 60,82 | 200-13 | 63,76 | 25013 | 65,46 |   |
| 14 | 21   | 25 | 14 | 228 | 272 | 316 | 14146M 150-14 | 60,82 | 200-14 | 63,76 | 25014 | 65,46 |   |
| 15 | 22   | 25 | 15 | 240 | 284 | 328 | 14146M 150-15 | 60,82 | 200-15 | 63,76 | 25015 | 65,46 |   |
| 16 | 23   | 25 | 16 | 245 | 290 | 335 | 14146M 150-16 | 60,82 | 200-16 | 63,76 | 25016 | 65,46 |   |
| 17 | 25   | 25 | 17 | 253 | 297 | 341 | 14146M 150-17 | 60,82 | 200-17 | 63,76 | 25017 | 65,46 |   |
| 18 | 26   | 25 | 18 | 260 | 305 | 350 | 14146M 150-18 | 60,82 | 200-18 | 63,76 | 25018 | 65,46 |   |
| 19 | 28   | 25 | 19 | 267 | 311 | 355 | 14146M 150-19 | 60,82 | 200-19 | 63,76 | 25019 | 65,46 |   |



● VASOS INHEX CON ARTICULACIÓN UNIVERSAL EXTRA-LARGOS

| mm | D1 | D2 | ℓ  | ⚖   |     | Ref L150     | €     | Ref L200     | €     |
|----|----|----|----|-----|-----|--------------|-------|--------------|-------|
|    |    |    |    | 150 | 200 |              |       |              |       |
| 6  | 25 | 25 | 15 | 200 | 244 | 14147M-1506  | 62,53 | 14147M-2006  | 65,46 |
| 8  | 25 | 25 | 15 | 205 | 249 | 14147M-1508  | 62,53 | 14147M-2008  | 65,46 |
| 10 | 25 | 25 | 15 | 210 | 254 | 14147M-15010 | 62,53 | 14147M-20010 | 65,46 |
| 12 | 25 | 25 | 15 | 217 | 261 | 14147M-15012 | 62,53 | 14147M-20012 | 65,46 |

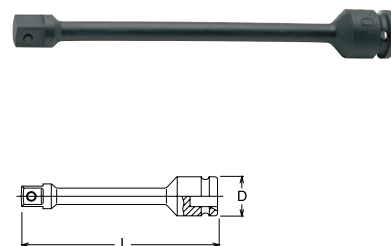
» 14147M-150/-200



■ VASOS PARA RUEDA

| mm    | D  | L   | ⚖   | Ref       | €     |
|-------|----|-----|-----|-----------|-------|
| 90Nm  | 25 | 208 | 206 | 14112P90  | 24,72 |
| 95Nm  | 25 | 202 | 200 | 14112P95  | 24,72 |
| 100Nm | 25 | 196 | 198 | 14112P100 | 24,72 |
| 110Nm | 25 | 213 | 220 | 14112P110 | 24,72 |
| 120Nm | 25 | 201 | 219 | 14112P120 | 25,27 |
| 130Nm | 25 | 205 | 225 | 14112P130 | 25,27 |
| 140Nm | 25 | 205 | 230 | 14112P140 | 25,27 |
| 150Nm | 25 | 195 | 250 | 14112P150 | 25,27 |
| 170Nm | 25 | 195 | 257 | 14112P170 | 25,27 |

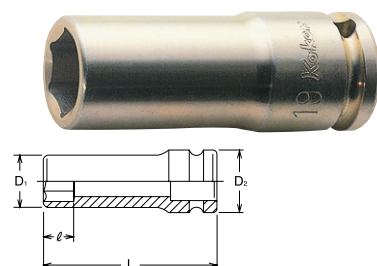
» 14112-P



○ VASOS DE IMPACTO DE ALEACIÓN DE ALUMINIO, PARA TUERCAS DE RUEDA DE ALUMINIO

| mm | D1   | D2 | ℓ  | L  | ⚖  | Ref        | €     |
|----|------|----|----|----|----|------------|-------|
| 17 | 25,7 | 30 | 17 | 80 | 85 | AN14300M17 | 24,14 |
| 19 | 28,2 | 30 | 19 | 80 | 89 | AN14300M19 | 24,14 |
| 21 | 30,7 | 30 | 21 | 80 | 93 | AN14300M21 | 24,14 |

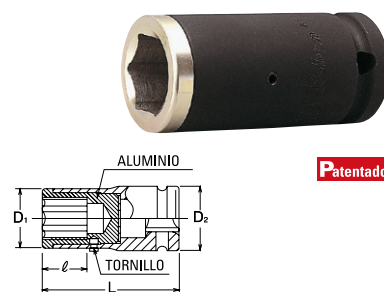
» AN14300



○ VASOS DE IMPACTO CON PARTES INTERNAS DE ALUMINIO RECAMBIALES

| mm | D1 | D2 | ℓ  | L  | ⚖   | Ref        | €     |
|----|----|----|----|----|-----|------------|-------|
| 17 | 28 | 30 | 21 | 65 | 220 | AR14300M17 | 27,47 |
| 19 | 30 | 30 | 24 | 65 | 223 | AR14300M19 | 28,63 |
| 21 | 33 | 30 | 25 | 65 | 237 | AR14300M21 | 31,68 |

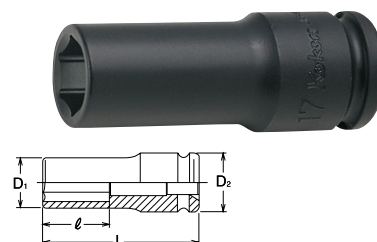
» AR14300



○ VASOS DE IMPACTO CON TOPES DE PLÁSTICO PARA TORNILLOS DE TAPACUBOS

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 17 | 25,7 | 30 | 24 | 80 | 230 | 14113M17 | 18,72 |
| 19 | 28,2 | 30 | 28 | 80 | 262 | 14113M19 | 18,72 |
| 21 | 30,7 | 30 | 42 | 80 | 285 | 14113M21 | 17,19 |

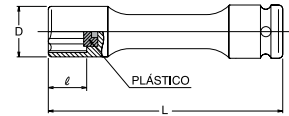
» 14113M



○ VASOS PARA RUEDA

| mm | D    | ℓ  | L   | ⚖️  | Ref          | €     |
|----|------|----|-----|-----|--------------|-------|
| 17 | 23,7 | 21 | 110 | 208 | 14145PM11017 | 31,34 |
| 19 | 25,7 | 23 | 110 | 219 | 14145PM11019 | 31,34 |
| 21 | 27,5 | 25 | 110 | 226 | 14145PM11021 | 32,98 |
| 22 | 29   | 26 | 110 | 238 | 14145PM11022 | 32,98 |

» 14145PM-110



🏠 ○ JUEGO DE VASOS

| Ref    | 🏠             | ⚖️  | 🏠 | 🏠          | €     |
|--------|---------------|-----|---|------------|-------|
| 14201M | 125 x 95 x 34 | 690 | 3 | 17, 19, 21 | 90,80 |

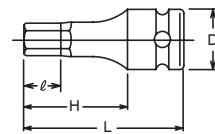
» 14201M



○ VASOS CON PUNTA HEXAGONAL

| mm | D  | ℓ    | L  | ⚖️  | Ref         | €     |
|----|----|------|----|-----|-------------|-------|
| 4  | 25 | 15,5 | 60 | 68  | 14012M60-4  | 11,12 |
| 5  | 25 | 15,5 | 60 | 71  | 14012M60-5  | 11,12 |
| 6  | 25 | 15,5 | 60 | 74  | 14012M60-6  | 11,12 |
| 7  | 25 | 15,5 | 60 | 80  | 14012M60-7  | 11,12 |
| 8  | 25 | 15,5 | 60 | 84  | 14012M60-8  | 11,12 |
| 10 | 30 | 15,5 | 60 | 140 | 14012M60-10 | 11,12 |
| 12 | 30 | 15,5 | 60 | 150 | 14012M60-12 | 11,12 |
| 14 | 30 | 15,5 | 60 | 170 | 14012M60-14 | 11,66 |
| 16 | 30 | 15,5 | 60 | 180 | 14012M60-16 | 11,66 |
| 17 | 30 | 15,5 | 60 | 190 | 14012M60-17 | 11,66 |
| 19 | 30 | 15,5 | 60 | 210 | 14012M60-19 | 12,03 |

» 14012M



🏠 ○ JUEGO DE VASOS EN REGLETA

| Ref             | Tipo     | 🏠   | ⚖️    | 🏠  | 🏠                                 | €      |
|-----------------|----------|-----|-------|----|-----------------------------------|--------|
| RS14012M/10-L60 | ● 14012M | 300 | 1,300 | 10 | 4, 5, 6, 7, 8, 10, 12, 14, 17, 19 | 113,04 |

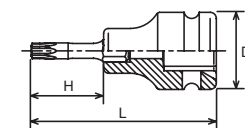
» RS14012M/10-L60



🏠 ○ VASOS CON PUNTA TORX®

| TORX® | D  | ⚖️  |     | Ref L60     | €     | Ref L100     | €     |
|-------|----|-----|-----|-------------|-------|--------------|-------|
|       |    | 60  | 100 |             |       |              |       |
| T20   | 25 | 75  |     | 14025-60T20 | 20,98 |              |       |
| T25   | 25 | 75  |     | 14025-60T25 | 20,98 |              |       |
| T27   | 25 | 75  |     | 14025-60T27 | 20,98 |              |       |
| T30   | 25 | 80  | 85  | 14025-60T30 | 20,98 | 14025-100T30 | 24,42 |
| T40   | 25 | 85  | 95  | 14025-60T40 | 20,98 | 14025-100T40 | 24,42 |
| T45   | 25 | 85  | 102 | 14025-60T45 | 20,98 | 14025-100T45 | 24,42 |
| T50   | 25 | 95  | 120 | 14025-60T50 | 21,84 | 14025-100T50 | 25,73 |
| T55   | 25 | 110 | 155 | 14025-60T55 | 23,79 | 14025-100T55 | 28,04 |
| T60   | 30 | 160 | 220 | 14025-60T60 | 26,75 | 14025-100T60 | 30,11 |

» 14025-60/-100



🏠 ○ JUEGO DE VASOS EN REGLETA

| Ref           | Tipo    | 🏠   | ⚖️  | 🏠 | 🏠                            | €      |
|---------------|---------|-----|-----|---|------------------------------|--------|
| RS14025/6-L60 | ● 14025 | 200 | 650 | 6 | T30, T40, T45, T50, T55, T60 | 134,72 |

» RS14025/6-L60



○ PORTA PUNTA

| Ref   | L  | ⚖  | €     |
|-------|----|----|-------|
| 14134 | 38 | 90 | 16,56 |

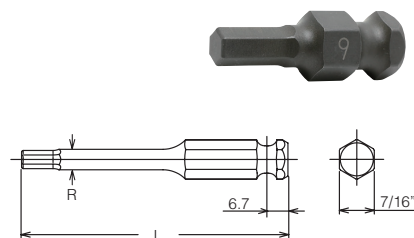
» 14134



● PUNTA PARA TORNILLOS INHEX

| pulgadas | L  | ⚖  | Ref      | €    |
|----------|----|----|----------|------|
| 3/16     | 35 | 15 | 183H3/16 | 5,95 |
| 7/32     | 35 | 16 | 183H7/32 | 5,95 |
| 1/4      | 35 | 18 | 183H1/4  | 5,95 |
| 5/16     | 35 | 20 | 183H5/16 | 6,33 |
| 3/8      | 35 | 26 | 183H3/8  | 6,33 |
| 7/16     | 35 | 28 | 183H7/16 | 6,51 |
| 1/2      | 35 | 38 | 183H1/2  | 9,00 |

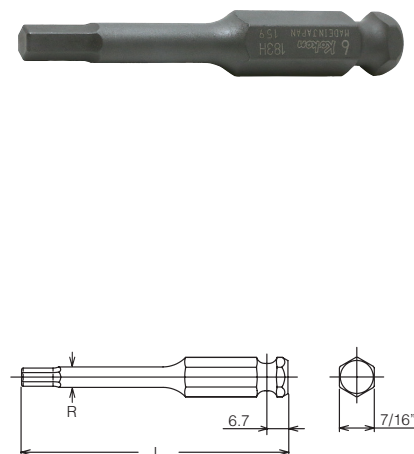
» 183H-35



● PUNTA PARA TORNILLOS INHEX

| mm | ⚖  |    |     | Ref L35   | €    | Ref L75   | €     | Ref L150   | €     |
|----|----|----|-----|-----------|------|-----------|-------|------------|-------|
|    | 35 | 75 | 150 |           |      |           |       |            |       |
| 3  | 15 | 34 |     | 183H-353  | 5,96 | 183H-753  | 8,81  |            |       |
| 4  | 15 | 35 | 51  | 183H-354  | 5,96 | 183H-754  | 8,81  | 183H-1504  | 9,42  |
| 5  | 15 | 36 | 55  | 183H-355  | 5,96 | 183H-755  | 8,81  | 183H-1505  | 9,42  |
| 6  | 18 | 39 | 65  | 183H-356  | 5,96 | 183H-756  | 8,81  | 183H-1506  | 9,42  |
| 7  | 19 | 44 |     | 183H-357  | 6,39 | 183H-757  | 8,81  |            |       |
| 8  | 20 | 47 | 87  | 183H-358  | 6,39 | 183H-758  | 8,81  | 183H-1508  | 9,42  |
| 10 | 26 | 57 | 118 | 183H-3510 | 6,39 | 183H-7510 | 8,81  | 183H-15010 | 9,42  |
| 11 | 28 | 60 |     | 183H-3511 | 6,39 | 183H-7511 | 12,78 |            |       |
| 12 | 30 | 65 | 136 | 183H-3512 | 6,39 | 183H-7512 | 13,15 | 183H-15012 | 13,62 |
| 14 | 35 | 79 |     | 183H-3514 | 6,39 | 183H-7514 | 14,12 |            |       |
| 16 | 47 |    |     | 183H-3516 | 8,16 |           |       |            |       |
| 17 | 50 |    |     | 183H-3517 | 8,16 |           |       |            |       |
| 18 | 53 |    |     | 183H-3518 | 8,71 |           |       |            |       |
| 19 | 56 |    |     | 183H-3519 | 8,71 |           |       |            |       |

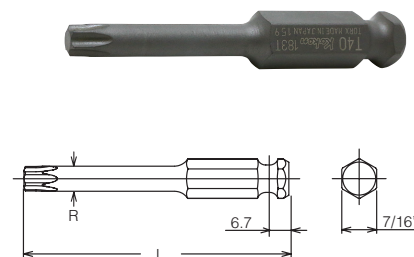
» 183H-35/-75/-150



● PUNTAS TORX

| TORX® | ⚖  |    |     | Ref L35   | €     | Ref L75   | €     | Ref L150   | €     |
|-------|----|----|-----|-----------|-------|-----------|-------|------------|-------|
|       | 35 | 75 | 150 |           |       |           |       |            |       |
| T25   | 18 |    |     | 183T35-25 | 7,81  |           |       |            |       |
| T30   | 18 | 35 | 50  | 183T35-30 | 7,81  | 183T75-30 | 10,33 | 183T150-30 | 14,05 |
| T40   | 20 | 37 | 58  | 183T35-40 | 7,81  | 183T75-40 | 10,33 | 183T150-40 | 14,05 |
| T45   | 22 | 41 | 70  | 183T35-45 | 7,81  | 183T75-45 | 10,33 | 183T150-45 | 14,05 |
| T50   | 26 | 45 | 82  | 183T35-50 | 8,00  | 183T75-50 | 10,33 | 183T150-50 | 14,05 |
| T55   | 30 | 55 | 113 | 183T35-55 | 8,00  | 183T75-55 | 10,33 | 183T150-55 | 14,05 |
| T60   | 38 | 67 |     | 183T35-60 | 10,03 | 183T75-60 | 11,21 |            |       |

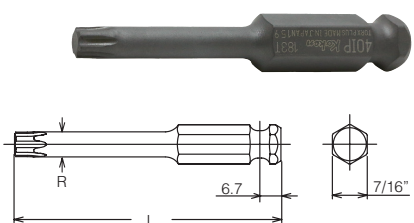
» 183T-35/-75/-150 (T)



● PUNTAS TORX PLUS

| TORX® | ⚖  |    | Ref L35     | €     | Ref L75     | €     |
|-------|----|----|-------------|-------|-------------|-------|
|       | 35 | 75 |             |       |             |       |
| 30IP  | 18 | 35 | 183T35-30IP | 6,90  | 183T75-30IP | 8,47  |
| 40IP  | 20 | 37 | 183T35-40IP | 6,90  | 183T75-40IP | 8,47  |
| 45IP  | 22 | 41 | 183T35-45IP | 6,90  | 183T75-45IP | 8,47  |
| 50IP  | 26 | 45 | 183T35-50IP | 7,16  | 183T75-50IP | 8,47  |
| 55IP  | 30 | 56 | 183T35-55IP | 7,16  | 183T75-55IP | 8,47  |
| 60IP  | 38 | 67 | 183T35-60IP | 12,06 | 183T75-60IP | 13,77 |

» 183T-35/-75 (IP)

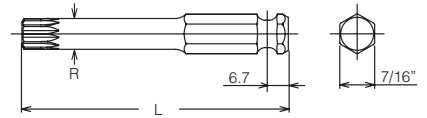


KOKEN IIIIII

**PUNTAS XZN**

| mm  | ⚖  |    |     | Ref L35   | €     | Ref L75   | €     | Ref L150   | €     |
|-----|----|----|-----|-----------|-------|-----------|-------|------------|-------|
|     | 35 | 75 | 150 |           |       |           |       |            |       |
| M4  | 18 | 34 |     | 183X35M4  | 8,04  | 183X75M4  | 10,93 |            |       |
| M5  | 18 | 34 | 50  | 183X35M5  | 8,04  | 183X75M5  | 10,93 | 183X150M5  | 11,77 |
| M6  | 20 | 36 | 53  | 183X35M6  | 8,04  | 183X75M6  | 10,93 | 183X150M6  | 11,77 |
| M8  | 22 | 39 | 64  | 183X35M8  | 8,04  | 183X75M8  | 10,93 | 183X150M8  | 14,67 |
| M10 | 26 | 54 | 93  | 183X35M10 | 9,66  | 183X75M10 | 11,28 | 183X150M10 | 14,67 |
| M12 | 30 | 57 | 121 | 183X35M12 | 14,36 | 183X75M12 | 16,46 | 183X150M12 | 17,86 |
| M14 | 38 | 67 |     | 183X35M14 | 15,37 | 183X75M14 | 17,33 |            |       |

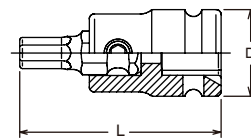
» 183X-35/-75/-150 (XZN)



**VASOS CON PUNTA HEXAGONAL**

| mm | D  | ⚖   |     | Ref L58     | €     | Ref L98     | €     |
|----|----|-----|-----|-------------|-------|-------------|-------|
|    |    | 58  | 98  |             |       |             |       |
| 3  | 25 | 105 | 124 | 14134M58-3  | 25,05 | 14134M98-3  | 26,30 |
| 4  | 25 | 105 | 125 | 14134M58-4  | 25,05 | 14134M98-4  | 26,30 |
| 5  | 25 | 105 | 126 | 14134M58-5  | 25,05 | 14134M98-5  | 26,30 |
| 6  | 25 | 108 | 129 | 14134M58-6  | 25,05 | 14134M98-6  | 26,30 |
| 8  | 25 | 110 | 137 | 14134M58-8  | 25,36 | 14134M98-8  | 27,06 |
| 10 | 25 | 116 | 147 | 14134M58-10 | 25,36 | 14134M98-10 | 27,06 |
| 12 | 25 | 120 | 155 | 14134M58-12 | 25,36 | 14134M98-12 | 27,06 |
| 14 | 25 | 125 | 169 | 14134M58-14 | 25,36 | 14134M98-14 | 27,06 |

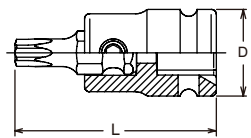
» 14134M-58/-98



**VASOS CON PUNTA TORX®**

| TORX® | D  | ⚖   |     | Ref L58      | €     | Ref L98      | €     |
|-------|----|-----|-----|--------------|-------|--------------|-------|
|       |    | 58  | 98  |              |       |              |       |
| T30   | 25 | 88  | 105 | 14134T-58T30 | 25,46 | 14134T-98T30 | 26,57 |
| T40   | 25 | 90  | 107 | 14134T-58T40 | 25,46 | 14134T-98T40 | 26,57 |
| T45   | 25 | 92  | 111 | 14134T-58T45 | 25,46 | 14134T-98T45 | 26,57 |
| T50   | 25 | 96  | 115 | 14134T-58T50 | 25,46 | 14134T-98T50 | 26,57 |
| T55   | 25 | 100 | 125 | 14134T-58T55 | 25,62 | 14134T-98T55 | 26,75 |
| T60   | 25 | 108 | 137 | 14134T-58T60 | 27,66 | 14134T-98T60 | 28,40 |

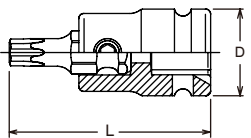
» 14134T-58/-98 (T)



**VASOS CON PUNTA TORX® PLUS**

| TORX® | D  | ⚖   |     | Ref L58       | €     | Ref L98       | €     |
|-------|----|-----|-----|---------------|-------|---------------|-------|
|       |    | 52  | 92  |               |       |               |       |
| 30IP  | 25 | 108 | 125 | 14134T58-30IP | 26,46 | 14134T98-30IP | 27,42 |
| 40IP  | 25 | 110 | 127 | 14134T58-40IP | 26,46 | 14134T98-40IP | 27,42 |
| 45IP  | 25 | 112 | 131 | 14134T58-45IP | 26,46 | 14134T98-45IP | 27,42 |
| 50IP  | 25 | 116 | 135 | 14134T58-50IP | 26,46 | 14134T98-50IP | 27,42 |
| 55IP  | 25 | 120 | 146 | 14134T58-55IP | 26,80 | 14134T98-55IP | 27,93 |
| 60IP  | 25 | 128 | 159 | 14134T58-60IP | 28,75 | 14134T98-60IP | 39,85 |

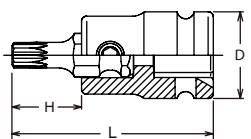
» 14134T-58/-98 (IP)



**VASOS CON PUNTA XZN**

| XZN | D  | ⚖   |     | Ref L58      | €     | Ref L98      | €     |
|-----|----|-----|-----|--------------|-------|--------------|-------|
|     |    | 52  | 92  |              |       |              |       |
| M5  | 25 | 108 | 125 | 14134X-58M5  | 18,65 | 14134X-98M5  | 20,53 |
| M6  | 25 | 110 | 127 | 14134X-58M6  | 18,65 | 14134X-98M6  | 20,53 |
| M8  | 25 | 112 | 131 | 14134X-58M8  | 18,65 | 14134X-98M8  | 20,53 |
| M10 | 25 | 116 | 135 | 14134X-58M10 | 19,10 | 14134X-98M10 | 20,53 |
| M12 | 25 | 120 | 146 | 14134X-58M12 | 21,63 | 14134X-98M12 | 23,03 |
| M14 | 25 | 128 | 159 | 14134X-58M14 | 22,27 | 14134X-98M14 | 24,02 |

» 14134X-58/-98 (XZN)

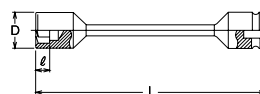


KOKEN IIIIII

○ BARRAS DE TORSIÓN (SOLAMENTE PARA APRIETE)

| Nm       | D    | ℓ  | L   | ⚖   | Ref          | €     |
|----------|------|----|-----|-----|--------------|-------|
| 14x95Nm  | 22   | 11 | 208 | 230 | 14101M14x95  | 24,02 |
| 15x110Nm | 23,2 | 11 | 201 | 230 | 14101M15x110 | 24,02 |
| 17x60Nm  | 25,7 | 12 | 216 | 227 | 14101M17x60  | 25,20 |
| 17x75Nm  | 25,7 | 12 | 228 | 240 | 14101M17x75  | 24,01 |
| 17x95Nm  | 25,7 | 12 | 214 | 256 | 14101M17x95  | 24,01 |
| 17x110Nm | 25,7 | 12 | 204 | 285 | 14101M17x110 | 24,01 |
| 17x120Nm | 25,7 | 12 | 200 | 284 | 14101M17x120 | 24,01 |
| 19x60Nm  | 28,2 | 13 | 219 | 237 | 14101M19x60  | 26,11 |
| 19x90Nm  | 28,2 | 13 | 259 | 275 | 14101M19x90  | 26,11 |
| 19x110Nm | 28,2 | 13 | 214 | 278 | 14101M19x110 | 26,89 |
| 19x120Nm | 28,2 | 13 | 203 | 297 | 14101M19x120 | 27,76 |
| 19x135Nm | 28,2 | 13 | 206 | 339 | 14101M19x135 | 26,11 |
| 19x170Nm | 28,2 | 13 | 190 | 332 | 14101M19x170 | 26,11 |
| 21x100Nm | 30,7 | 14 | 214 | 288 | 14101M21x100 | 26,89 |
| 21x120Nm | 30,7 | 14 | 203 | 288 | 14101M21x120 | 27,76 |
| 22x160Nm | 32   | 15 | 209 | 385 | 14101M22x160 | 29,94 |

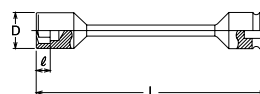
» 14101M



○ BARRAS DE TORSIÓN (SOLAMENTE PARA APRIETE)

| Nm       | D    | ℓ  | L   | Ref          | €     |
|----------|------|----|-----|--------------|-------|
| 17x95Nm  | 25,7 | 12 | 214 | 14101M17x95  | 32,99 |
| 17x110Nm | 25,7 | 12 | 204 | 14101M17x110 | 32,99 |
| 17x120Nm | 25,7 | 12 | 200 | 14101M17x120 | 32,99 |
| 19x90Nm  | 28,2 | 13 | 259 | 14101M19x90  | 33,59 |
| 19x110Nm | 28,2 | 13 | 214 | 14101M19x110 | 33,59 |
| 19x120Nm | 28,2 | 13 | 203 | 14101M19x120 | 33,59 |
| 19x135Nm | 28,2 | 13 | 206 | 14101M19x135 | 33,59 |
| 21x100Nm | 30,7 | 14 | 214 | 14101M21x100 | 35,91 |
| 21x120Nm | 30,7 | 14 | 203 | 14101M21x120 | 35,91 |
| 22x150Nm | 30,7 | 14 | 220 | 14101M22x160 | 40,90 |

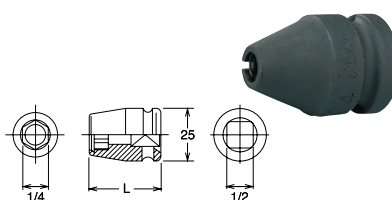
» 14101MP



○ PORTA PUNTA

| Ref   | L  | ⚖  | €     |
|-------|----|----|-------|
| 14139 | 38 | 62 | 14,73 |

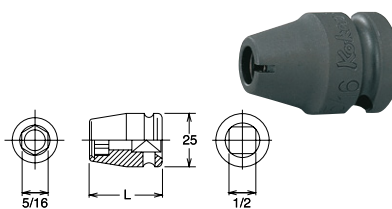
» 14139



○ PORTA PUNTA

| Ref   | L  | ⚖  | €     |
|-------|----|----|-------|
| 14140 | 38 | 70 | 14,73 |

» 14140



**ALARGADERAS**

» **14760-75P/-125P/-175P/-250P**

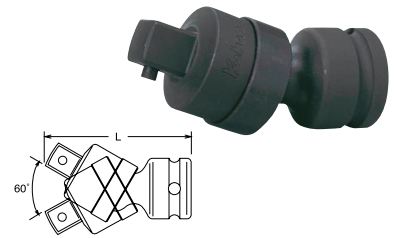
| Ref        | L   | ⚖️  | €     |
|------------|-----|-----|-------|
| 14760-50P  | 50  | 150 | 13,57 |
| 14760-75P  | 75  | 188 | 13,57 |
| 14760-100P | 100 | 240 | 14,51 |
| 14760-125P | 125 | 275 | 14,51 |
| 14760-150P | 150 | 300 | 25,52 |
| 14760-175P | 175 | 358 | 16,05 |
| 14760-200P | 200 | 405 | 16,91 |
| 14760-250P | 250 | 480 | 17,14 |



**ARTICULACIÓN UNIVERSAL**

» **14770P**

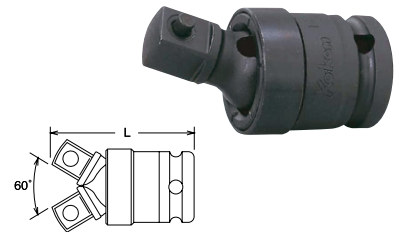
| Ref    | L  | ⚖️  | €     |
|--------|----|-----|-------|
| 14770P | 74 | 210 | 39,87 |



**ARTICULACIÓN UNIVERSAL**

» **14771P**

| Ref    | L  | ⚖️  | €     |
|--------|----|-----|-------|
| 14771P | 65 | 198 | 31,35 |



ADAPTADOR

» 14433A-P

| Ref     | L  | ⚖️ | €     |
|---------|----|----|-------|
| 14433AP | 36 | 68 | 12,25 |

□1/2" x ▽3/8"



ADAPTADOR

» 14455A

| Ref    | L  | ⚖️  | €     |
|--------|----|-----|-------|
| 14455A | 42 | 135 | 13,57 |

□1/2" x ▽5/8"



ADAPTADOR

» 14466A

| Ref    | L  | ⚖️  | €     |
|--------|----|-----|-------|
| 14466A | 44 | 146 | 18,58 |

□1/2" x ▽3/4"



ADAPTADOR

» 14444AL

| Ref     | L  | ⚖️  | €     |
|---------|----|-----|-------|
| 14444AL | 55 | 128 | 61,90 |

□1/2" x ▽1/2"





**JUEGO DE VASOS**

**»14241M-00/-05**

| Ref         |                |    |       | €             |
|-------------|----------------|----|-------|---------------|
| ○ 14241M-00 | 196 x 100 x 45 | 13 | 2.000 | <b>118,81</b> |
| ○ 14241M-05 | 196 x 100 x 45 | 13 | 2.000 | <b>118,81</b> |

**Vasos 14241M-00**

14400M ○ 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

**Vasos 14241M-05**

14400M ○ 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27



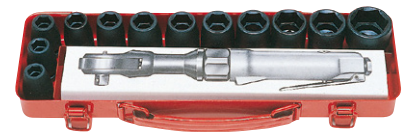
**JUEGO DE VASOS**

**»14242M**

| Ref      |               |    |       | €             |
|----------|---------------|----|-------|---------------|
| ○ 14242M | 310 x 90 x 48 | 12 | 1.890 | <b>108,11</b> |

**Vasos**

14400M ○ 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27



**JUEGO DE VASOS**

**»14207M**

| Ref           |               |    |       | €             |
|---------------|---------------|----|-------|---------------|
| <b>14207M</b> | 310 x 90 x 48 | 10 | 2.700 | <b>174,88</b> |

**Vasos**

14300M6 ○ 10, 12, 13, 14, 17, 19, 21, 22, 24, 27



**JUEGO DE VASOS**

**»14208M**

| Ref           |               |    |       | €             |
|---------------|---------------|----|-------|---------------|
| <b>14208M</b> | 310 x 90 x 48 | 13 | 3.500 | <b>221,91</b> |

**Vasos**

14300M6 ○ 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27



**JUEGO DE VASOS**

**»14245M-00/-05**

| Ref         |               |    |       | €             |
|-------------|---------------|----|-------|---------------|
| ○ 14241M-00 | 310 x 90 x 48 | 18 | 2.250 | <b>174,32</b> |
| ○ 14241M-05 | 310 x 90 x 48 | 18 | 2.250 | <b>182,37</b> |

**Vasos 14245M-00**

14405M ○ 10, 12, 13, 14, 16, 18, 19, 21, 22, 24, 27

**Vasos 14245M-05**

14405M ○ 10, 12, 13, 14, 16, 18, 19, 21, 22, 24, 27

**Accesorios**

14760-125

14770

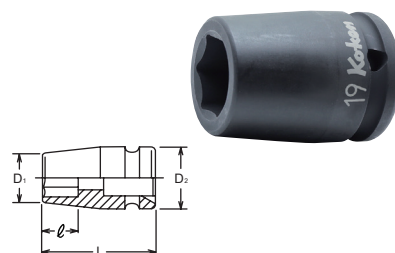
1401A, 1402A, 1401B, 1402B



○ VASOS HEXAGONALES

| mm | D1   | D2 | ℓ  | L    | ⚖   | Ref      | €     |
|----|------|----|----|------|-----|----------|-------|
| 14 | 24   | 35 | 10 | 47,5 | 220 | 15400M14 | 17,01 |
| 17 | 27,8 | 35 | 12 | 47,5 | 225 | 15400M17 | 17,01 |
| 19 | 30,3 | 35 | 13 | 47,5 | 225 | 15400M19 | 17,01 |
| 21 | 32,8 | 35 | 15 | 47,5 | 225 | 15400M21 | 17,01 |
| 22 | 34   | 35 | 15 | 47,5 | 225 | 15400M22 | 17,01 |
| 23 | 35,4 | 35 | 16 | 47,5 | 225 | 15400M23 | 17,01 |
| 24 | 36,5 | 35 | 16 | 50,5 | 245 | 15400M24 | 17,01 |
| 26 | 39   | 35 | 16 | 50,5 | 260 | 15400M26 | 17,01 |

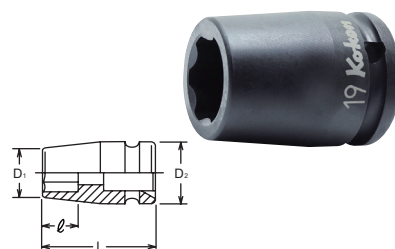
» 15400M



○ VASOS SURFACE DRIVE (DE CONTACTO CURVO) LARGOS

| mm | D1   | D2 | ℓ  | L    | ⚖   | Ref      | €     |
|----|------|----|----|------|-----|----------|-------|
| 14 | 24   | 35 | 10 | 47,5 | 220 | 15410M14 | 17,84 |
| 17 | 27,8 | 35 | 12 | 47,5 | 225 | 15410M17 | 17,84 |
| 19 | 30,3 | 35 | 13 | 47,5 | 225 | 15410M19 | 17,84 |
| 21 | 32,8 | 35 | 15 | 47,5 | 225 | 15410M21 | 17,84 |
| 22 | 34   | 35 | 15 | 47,5 | 225 | 15410M22 | 17,84 |
| 23 | 35,4 | 35 | 16 | 47,5 | 225 | 15410M23 | 17,84 |
| 24 | 36,5 | 35 | 16 | 50,5 | 245 | 15410M24 | 17,84 |
| 26 | 39   | 35 | 16 | 50,5 | 260 | 15410M26 | 17,84 |

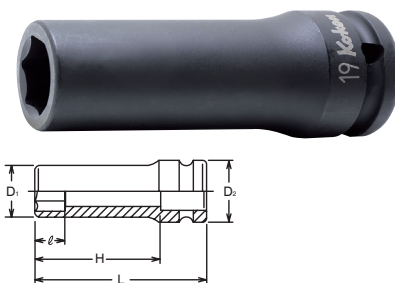
» 15410M



○ VASOS HEXAGONALES LARGOS

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 14 | 24   | 35 | 14 | 90 | 295 | 15300M14 | 28,77 |
| 17 | 27,8 | 35 | 17 | 90 | 325 | 15300M17 | 28,77 |
| 19 | 30,3 | 35 | 19 | 90 | 350 | 15300M19 | 28,77 |
| 21 | 32,8 | 35 | 21 | 90 | 380 | 15300M21 | 28,77 |
| 22 | 34   | 35 | 22 | 90 | 390 | 15300M22 | 28,77 |

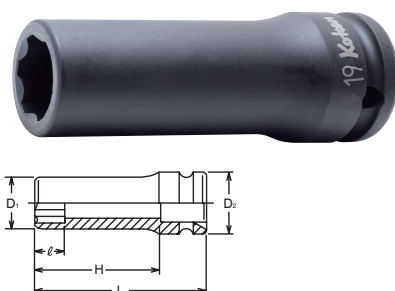
» 15300M



○ VASOS HEXAGONALES LARGOS

| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 14 | 24   | 35 | 14 | 90 | 295 | 15310M14 | 30,20 |
| 17 | 27,8 | 35 | 17 | 90 | 325 | 15310M17 | 30,20 |
| 19 | 30,3 | 35 | 19 | 90 | 350 | 15310M19 | 30,20 |
| 21 | 32,8 | 35 | 21 | 90 | 380 | 15310M21 | 30,20 |
| 22 | 34   | 35 | 22 | 90 | 390 | 15310M22 | 30,20 |

» 15310M



**ADAPTADOR EXTRACCIÓN RÁPIDA**

» **15555AL**

| Ref     | L  |  | €     |
|---------|----|---|-------|
| 15555AL | 70 | 310   | 88,21 |



**ARTICULACIÓN UNIVERSAL**


» **15770**

| Ref   | L  |  | €     |
|-------|----|---|-------|
| 15770 | 88 | 420   | 62,82 |



**ADAPTADOR**

» **15544A-P**

| Ref      | L  |  | €     |
|----------|----|--|-------|
| 15544A-P | 46 | 165  | 24,57 |



□ 5/8" x □ 1/2"

**ADAPTADOR**

» **15566A**

| Ref    | L  |  | €     |
|--------|----|---|-------|
| 15566A | 48 | 200   | 26,57 |

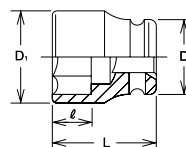


□ 5/8" x □ 3/4"

○ VASOS HEXAGONALES

» 16400M » 16400A

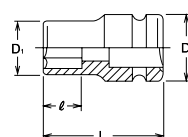
| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖     | Ref Métrica | €     | Ref Pulgadas   | €     |
|----|----------|------|----|----|----|-------|-------------|-------|----------------|-------|
| 16 | 5/8      | 28,8 | 44 | 11 | 50 | 367   | 16400M16    | 16,39 | 16400A5/8      | 16,39 |
| 17 | 11/16    | 30   | 44 | 12 | 50 | 355   | 16400M17    | 16,39 | 16400A11/16    | 16,39 |
| 18 |          | 31,3 | 44 | 13 | 50 | 372   | 16400M18    | 16,39 |                |       |
| 19 | 3/4      | 32,5 | 44 | 13 | 50 | 360   | 16400M19    | 16,76 | 16400A3/4      | 16,76 |
| 20 |          | 33,8 | 44 | 14 | 50 | 375   | 16400M20    | 17,73 |                |       |
| 21 | 13/16    | 35   | 44 | 15 | 50 | 374   | 16400M21    | 16,47 | 16400A13/16    | 17,73 |
| 22 | 7/8      | 36,3 | 44 | 15 | 50 | 373   | 16400M22    | 16,47 | 16400A7/8      | 17,73 |
| 23 |          | 37,5 | 44 | 16 | 50 | 373   | 16400M23    | 16,47 |                |       |
| 24 | 15/16    | 38,8 | 44 | 16 | 50 | 370   | 16400M24    | 16,47 | 16400A15/16    | 16,47 |
| 25 | 1        | 40   | 44 | 16 | 50 | 374   | 16400M25    | 17,40 | 16400A1        | 17,40 |
| 26 |          | 41,3 | 44 | 16 | 50 | 378   | 16400M26    | 17,40 |                |       |
| 27 | 1-1/16   | 42,5 | 44 | 16 | 50 | 375   | 16400M27    | 17,88 | 16400A1-1/16   | 17,88 |
| 28 |          | 43,8 | 44 | 16 | 50 | 383   | 16400M28    | 16,76 |                |       |
| 29 | 1-1/8    | 45   | 44 | 18 | 53 | 412   | 16400M29    | 16,76 | 16400A1-1/8    | 17,88 |
| 30 | 1-3/16   | 46,3 | 44 | 18 | 53 | 410   | 16400M30    | 16,76 | 16400A1-3/16   | 16,76 |
| 31 |          | 47,5 | 44 | 18 | 53 | 426   | 16400M31    | 19,65 |                |       |
| 32 | 1-1/4    | 48,8 | 44 | 19 | 53 | 428   | 16400M32    | 19,65 | 16400A1-1/4    | 19,65 |
| 33 |          | 50   | 44 | 20 | 55 | 470   | 16400M33    | 22,04 |                |       |
| 34 | 1-5/16   | 51,3 | 44 | 20 | 55 | 490   | 16400M34    | 22,72 | 16400A 1-5/16  | 23,57 |
| 35 | 1-3/8    | 52,5 | 44 | 20 | 55 | 494   | 16400M35    | 24,27 | 16400A 1-3/8   | 24,27 |
| 36 |          | 53,8 | 44 | 20 | 55 | 498   | 16400M36    | 22,42 |                |       |
| 37 | 1-7/16   | 55   | 44 | 20 | 55 | 526   | 16400M37    | 25,40 | 16400A 1-7/16  | 24,27 |
| 38 | 1-1/2    | 56,3 | 44 | 20 | 57 | 558   | 16400M38    | 23,72 | 16400A 1-1/2   | 23,72 |
| 39 |          | 57,5 | 44 | 20 | 57 | 579   | 16400M39    | 30,77 |                |       |
| 40 | 1-9/16   | 58,8 | 44 | 20 | 57 | 598   | 16400M40    | 28,55 | 16400A 1-9/16  | 28,58 |
| 41 | 1-5/8    | 60   | 44 | 22 | 57 | 572   | 16400M41    | 27,40 | 16400A 1-5/8   | 27,40 |
| 42 |          | 61,3 | 44 | 22 | 57 | 617   | 16400M42    | 30,08 |                |       |
| 43 | 1-11/16  | 62,5 | 44 | 23 | 62 | 720   | 16400M43    | 30,08 | 16400A 1-11/16 | 30,08 |
| 44 |          | 63,8 | 44 | 23 | 62 | 761   | 16400M44    | 32,57 |                |       |
| 45 | 1-3/4    | 65   | 44 | 23 | 62 | 757   | 16400M45    | 36,85 | 16400A 1-3/4   | 32,57 |
| 46 | 1-13/16  | 66,3 | 44 | 23 | 62 | 755   | 16400M46    | 35,27 | 16400A 1-13/16 | 35,27 |
| 47 |          | 67,5 | 54 | 23 | 62 | 805   | 16400M47    | 36,85 |                |       |
| 48 | 1-7/8    | 68,8 | 54 | 23 | 62 | 940   | 16400M48    | 42,06 | 16400A 1-7/8   | 36,85 |
| 49 | 1-15/16  | 70   | 54 | 23 | 62 | 912   | 16400M49    | 42,06 | 16400A 1-15/16 | 42,06 |
| 50 |          | 71,3 | 54 | 30 | 62 | 930   | 16400M50    | 40,23 |                |       |
|    | 2        | 72,5 | 54 | 30 | 62 | 969   |             |       | 16400A2        | 51,31 |
| 52 | 2-1/16   | 73,8 | 54 | 29 | 62 | 1.011 | 16400M52    | 44,71 | 16400A 2-1/16  | 51,31 |
| 54 | 2-1/8    | 76,3 | 54 | 29 | 62 | 1.035 | 16400M54    | 51,84 | 16400A 2-1/8   | 51,84 |
| 55 | 2-3/16   | 77,5 | 54 | 29 | 62 | 1.056 | 16400M55    | 51,60 | 16400A 2-3/16  | 54,27 |
| 56 |          | 78,8 | 54 | 29 | 62 | 1.091 | 16400M56    | 55,27 |                |       |
| 57 | 2-1/4    | 80   | 54 | 32 | 65 | 1.126 | 16400M57    | 55,57 | 16400A 2-1/4   | 55,56 |
| 58 | 2-5/16   | 81,3 | 54 | 31 | 65 | 1.163 | 16400M58    | 56,59 | 16400A 2-5/16  | 56,59 |
| 59 |          | 82,5 | 54 | 31 | 65 | 1.185 | 16400M59    | 56,59 |                |       |
| 60 | 2-3/8    | 83,8 | 54 | 31 | 65 | 1.215 | 16400M60    | 63,84 | 16400A 2-3/8   | 74,84 |
| 65 |          | 90   | 54 | 30 | 65 | 1.325 | 16400M65    | 69,44 |                |       |
| 70 |          | 96,3 | 54 | 34 | 70 | 1.570 | 16400M70    | 77,09 |                |       |



○ VASOS HEXAGONALES DE PARED DELGADA

» 16401M » 16401A

| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas   | €     |
|----|----------|------|----|----|----|-----|-------------|-------|----------------|-------|
| 17 | 11/16    | 28   | 43 | 12 | 50 | 300 | 16401M17    | 24,12 | 16401A11/16    | 24,12 |
| 18 |          | 29,3 | 43 | 13 | 50 | 300 | 16401M18    | 24,12 |                |       |
| 19 | 3/4      | 30,5 | 43 | 13 | 50 | 300 | 16401M19    | 24,12 | 16401A3/4      | 24,12 |
| 20 |          | 31,8 | 43 | 14 | 50 | 302 | 16401M20    | 24,12 |                |       |
| 21 | 13/16    | 33   | 43 | 15 | 50 | 305 | 16401M21    | 26,35 | 16401A13/16    | 26,35 |
| 22 | 7/8      | 34,3 | 43 | 15 | 50 | 310 | 16401M22    | 26,35 | 16401A7/8      | 26,35 |
| 23 |          | 35,5 | 43 | 16 | 50 | 315 | 16401M23    | 26,35 |                |       |
| 24 | 15/16    | 36,8 | 43 | 16 | 50 | 325 | 16401M24    | 26,35 | 16401A15/16    | 26,35 |
| 25 | 1        | 38   | 43 | 16 | 50 | 326 | 16401M25    | 26,81 | 16401A1        | 26,81 |
| 26 |          | 39,3 | 43 | 16 | 50 | 330 | 16401M26    | 26,81 |                |       |
| 27 | 1-1/16   | 40,5 | 43 | 16 | 50 | 340 | 16401M27    | 28,56 | 16401A1-1/16   | 28,56 |
| 28 |          | 41,8 | 43 | 16 | 50 | 345 | 16401M28    | 28,56 |                |       |
| 29 | 1-1/8    | 43   | 43 | 18 | 53 | 355 | 16401M29    | 28,56 | 16401A1-1/8    | 28,56 |
| 30 | 1-3/16   | 44,3 | 43 | 18 | 53 | 365 | 16401M30    | 28,56 | 16401A1-3/16   | 28,56 |
| 31 |          | 45,5 | 43 | 18 | 53 | 375 | 16401M31    | 28,56 |                |       |
| 32 | 1-1/4    | 46,8 | 43 | 19 | 53 | 385 | 16401M32    | 31,45 | 16401A1-1/4    | 31,43 |
| 33 |          | 48   | 43 | 20 | 55 | 395 | 16401M33    | 28,62 |                |       |
| 34 | 1-5/16   | 49,3 | 43 | 20 | 55 | 420 | 16401M34    | 28,62 | 16401A 1-5/16  | 31,43 |
| 35 | 1-3/8    | 50,5 | 43 | 20 | 55 | 430 | 16401M35    | 36,13 | 16401A 1-3/8   | 36,13 |
| 36 |          | 51,8 | 43 | 20 | 55 | 440 | 16401M36    | 37,76 |                |       |
| 37 | 1-7/16   | 53   | 43 | 20 | 55 | 460 | 16401M37    | 41,93 | 16401A 1-7/16  | 38,08 |
| 38 | 1-1/2    | 54,3 | 43 | 20 | 57 | 472 | 16401M38    | 41,93 | 16401A 1-1/2   | 40,65 |
| 40 | 1-9/16   | 56,8 | 43 | 20 | 57 | 525 | 16401M40    | 46,98 | 16401A 1-9/16  | 45,71 |
| 41 | 1-5/8    | 58   | 43 | 22 | 57 | 555 | 16401M41    | 46,98 | 16401A 1-5/8   | 46,98 |
| 42 |          | 59,3 | 43 | 22 | 57 | 565 | 16401M42    | 51,33 |                |       |
| 43 |          | 60,5 | 43 | 23 | 62 | 662 | 16401M43    | 51,33 |                |       |
| 44 |          | 61,8 | 43 | 23 | 62 | 670 | 16401M44    | 55,22 |                |       |
| 45 |          | 63   | 43 | 23 | 62 | 700 | 16401M45    | 55,22 |                |       |
| 46 | 1-13/16  | 64,3 | 43 | 23 | 62 | 710 | 16401M46    | 60,64 | 16401A 1-13/16 | 60,62 |
|    | 1-7/8    | 66,8 | 53 | 23 | 62 | 868 |             |       | 16401A 1-7/8   | 6,62  |

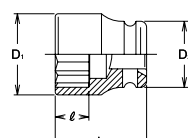


KOKEN IIIIII

○ VASOS HEXAGONALES DE PARED DELGADA

» 16405M

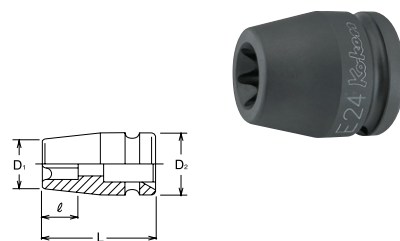
| mm | D1   | D2 | ℓ  | L  | ⚖     | Ref Métrica | €     |
|----|------|----|----|----|-------|-------------|-------|
| 17 | 30   | 44 | 12 | 50 | 355   | 16405M17    | 25,65 |
| 18 | 31,3 | 44 | 13 | 50 | 372   | 16405M18    | 25,65 |
| 19 | 32,5 | 44 | 13 | 50 | 360   | 16405M19    | 25,65 |
| 20 | 33,8 | 44 | 14 | 50 | 375   | 16405M20    | 27,78 |
| 21 | 35   | 44 | 15 | 50 | 374   | 16405M21    | 27,78 |
| 22 | 36,3 | 44 | 15 | 50 | 373   | 16405M22    | 27,78 |
| 23 | 37,5 | 44 | 16 | 50 | 373   | 16405M23    | 27,78 |
| 24 | 38,8 | 44 | 16 | 50 | 370   | 16405M24    | 27,78 |
| 25 | 40   | 44 | 16 | 50 | 374   | 16405M25    | 29,39 |
| 26 | 41,3 | 44 | 16 | 50 | 378   | 16405M26    | 29,39 |
| 27 | 42,5 | 44 | 16 | 50 | 375   | 16405M27    | 30,10 |
| 28 | 43,8 | 44 | 16 | 50 | 383   | 16405M28    | 30,10 |
| 29 | 45   | 44 | 18 | 53 | 412   | 16405M29    | 30,10 |
| 30 | 46,3 | 44 | 18 | 53 | 410   | 16405M30    | 30,10 |
| 32 | 48,8 | 44 | 19 | 53 | 428   | 16405M32    | 39,77 |
| 33 | 50   | 44 | 20 | 55 | 470   | 16405M33    | 39,77 |
| 34 | 51,3 | 44 | 20 | 55 | 490   | 16405M34    | 39,77 |
| 36 | 53,8 | 44 | 20 | 55 | 498   | 16405M36    | 39,77 |
| 38 | 56,3 | 44 | 20 | 57 | 558   | 16405M38    | 41,99 |
| 41 | 60   | 44 | 22 | 57 | 572   | 16405M41    | 52,29 |
| 42 | 61,3 | 44 | 22 | 57 | 617   | 16405M42    | 52,28 |
| 46 | 66,3 | 44 | 23 | 62 | 755   | 16405M46    | 63,96 |
| 50 | 71,3 | 54 | 30 | 62 | 930   | 16405M50    | 74,41 |
| 52 | 73,8 | 54 | 29 | 62 | 1.011 | 16405M52    | 81,37 |
| 55 | 77,5 | 54 | 29 | 62 | 1.056 | 16405M55    | 94,29 |
| 60 | 83,8 | 54 | 31 | 65 | 1.215 | 16405M60    | 94,29 |
| 65 | 90   | 54 | 30 | 65 | 1.325 | 16405M65    | 94,29 |



**VASOS TORX®**

» 16425

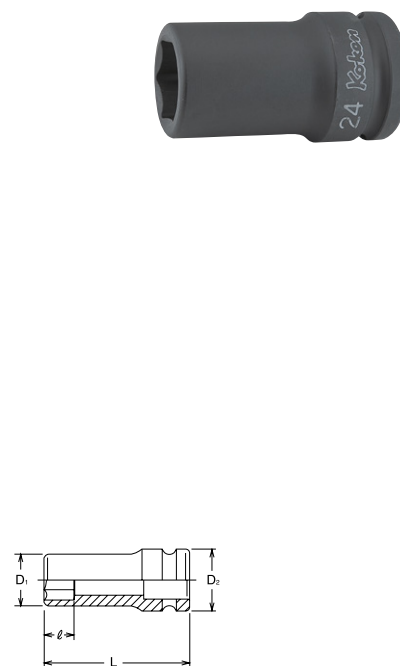
| TORX® | D1   | D2 | ℓ    | L  | ⚖   | Ref      | €     |
|-------|------|----|------|----|-----|----------|-------|
| E18   | 26,3 | 44 | 13   | 50 | 355 | 16425E18 | 33,22 |
| E20   | 28,8 | 44 | 14,4 | 50 | 370 | 16425E20 | 33,22 |
| E22   | 31,3 | 44 | 15,5 | 50 | 390 | 16425E22 | 33,22 |
| E24   | 32,5 | 44 | 17   | 50 | 390 | 16425E24 | 33,22 |
| E26   | 35   | 44 | 18,8 | 60 | 460 | 16425E26 | 38,39 |
| E28   | 36,3 | 44 | 25,2 | 60 | 465 | 16425E28 | 43,27 |
| E30   | 38,8 | 44 | 25,2 | 60 | 480 | 16425E30 | 46,69 |
| E32   | 41,3 | 44 | 25,2 | 60 | 480 | 16425E32 | 49,69 |



**VASOS HEXAGONALES MEDIANOS DE PARED DELGADA**

» 16301X

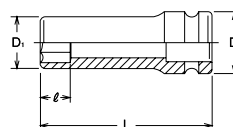
| mm | D1   | D2 | ℓ  | L  | ⚖   | Ref      | €     |
|----|------|----|----|----|-----|----------|-------|
| 17 | 28   | 43 | 17 | 75 | 370 | 16301X17 | 39,78 |
| 18 | 29,3 | 43 | 18 | 75 | 380 | 16301X18 | 39,78 |
| 19 | 30,5 | 43 | 19 | 75 | 393 | 16301X19 | 39,78 |
| 20 | 31,8 | 43 | 20 | 75 | 400 | 16301X20 | 39,78 |
| 21 | 33   | 43 | 21 | 75 | 408 | 16301X21 | 39,78 |
| 22 | 34,3 | 43 | 22 | 75 | 418 | 16301X22 | 39,78 |
| 23 | 35,5 | 43 | 23 | 75 | 425 | 16301X23 | 39,78 |
| 24 | 36,8 | 43 | 24 | 75 | 435 | 16301X24 | 39,78 |
| 25 | 38   | 43 | 25 | 75 | 449 | 16301X25 | 39,78 |
| 26 | 39,3 | 43 | 26 | 75 | 455 | 16301X26 | 39,78 |
| 27 | 40,5 | 43 | 27 | 75 | 464 | 16301X27 | 39,78 |
| 28 | 41,8 | 43 | 28 | 75 | 479 | 16301X28 | 39,78 |
| 29 | 43   | 43 | 29 | 75 | 489 | 16301X29 | 39,78 |
| 30 | 44,3 | 43 | 30 | 75 | 506 | 16301X30 | 39,78 |
| 31 | 45,5 | 43 | 31 | 75 | 518 | 16301X31 | 39,78 |
| 32 | 46,8 | 43 | 32 | 75 | 535 | 16301X32 | 44,02 |
| 33 | 48   | 43 | 33 | 75 | 550 | 16301X33 | 44,02 |
| 35 | 50,5 | 43 | 35 | 75 | 585 | 16301X35 | 44,02 |
| 36 | 51,8 | 43 | 36 | 75 | 603 | 16301X36 | 52,16 |
| 37 | 53   | 43 | 37 | 75 | 645 | 16301X37 | 52,16 |
| 38 | 54,3 | 43 | 38 | 80 | 691 | 16301X38 | 52,16 |
| 40 | 56,8 | 43 | 38 | 80 | 725 | 16301X40 | 52,16 |
| 41 | 58   | 43 | 38 | 80 | 755 | 16301X41 | 59,47 |
| 46 | 64,3 | 43 | 38 | 80 | 808 | 16301X46 | 61,23 |



» 16300M » 16300A

○ VASOS HEXAGONALES LARGOS

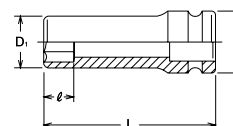
| mm | pulgadas | D1   | D2 | ℓ  | L   | ⚖     | Ref Métrica | €     | Ref Pulgadas  | €     |
|----|----------|------|----|----|-----|-------|-------------|-------|---------------|-------|
| 14 |          | 26,3 | 44 | 14 | 100 | 497   | 16300M14    | 28,00 |               |       |
| 16 |          | 28,8 | 44 | 16 | 100 | 524   | 16300M16    | 28,00 |               |       |
| 17 |          | 30   | 44 | 17 | 100 | 544   | 16300M17    | 28,00 |               |       |
| 18 |          | 31,3 | 44 | 18 | 100 | 642   | 16300M18    | 28,00 |               |       |
| 19 | 3/4      | 32,5 | 44 | 19 | 100 | 655   | 16300M19    | 28,00 | 16300A3/4     | 28,00 |
| 20 |          | 33,8 | 44 | 20 | 100 | 680   | 16300M20    | 28,00 |               |       |
| 21 | 13/16    | 35   | 44 | 21 | 100 | 700   | 16300M21    | 28,00 | 16300A13/16   | 28,00 |
| 22 | 7/8      | 36,3 | 44 | 22 | 100 | 700   | 16300M22    | 28,00 | 16300A7/8     | 28,00 |
| 23 |          | 37,5 | 44 | 23 | 100 | 720   | 16300M23    | 28,58 |               |       |
| 24 | 15/16    | 38,8 | 44 | 24 | 100 | 705   | 16300M24    | 28,58 | 16300A15/16   | 28,58 |
| 25 | 1        | 40   | 44 | 25 | 100 | 715   | 16300M25    | 28,58 | 16300A1       | 28,58 |
| 26 |          | 41,3 | 44 | 26 | 100 | 710   | 16300M26    | 28,58 |               |       |
| 27 | 1-1/16   | 42,5 | 44 | 27 | 100 | 710   | 16300M27    | 28,58 | 16300A1-1/16  | 28,58 |
| 28 |          | 43,8 | 44 | 28 | 100 | 800   | 16300M28    | 29,08 |               |       |
| 29 | 1-1/8    | 45   | 44 | 29 | 100 | 835   | 16300M29    | 29,08 | 16300A1-1/8   | 29,08 |
| 30 | 1-3/16   | 46,3 | 44 | 30 | 100 | 840   | 16300M30    | 29,08 | 16300A1-3/16  | 29,08 |
| 31 |          | 47,5 | 44 | 31 | 100 | 815   | 16300M31    | 29,98 |               |       |
| 32 | 1-1/4    | 48,8 | 44 | 32 | 100 | 875   | 16300M32    | 29,98 | 16300A1-1/4   | 34,63 |
| 33 |          | 50   | 44 | 33 | 100 | 920   | 16300M33    | 38,41 |               |       |
| 34 | 1-5/16   | 51,3 | 44 | 34 | 100 | 950   | 16300M34    | 38,41 | 16300A1-5/16  | 38,41 |
| 35 | 1-3/8    | 52,5 | 44 | 35 | 100 | 980   | 16300M35    | 38,41 | 16300A1-3/8   | 38,41 |
| 36 |          | 53,8 | 44 | 36 | 100 | 960   | 16300M36    | 38,41 |               |       |
| 37 | 1-7/16   | 55   | 44 | 37 | 100 | 970   | 16300M37    | 41,16 | 16300A1-7/16  | 38,41 |
| 38 | 1-1/2    | 56,3 | 44 | 38 | 100 | 990   | 16300M38    | 41,16 | 16300A1-1/2   | 41,16 |
| 40 | 1-9/16   | 58,8 | 44 | 38 | 100 | 1.060 | 16300M40    | 43,90 | 16300A1-9/16  | 43,90 |
| 41 | 1-5/8    | 60   | 44 | 38 | 100 | 1.120 | 16300M41    | 45,38 | 16300A1-5/8   | 45,38 |
| 42 |          | 61,3 | 44 | 38 | 100 | 1.153 | 16300M42    | 45,38 |               |       |
| 43 | 1-11/16  | 62,5 | 44 | 38 | 100 | 1.200 | 16300M43    | 49,60 | 16300A1-11/16 | 49,60 |
|    | 1-3/4    | 65   | 44 | 38 | 100 | 1.284 |             |       | 16300A1-3/4   | 56,73 |
| 46 | 1-13/16  | 66,3 | 44 | 38 | 100 | 1.305 | 16300M46    | 57,17 | 16300A1-13/16 | 56,73 |
| 48 | 1-7/8    | 68,8 | 54 | 38 | 100 | 1.480 | 16300M48    | 57,21 | 16300A1-7/8   | 56,73 |
| 50 |          | 71,3 | 54 | 61 | 100 | 1.469 | 16300M50    | 64,71 |               |       |
|    | 2        | 72,5 | 54 | 60 | 100 | 1.516 |             |       | 16300A2       | 64,71 |
| 55 |          | 77,5 | 54 | 59 | 100 | 1.620 | 16300M55    | 72,53 |               |       |
| 60 |          | 83,8 | 54 | 56 | 100 | 1.835 | 16300M60    | 86,92 |               |       |



» 16301M » 16301A

○ VASOS HEXAGONALES LARGOS DE PARED DELGADA

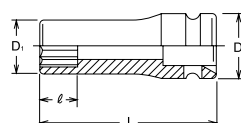
| mm | pulgadas | D1   | D2 | ℓ  | L   | ⚖     | Ref Métrica | €     | Ref Pulgadas  | €     |
|----|----------|------|----|----|-----|-------|-------------|-------|---------------|-------|
| 16 |          | 26,8 | 43 | 16 | 100 | 435   | 16301M16    | 31,60 |               |       |
| 17 | 11/16    | 28   | 43 | 17 | 100 | 470   | 16301M17    | 31,60 | 16301A11/16   | 31,60 |
| 18 |          | 29,3 | 43 | 18 | 100 | 475   | 16301M18    | 31,60 |               |       |
| 19 | 3/4      | 30,5 | 43 | 19 | 100 | 480   | 16301M19    | 31,60 | 16301A3/4     | 31,60 |
| 20 |          | 31,8 | 43 | 20 | 100 | 491   | 16301M20    | 31,60 |               |       |
| 21 | 13/16    | 33   | 43 | 21 | 100 | 505   | 16301M21    | 32,21 | 16301A13/16   | 32,13 |
| 22 | 7/8      | 34,3 | 43 | 22 | 100 | 528   | 16301M22    | 32,21 | 16301A7/8     | 32,21 |
| 23 |          | 35,5 | 43 | 23 | 100 | 542   | 16301M23    | 32,21 |               |       |
| 24 | 15/16    | 36,8 | 43 | 24 | 100 | 560   | 16301M24    | 32,21 | 16301A15/16   | 34,52 |
| 25 | 1        | 38   | 43 | 25 | 100 | 581   | 16301M25    | 34,52 | 16301A1       | 34,52 |
| 26 |          | 39,3 | 43 | 26 | 100 | 600   | 16301M26    | 34,52 |               |       |
| 27 | 1-1/16   | 40,5 | 43 | 27 | 100 | 610   | 16301M27    | 34,52 | 16301A1-1/16  | 34,52 |
| 28 |          | 41,8 | 43 | 28 | 100 | 639   | 16301M28    | 42,39 |               |       |
| 29 | 1-1/8    | 43   | 43 | 29 | 100 | 650   | 16301M29    | 42,39 | 16301A1-1/8   | 42,40 |
| 30 | 1-3/16   | 44,3 | 43 | 30 | 100 | 670   | 16301M30    | 42,39 | 16301A1-3/16  | 42,40 |
| 31 |          | 45,5 | 43 | 31 | 100 | 690   | 16301M31    | 42,39 |               |       |
| 32 | 1-1/4    | 46,8 | 43 | 32 | 100 | 715   | 16301M32    | 43,85 | 16301A1-1/4   | 43,86 |
| 33 |          | 48   | 43 | 33 | 100 | 750   | 16301M33    | 40,83 |               |       |
| 34 | 1-5/16   | 49,3 | 43 | 34 | 100 | 772   | 16301M34    | 40,83 | 16301A1-5/16  | 43,86 |
| 35 | 1-3/8    | 50,5 | 43 | 35 | 100 | 785   | 16301M35    | 56,13 | 16301A1-3/8   | 56,12 |
| 36 |          | 51,8 | 43 | 36 | 100 | 830   | 16301M36    | 56,13 |               |       |
| 37 | 1-7/16   | 53   | 43 | 37 | 100 | 850   | 16301M37    | 56,13 | 16301A1-7/16  | 56,12 |
| 38 | 1-1/2    | 54,3 | 43 | 38 | 100 | 885   | 16301M38    | 60,25 | 16301A1-1/2   | 60,25 |
| 40 | 1-9/16   | 56,8 | 43 | 38 | 100 | 925   | 16301M40    | 66,10 | 16301A1-9/16  | 66,10 |
| 41 | 1-5/8    | 58   | 43 | 38 | 100 | 970   | 16301M41    | 68,31 | 16301A1-5/8   | 68,31 |
| 42 |          | 59,3 | 43 | 38 | 100 | 990   | 16301M42    | 74,77 |               |       |
| 46 | 1-13/16  | 64,3 | 43 | 38 | 100 | 1.150 | 16301M46    | 85,57 | 16301A1-13/16 | 85,56 |
| 50 |          | 69,2 | 43 | 62 | 100 | 1.328 | 16301M50    | 85,57 |               |       |



○ VASOS BIHEXAGONALES LARGOS

| mm | D1   | D2 | ℓ  | L   | ⚖     | Ref      | €     |
|----|------|----|----|-----|-------|----------|-------|
| 14 | 26,3 | 44 | 14 | 100 | 500   | 16305M14 | 34,01 |
| 16 | 28,8 | 44 | 16 | 100 | 522   | 16305M16 | 34,01 |
| 17 | 30   | 44 | 17 | 100 | 544   | 16305M17 | 34,01 |
| 18 | 31,3 | 44 | 18 | 100 | 600   | 16305M18 | 34,01 |
| 19 | 32,5 | 44 | 19 | 100 | 655   | 16305M19 | 34,01 |
| 21 | 35   | 44 | 21 | 100 | 700   | 16305M21 | 34,01 |
| 22 | 36,3 | 44 | 22 | 100 | 700   | 16305M22 | 34,01 |
| 23 | 37,5 | 44 | 23 | 100 | 720   | 16305M23 | 34,01 |
| 24 | 38,8 | 44 | 24 | 100 | 715   | 16305M24 | 34,01 |
| 26 | 41,3 | 44 | 26 | 100 | 760   | 16305M26 | 34,01 |
| 27 | 42,5 | 44 | 27 | 100 | 765   | 16305M27 | 34,01 |
| 28 | 43,8 | 44 | 28 | 100 | 800   | 16305M28 | 34,01 |
| 29 | 45   | 44 | 29 | 100 | 835   | 16305M29 | 34,01 |
| 30 | 46,3 | 44 | 30 | 100 | 840   | 16305M30 | 34,01 |
| 32 | 48,8 | 44 | 32 | 100 | 875   | 16305M32 | 38,38 |
| 33 | 50   | 44 | 33 | 100 | 920   | 16305M33 | 38,38 |
| 34 | 51,3 | 44 | 34 | 100 | 950   | 16305M34 | 38,38 |
| 35 | 52,5 | 44 | 35 | 100 | 980   | 16305M35 | 38,38 |
| 36 | 53,8 | 44 | 36 | 100 | 960   | 16305M36 | 44,47 |
| 38 | 56,3 | 44 | 38 | 100 | 990   | 16305M38 | 47,52 |
| 41 | 60   | 44 | 38 | 100 | 1.120 | 16305M41 | 51,03 |
| 46 | 66,3 | 44 | 38 | 100 | 1.305 | 16305M46 | 65,56 |
| 50 | 71,3 | 54 | 61 | 100 | 1.469 | 16305M50 | 65,56 |

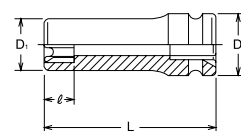
» 16305M



○ VASOS TORX® LARGOS

| TORX® | D1   | D2 | ℓ    | L   | ⚖   | Ref      | €     |
|-------|------|----|------|-----|-----|----------|-------|
| E18   | 26,3 | 44 | 13   | 100 | 520 | 16325E18 | 39,43 |
| E20   | 28,8 | 44 | 14,4 | 100 | 560 | 16325E20 | 39,43 |
| E22   | 31,3 | 44 | 15,5 | 100 | 600 | 16325E22 | 39,43 |
| E24   | 32,5 | 44 | 17   | 100 | 630 | 16325E24 | 39,43 |
| E26   | 35,0 | 44 | 18,8 | 100 | 660 | 16325E26 | 39,43 |
| E28   | 36,3 | 44 | 25,2 | 100 | 670 | 16325E28 | 39,43 |
| E30   | 38,8 | 44 | 25,2 | 100 | 730 | 16325E30 | 40,24 |
| E32   | 41,3 | 44 | 25,2 | 100 | 777 | 16325E32 | 40,24 |

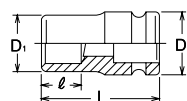
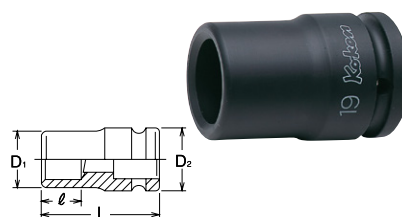
» 16325



○ VASOS DE TUERCA DE RUEDA TRASERA

| mm | pulgadas | D1 | D2 | ℓ    | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|----|----|------|----|-----|-------------|-------|--------------|-------|
| 17 |          | 40 | 44 | 22,5 | 67 | 485 | 16317M17    | 36,23 |              |       |
| 19 |          | 40 | 44 | 22,5 | 67 | 462 | 16317M19    | 43,20 |              |       |
| 20 |          | 44 | 44 | 22,5 | 67 | 517 | 16317M20    | 58,41 |              |       |
| 21 | 13/16    | 44 | 44 | 22,5 | 67 | 489 | 16317M21    | 58,41 | 16317A13/16  | 61,32 |
| 22 |          | 44 | 44 | 22,5 | 67 | 482 | 16317M22    | 58,41 |              |       |

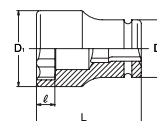
» 16317M » 16317A



○ VASOS DE TUERCA DE RUEDA TRASERA

| mm | D1 | D2 | ℓ  | L  | ⚖   | Ref   | €     |
|----|----|----|----|----|-----|-------|-------|
| 17 | 40 | 44 | 19 | 53 | 433 | PS617 | 35,71 |
| 19 | 40 | 44 | 19 | 53 | 419 | PS619 | 36,39 |
| 20 | 44 | 44 | 21 | 55 | 483 | PS620 | 37,00 |
| 21 | 44 | 44 | 23 | 57 | 491 | PS621 | 69,48 |

» PS6





**BARRAS DE TORSIÓN (SOLAMENTE PARA APRIETE)**

| Nm       | D1   | D2 | ℓ  | L   | ⚖     | Ref         | €      |
|----------|------|----|----|-----|-------|-------------|--------|
| 24x180Nm | 38,8 | 44 | 24 | 235 | 850   | 16101M24180 | 105,04 |
| 27x450Nm | 42,5 | 44 | 27 | 280 | 1.236 | 16101M27450 | 105,04 |
| 32x600Nm | 48,8 | 44 | 32 | 280 | 1.370 | 16101M32600 | 113,68 |
| 33x600Nm | 50   | 44 | 33 | 280 | 1.370 | 16101M33600 | 113,68 |

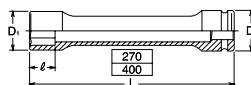
» 16101M



**VASOS DE IMPACTO PARA RUEDA EXTRA LARGOS**

| mm | D1   | D2 | ℓ  | ⚖     |       | Ref L270     | €      | Ref L400     | €      |
|----|------|----|----|-------|-------|--------------|--------|--------------|--------|
|    |      |    |    | 270   | 400   |              |        |              |        |
| 24 | 38,8 | 44 | 24 | 1.034 | 1.430 | 16102M-27024 | 93,84  | 16102M-40024 | 107,98 |
| 27 | 42,5 | 44 | 27 | 1.088 | 1.460 | 16102M-27027 | 93,84  | 16102M-40027 | 107,98 |
| 30 | 46,3 | 44 | 30 | 1.144 | 1.510 | 16102M-27030 | 93,84  | 16102M-40030 | 107,98 |
| 32 | 48,8 | 44 | 32 | 1.157 | 1.530 | 16102M-27032 | 99,68  | 16102M-40032 | 109,71 |
| 33 | 50   | 44 | 32 | 1.200 | 1.530 | 16102M-27033 | 99,68  | 16102M-40033 | 109,71 |
| 36 | 53,8 | 44 | 32 | 1.250 | 2.180 | 16102M-27036 | 100,87 | 16102M-40036 | 109,71 |
| 38 | 56,3 | 44 | 32 | 1.610 |       | 16102M-27038 | 164,79 |              |        |
| 41 | 60   | 44 | 32 | 1.640 |       | 16102M-27041 | 164,79 |              |        |

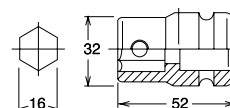
» 16102M-270/-400



**PORTA PUNTA**

| Ref   | L  | ⚖   | €     |
|-------|----|-----|-------|
| 16106 | 52 | 370 | 26,43 |

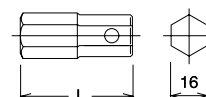
» 16106



**PUNTAS PARA TORNILLOS INHEX**

| mm | pulgadas | L  | ⚖  | Ref Métrica | €    | Ref Pulgadas | €    |
|----|----------|----|----|-------------|------|--------------|------|
| 10 |          | 40 | 46 | 107-1610    | 7,16 |              |      |
| 12 |          | 40 | 52 | 107-1612    | 7,16 |              |      |
| 13 | 1/2      | 40 | 56 | 107-1613    | 7,16 | 107-161/2    | 8,05 |
| 14 | 9/16     | 40 | 60 | 107-1614    | 7,16 | 107-169/16   | 8,05 |
| 16 | 5/8      | 40 | 69 | 107-1616    | 7,16 | 107-165/8    | 8,00 |
| 17 |          | 40 | 73 | 107-1617    | 7,83 |              |      |
| 18 |          | 40 | 78 | 107-1618    | 8,16 |              |      |
| 19 | 3/4      | 40 | 80 | 107-1619    | 8,16 | 107-163/4    | 8,09 |
| 22 |          | 40 | 97 | 107-1622    | 9,59 |              |      |

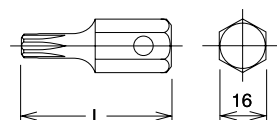
» 107-16



**PUNTAS TORX®**

| TORX® | L  | ⚖  | Ref       | €     |
|-------|----|----|-----------|-------|
| T55   | 50 | 57 | 107-16T55 | 12,48 |
| T60   | 50 | 64 | 107-16T60 | 12,59 |
| T70   | 50 | 73 | 107-16T70 | 12,59 |

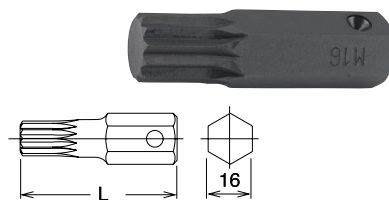
» 107-16(T)



● PUNTAS XZN

| XZN | L  | ⚖   | Ref       | €     |
|-----|----|-----|-----------|-------|
| M14 | 60 | 83  | 107-16M14 | 9,03  |
| M16 | 60 | 93  | 107-16M16 | 9,00  |
| M18 | 60 | 103 | 107-16M18 | 10,13 |

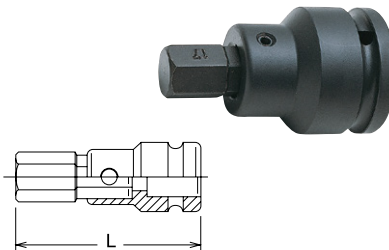
» 107-16(XZN)



● VASOS CON PUNTA HEXAGONAL

| mm | pulgadas | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|----|-----|-------------|-------|--------------|-------|
| 10 |          | 76 | 416 | 16106-1610  | 37,30 |              |       |
| 12 |          | 76 | 422 | 16106-1612  | 37,30 |              |       |
| 13 | 1/2      | 76 | 426 | 16106-1613  | 37,30 | 16106-161/2  | 38,29 |
| 14 | 9/16     | 76 | 430 | 16106-1614  | 37,30 | 16106-169/16 | 41,96 |
| 16 | 5/8      | 76 | 439 | 16106-1616  | 37,30 | 16106-165/8  | 38,29 |
| 17 |          | 76 | 443 | 16106-1617  | 38,31 |              |       |
| 18 |          | 76 | 448 | 16106-1618  | 38,42 |              |       |
| 19 | 3/4      | 76 | 450 | 16106-1619  | 38,42 | 16106-163/4  | 38,35 |
| 22 |          | 76 | 473 | 16106-1622  | 40,05 |              |       |

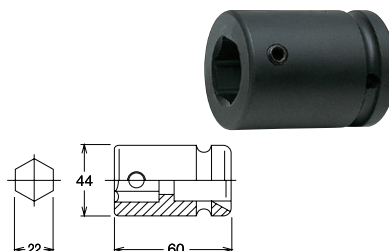
» 16106-16



○ PORTA PUNTA

| Ref   | L  | ⚖   | €     |
|-------|----|-----|-------|
| 16107 | 60 | 530 | 28,63 |

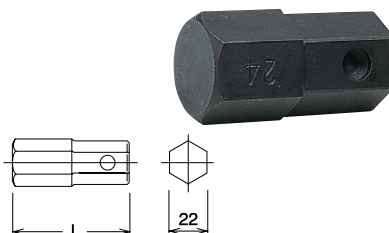
» 16107



● PUNTAS PARA TORNILLOS INHEx

| mm | L  | ⚖   | Ref      | €     |
|----|----|-----|----------|-------|
| 17 | 50 | 120 | 107-2217 | 9,59  |
| 19 | 50 | 140 | 107-2219 | 9,59  |
| 22 | 50 | 162 | 107-2222 | 9,59  |
| 24 | 50 | 176 | 107-2224 | 10,44 |
| 27 | 50 | 200 | 107-2227 | 12,08 |
| 30 | 50 | 227 | 107-2230 | 14,52 |
| 32 | 50 | 243 | 107-2232 | 15,41 |

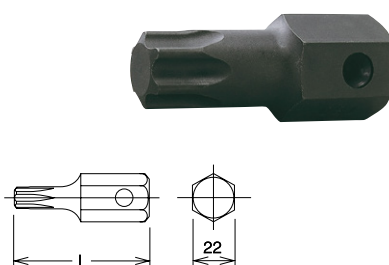
» 107-22



● PUNTAS TORX®

| TORX® | L  | ⚖   | Ref        | €     |
|-------|----|-----|------------|-------|
| T70   | 60 | 125 | 107-22T70  | 22,38 |
| T80   | 60 | 141 | 107-22T80  | 22,88 |
| T90   | 60 | 155 | 107-22T90  | 22,98 |
| T100  | 60 | 170 | 107-22T100 | 23,14 |

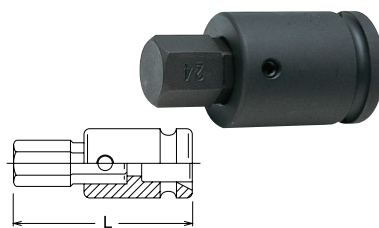
» 107-22(T)



● VASOS CON PUNTA HEXAGONAL

» 16107-22

| mm | L  | ⚖   | Ref        | €     |
|----|----|-----|------------|-------|
| 19 | 88 | 670 | 16107-2219 | 42,30 |
| 22 | 88 | 692 | 16107-2222 | 42,30 |
| 24 | 88 | 706 | 16107-2224 | 42,30 |
| 27 | 88 | 730 | 16107-2227 | 42,30 |
| 30 | 88 | 757 | 16107-2230 | 42,30 |
| 32 | 93 | 783 | 16107-2232 | 42,30 |



ALARGADERAS

» 16760-150/-175/-200/-250/-330

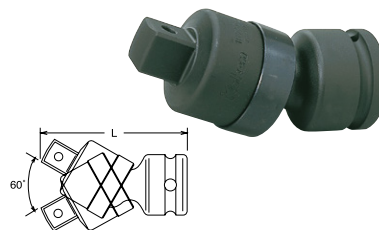
| Ref       | L   | ⚖     | €     |
|-----------|-----|-------|-------|
| 16760-150 | 150 | 775   | 44,26 |
| 16760-175 | 175 | 870   | 44,26 |
| 16760-200 | 200 | 955   | 55,25 |
| 16760-250 | 250 | 1.150 | 55,25 |
| 16760-330 | 330 | 1.460 | 57,74 |



ARTICULACIÓN UNIVERSAL

» 16770

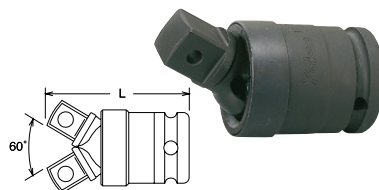
| Ref   | L   | ⚖   | €     |
|-------|-----|-----|-------|
| 16770 | 106 | 790 | 76,02 |



ARTICULACIÓN UNIVERSAL

» 16771

| Ref   | L  | ⚖   | €     |
|-------|----|-----|-------|
| 16771 | 95 | 720 | 54,17 |



ADAPTADOR

» 16644A

| Ref    | L  | ⚖   | €     |
|--------|----|-----|-------|
| 16644A | 54 | 310 | 24,10 |



□ 3/4" x 1/2"

ADAPTADOR

» 16655A

| Ref    | L    | ⚖   | €     |
|--------|------|-----|-------|
| 16655A | 55,5 | 336 | 25,62 |



□ 3/4" x 5/8"

ADAPTADOR

» 16688A

| Ref    | L  | ⚖   | €     |
|--------|----|-----|-------|
| 16688A | 62 | 435 | 34,65 |



□ 3/4" x 1"

 JUEGO DE VASOS

»16201M

| Ref    |  |  |  | €      |
|--------|---|---|---|--------|
| 16201M | 320 x 110 x 70  | 13  | 6.800   | 293,94 |

Vasos

16400M ○ 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41



 JUEGO DE VASOS

»16201A

| Ref    |  |  |  | €      |
|--------|---|---|---|--------|
| 16201A | 320 x 110 x 70  | 11  | 6.000   | 279,86 |

Vasos

16400A ○ 3/4, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2



 JUEGO DE VASOS

»16201M-01

| Ref         |  |  |  | €      |
|-------------|---|---|---|--------|
| ○ 16201M-01 | 320 x 110 x 70  | 13  | 6.000   | 293,94 |

Vasos

16401M ○ 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41



 JUEGO DE VASOS

»16201A-01

| Ref       |  |  |  | €      |
|-----------|---|---|---|--------|
| 16201A-01 | 320 x 110 x 70  | 11  | 5.400   | 279,86 |




Vasos

16401A ○ 3/4, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2



 JUEGO DE VASOS


»16245M

| Ref    |  |  |  | €      |
|--------|---|---|---|--------|
| 16245M | 310 x 90 x 48   | 18  | 2.250   | 481,17 |

Vasos

16400M ○ 19, 21, 22, 24, 27, 29, 30, 32  
33, 35, 36, 38, 41, 46, 50

Accesorios

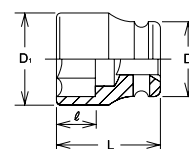
16760-175   
16760-330 



» 18400M » 18400A

○ VASOS HEXAGONALES

| mm  | pulgadas | D1    | D2 | ℓ  | L   | ⚖     | Ref Métrica | €      | Ref Pulgadas  | €      |
|-----|----------|-------|----|----|-----|-------|-------------|--------|---------------|--------|
| 17  | 11/16    | 32,8  | 54 | 12 | 57  | 579   | 18400M17    | 32,99  | 18400A11/16   | 34,60  |
| 18  |          | 34    | 54 | 13 | 57  | 586   | 18400M18    | 26,94  |               |        |
| 19  | 3/4      | 35,3  | 54 | 13 | 57  | 590   | 18400M19    | 26,94  | 18400A3/4     | 26,94  |
| 21  | 13/16    | 37,8  | 54 | 15 | 57  | 605   | 18400M21    | 26,94  | 18400A13/16   | 30,82  |
| 22  | 7/8      | 39    | 54 | 15 | 57  | 620   | 18400M22    | 26,94  | 18400A7/8     | 30,82  |
| 23  |          | 40,3  | 54 | 16 | 57  | 615   | 18400M23    | 26,94  |               |        |
| 24  | 15/16    | 41,5  | 54 | 16 | 57  | 627   | 18400M24    | 28,13  | 18400A15/16   | 30,82  |
| 25  | 1        | 42,8  | 54 | 16 | 57  | 620   | 18400M25    | 28,13  | 18400A1       | 32,16  |
| 26  |          | 44    | 54 | 16 | 57  | 640   | 18400M26    | 28,13  |               |        |
| 27  | 1-1/16   | 45,3  | 54 | 16 | 57  | 627   | 18400M27    | 28,13  | 18400A1-1/16  | 32,16  |
| 28  |          | 46,5  | 54 | 16 | 57  | 640   | 18400M28    | 28,13  |               |        |
| 29  | 1-1/8    | 47,8  | 54 | 18 | 57  | 657   | 18400M29    | 28,13  | 18400A1-1/8   | 32,16  |
| 30  | 1-3/16   | 49    | 54 | 21 | 62  | 657   | 18400M30    | 28,13  | 18400A1-3/16  | 32,16  |
| 31  |          | 50,3  | 54 | 21 | 62  | 687   | 18400M31    | 28,13  |               |        |
| 32  | 1-1/4    | 51,5  | 54 | 21 | 62  | 685   | 18400M32    | 28,13  | 18400A1-1/4   | 32,16  |
| 33  |          | 52,8  | 54 | 21 | 62  | 685   | 18400M33    | 28,13  |               |        |
| 34  | 1-5/16   | 54    | 54 | 21 | 62  | 690   | 18400M34    | 31,27  | 18400A1-5/16  | 32,16  |
| 35  | 1-3/8    | 55,3  | 54 | 21 | 62  | 710   | 18400M35    | 31,27  | 18400A1-3/8   | 32,16  |
| 36  |          | 56,5  | 54 | 21 | 62  | 712   | 18400M36    | 31,27  |               |        |
| 37  | 1-7/16   | 57,8  | 54 | 21 | 62  | 735   | 18400M37    | 31,27  | 18400A1-7/16  | 32,16  |
| 38  | 1-1/2    | 59    | 54 | 25 | 66  | 720   | 18400M38    | 31,27  | 18400A1-1/2   | 32,16  |
| 39  |          | 60,3  | 54 | 25 | 66  | 820   | 18400M39    | 37,06  |               |        |
| 40  | 1-9/16   | 61,5  | 54 | 25 | 66  | 850   | 18400M40    | 37,06  | 18400A1-9/16  | 35,73  |
| 41  | 1-5/8    | 62,8  | 54 | 25 | 66  | 850   | 18400M41    | 37,06  | 18400A1-5/8   | 37,06  |
| 42  |          | 64    | 54 | 25 | 66  | 905   | 18400M42    | 37,06  |               |        |
| 43  | 1-11/16  | 65,3  | 54 | 27 | 68  | 977   | 18400M43    | 40,31  | 18400A1-11/16 | 40,31  |
| 44  |          | 66,5  | 54 | 27 | 68  | 970   | 18400M44    | 40,31  |               |        |
| 45  | 1-3/4    | 67,8  | 54 | 27 | 68  | 963   | 18400M45    | 42,46  | 18400A1-3/4   | 41,53  |
| 46  | 1-13/16  | 69    | 54 | 29 | 70  | 1.010 | 18400M46    | 42,46  | 18400A1-13/16 | 42,46  |
| 47  |          | 70,3  | 54 | 36 | 70  | 997   | 18400M47    | 43,94  |               |        |
| 48  | 1-7/8    | 71,5  | 54 | 35 | 70  | 990   | 18400M48    | 45,21  | 18400A1-7/8   | 45,21  |
|     | 1-15/16  | 72,8  | 54 | 35 | 70  | 1.000 |             |        | 18400A1-15/16 | 48,69  |
| 50  |          | 74    | 54 | 35 | 70  | 1.065 | 18400M50    | 47,92  |               |        |
|     | 2        | 75,3  | 54 | 35 | 70  | 1.060 |             |        | 18400A2       | 59,55  |
| 52  | 2-1/6    | 76,5  | 54 | 40 | 75  | 1.185 | 18400M52    | 59,32  | 18400A2-1/6   | 59,32  |
| 54  | 2-1/8    | 79    | 54 | 40 | 75  | 1.252 | 18400M54    | 62,83  | 18400A2-1/8   | 62,83  |
| 55  | 2-3/16   | 80,3  | 54 | 39 | 75  | 1.260 | 18400M55    | 62,83  | 18400A2-3/16  | 62,83  |
| 56  |          | 81,5  | 54 | 39 | 75  | 1.277 | 18400M56    | 66,27  |               |        |
|     | 2-1/4    | 82,8  | 54 | 39 | 75  | 1.337 |             |        | 18400A2-1/4   | 67,91  |
| 58  | 2-5/16   | 84    | 54 | 39 | 75  | 1.340 | 18400M58    | 68,55  | 18400A2-5/16  | 68,55  |
| 60  | 2-3/8    | 86,5  | 54 | 39 | 75  | 1.400 | 18400M60    | 72,74  | 18400A2-3/8   | 82,09  |
| 62  | 2-7/16   | 89    | 54 | 38 | 75  | 1.410 | 18400M62    | 90,79  | 18400A2-7/16  | 90,79  |
| 63  |          | 90,3  | 54 | 38 | 75  | 1.383 | 18400M63    | 90,79  |               |        |
|     | 2-1/2    | 91,5  | 54 | 38 | 75  | 4.498 |             |        | 18400A2-1/2   | 93,24  |
| 65  | 2-9/16   | 92,8  | 54 | 38 | 75  | 1.630 | 18400M65    | 93,24  | 18400A2-9/16  | 93,24  |
| 67  | 2-5/8    | 95,3  | 54 | 38 | 75  | 1.580 | 18400M67    | 104,13 | 18400A2-5/8   | 111,14 |
| 68  | 2-11/16  | 96,5  | 54 | 37 | 75  | 1.583 | 18400M68    | 104,13 | 18400A2-11/16 | 118,42 |
| 70  | 2-3/4    | 99    | 54 | 37 | 75  | 1.625 | 18400M70    | 104,84 | 18400A2-3/4   | 118,42 |
|     | 2-13/16  | 101,5 | 86 | 37 | 80  | 2.705 |             |        | 18400A2-13/16 | 118,42 |
|     | 2-7/8    | 102,8 | 86 | 38 | 80  | 2.629 |             |        | 18400A2-7/8   | 134,19 |
| 75  | 2-15/16  | 105,3 | 86 | 37 | 80  | 2.675 | 18400M75    | 134,19 | 18400A2-15/16 | 134,19 |
|     | 3        | 106,5 | 86 | 37 | 80  | 2.705 |             |        | 18400A3       | 151,71 |
| 77  |          | 107,8 | 86 | 37 | 80  | 2.890 | 18400M77    | 156,01 |               |        |
|     | 3-1/16   | 109   | 86 | 42 | 85  | 2.967 |             |        | 18400A3-1/16  | 162,02 |
| 80  | 3-1/8    | 111,5 | 86 | 41 | 85  | 2.996 | 18400M80    | 156,01 | 18400A3-1/8   | 162,09 |
|     | 3-1/4    | 115,3 | 86 | 44 | 90  | 3.328 |             |        | 18400A3-1/4   | 197,36 |
| 85  |          | 117,8 | 86 | 37 | 90  | 3.378 | 18400M85    | 206,70 |               |        |
|     | 3-3/8    | 119   | 86 | 36 | 90  | 3.389 |             |        | 18400A3-3/8   | 206,70 |
| 90  | 3-1/2    | 124   | 86 | 40 | 95  | 3.871 | 18400M90    | 211,49 | 18400A3-1/2   | 236,23 |
| 95  | 3-3/4    | 130,3 | 86 | 43 | 100 | 4.500 | 18400M95    | 277,79 | 18400A3-3/4   | 246,74 |
|     | 3-7/8    | 135,3 | 86 | 47 | 105 | 5.000 |             |        | 18400A3-7/8   | 310,76 |
| 100 |          | 136,5 | 86 | 47 | 105 | 5.000 | 18400M100   | 359,92 |               |        |
|     | 4        | 137,8 | 86 | 46 | 105 | 5.152 |             |        | 18400A4       | 310,76 |

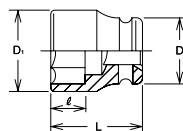


KOKEN IIIIII

○ VASOS HEXAGONALES DE PARED DELGADA

| mm | pulgadas | D1   | D2 | ℓ  | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas  | €     |
|----|----------|------|----|----|----|-----|-------------|-------|---------------|-------|
| 17 | 11/16    | 29,8 | 53 | 12 | 57 | 481 | 18401M17    | 39,17 | 18401A11/16   | 40,15 |
| 18 |          | 31   | 53 | 13 | 57 | 488 | 18401M18    | 39,17 |               |       |
| 19 | 3/4      | 32,3 | 53 | 13 | 57 | 492 | 18401M19    | 39,17 | 18401A3/4     | 40,15 |
| 20 |          | 33,5 | 53 | 14 | 57 | 505 | 18401M20    | 39,17 |               |       |
| 21 | 13/16    | 34,8 | 53 | 15 | 57 | 512 | 18401M21    | 39,17 | 18401A13/16   | 40,15 |
| 22 | 7/8      | 36   | 53 | 15 | 57 | 520 | 18401M22    | 39,17 | 18401A7/8     | 40,15 |
| 24 | 15/16    | 38,5 | 53 | 16 | 57 | 520 | 18401M24    | 39,17 | 18401A15/16   | 40,15 |
| 26 |          | 41   | 53 | 16 | 57 | 533 | 18401M26    | 39,17 |               |       |
| 27 | 1-1/16   | 42,3 | 53 | 16 | 57 | 540 | 18401M27    | 39,17 | 18401A1-1/16  | 40,15 |
| 29 |          | 44,8 | 53 | 18 | 57 | 560 | 18401M29    | 39,17 |               |       |
| 30 | 1-3/16   | 46   | 53 | 21 | 62 | 572 | 18401M30    | 39,17 | 18401A1-3/16  | 40,15 |
| 32 | 1-1/4    | 48,5 | 53 | 21 | 62 | 600 | 18401M32    | 39,17 | 18401A1-1/4   | 40,15 |
| 33 |          | 49,8 | 53 | 21 | 62 | 613 | 18401M33    | 39,17 |               |       |
| 35 | 1-3/8    | 52,3 | 53 | 21 | 62 | 630 | 18401M35    | 39,17 | 18401A1-3/8   | 40,15 |
| 36 |          | 53,5 | 53 | 21 | 62 | 635 | 18401M36    | 41,34 |               |       |
| 38 | 1-1/2    | 56   | 53 | 25 | 66 | 705 | 18401M38    | 46,78 | 18401A1-1/2   | 49,54 |
| 41 | 1-5/8    | 59,8 | 53 | 25 | 66 | 740 | 18401M41    | 51,35 | 18401A1-5/8   | 54,72 |
| 42 |          | 61   | 53 | 25 | 66 | 803 | 18401M42    | 51,97 |               |       |
| 46 | 1-13/16  | 66   | 53 | 29 | 70 | 900 | 18401M46    | 54,95 | 18401A1-13/16 | 58,12 |
| 47 |          | 67,3 | 53 | 36 | 70 | 915 | 18401M47    | 54,95 |               |       |
| 50 |          | 71   | 53 | 35 | 70 | 940 | 18401M50    | 70,59 |               |       |

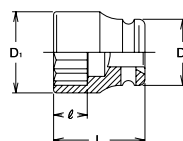
» 18401M » 18401A



○ VASOS BIHEXAGONALES

| mm | pulgadas | D1    | D2 | ℓ  | L  | ⚖     | Ref Métrica | €      | Ref Pulgadas  | €     |
|----|----------|-------|----|----|----|-------|-------------|--------|---------------|-------|
|    | 3/4      | 35,3  | 54 | 13 | 57 | 590   |             |        | 18405A3/4     | 32,30 |
|    | 7/8      | 39    | 54 | 15 | 57 | 620   |             |        | 18405A7/8     | 32,30 |
| 24 |          | 41,5  | 54 | 16 | 57 | 627   | 18405M24    | 46,19  |               |       |
|    | 1        | 42,8  | 54 | 16 | 57 | 620   |             |        | 18405A1       | 32,30 |
| 27 |          | 45,3  | 54 | 16 | 57 | 607   | 18405M27    | 46,19  |               |       |
|    | 1-1/8    | 47,8  | 54 | 18 | 57 | 660   |             |        | 18405A1-1/8   | 32,30 |
| 30 | 1-3/16   | 49    | 54 | 21 | 62 | 657   | 18405M30    | 51,44  | 18405A1-3/16  | 32,30 |
| 32 | 1-1/4    | 51,5  | 54 | 21 | 62 | 685   | 18405M32    | 51,44  | 18405A1-1/4   | 32,30 |
| 33 |          | 52,8  | 54 | 21 | 62 | 690   | 18405M33    | 51,44  |               |       |
| 35 | 1-3/8    | 55,3  | 54 | 21 | 62 | 690   | 18405M35    | 51,44  | 18405A1-3/8   | 32,30 |
| 36 |          | 56,5  | 54 | 21 | 62 | 692   | 18405M36    | 51,44  |               |       |
|    | 1-7/16   | 57,8  | 54 | 21 | 62 | 735   |             |        | 18405A1-7/16  | 42,57 |
| 38 | 1-1/2    | 59    | 54 | 25 | 66 | 700   | 18405M38    | 52,89  | 18405A1-1/2   | 46,77 |
| 40 |          | 61,5  | 54 | 25 | 66 | 830   | 18405M40    | 60,86  |               |       |
| 41 |          | 62,8  | 54 | 25 | 66 | 905   | 18405M41    | 60,86  |               |       |
|    | 1-3/4    | 67,8  | 54 | 27 | 68 | 970   |             |        | 18405A1-3/4   | 50,75 |
| 46 |          | 69    | 54 | 29 | 70 | 990   | 18405M46    | 66,44  |               |       |
|    | 1-15/16  | 72,8  | 54 | 35 | 70 | 1.000 |             |        | 18405A1-15/16 | 59,30 |
| 50 |          | 74    | 54 | 35 | 70 | 1.021 | 18405M50    | 81,49  |               |       |
| 55 |          | 80,3  | 54 | 39 | 75 | 1.234 | 18405M55    | 98,34  |               |       |
| 56 |          | 81,5  | 54 | 39 | 75 | 1.250 | 18405M56    | 106,32 |               |       |
| 60 |          | 86,5  | 54 | 39 | 75 | 1.400 | 18405M60    | 128,42 |               |       |
| 65 |          | 92,8  | 54 | 38 | 75 | 1.600 | 18405M65    | 164,78 |               |       |
| 70 |          | 99    | 54 | 37 | 75 | 1.625 | 18405M70    | 164,78 |               |       |
| 75 |          | 105,3 | 86 | 37 | 80 | 2.675 | 18405M75    | 164,78 |               |       |
| 80 |          | 111,5 | 86 | 41 | 85 | 2.996 | 18405M80    | 164,78 |               |       |

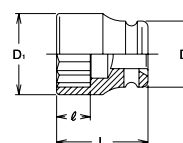
» 18405M » 18405A



○ VASOS PARA EJES CARDAN

| mm      | D1 | D2 | ℓ  | L  | ⚖     | Ref          | €      |
|---------|----|----|----|----|-------|--------------|--------|
| 50(D68) | 68 | 54 | 35 | 70 | 890   | 18405MD50x68 | 71,47  |
| 55(D76) | 76 | 54 | 39 | 75 | 1.130 | 18405MD55x76 | 77,71  |
| 65(D87) | 87 | 54 | 38 | 75 | 1.344 | 18405MD65x87 | 108,16 |

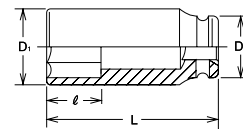
» 18405M (D)



» 18300M » 18300A

○ VASOS HEXAGONALES LARGOS

| mm | pulgadas | D1    | D2 | ℓ  | L   | ⚖     | Ref Métrica | €      | Ref Pulgadas  | €      |
|----|----------|-------|----|----|-----|-------|-------------|--------|---------------|--------|
| 17 | 11/16    | 32,8  | 54 | 17 | 108 | 1.000 | 18300M17    | 41,24  | 18300A11/16   | 46,51  |
| 19 | 3/4      | 35,3  | 54 | 19 | 108 | 1.010 | 18300M19    | 41,24  | 18300A3/4     | 46,51  |
| 21 |          | 37,8  | 54 | 21 | 108 | 1.010 | 18300M21    | 40,04  |               |        |
| 22 | 7/8      | 39    | 54 | 22 | 108 | 1.010 | 18300M22    | 41,24  | 18300A7/8     | 46,51  |
| 23 |          | 40,3  | 54 | 23 | 108 | 1.063 | 18300M23    | 41,24  |               |        |
| 24 | 15/16    | 41,5  | 54 | 24 | 108 | 1.060 | 18300M24    | 41,24  | 18300A15/16   | 46,51  |
| 25 | 1        | 42,8  | 54 | 25 | 108 | 1.085 | 18300M25    | 41,24  | 18300A1       | 46,51  |
| 26 |          | 44    | 54 | 26 | 108 | 1.133 | 18300M26    | 41,24  |               |        |
| 27 | 1-1/16   | 45,3  | 54 | 27 | 108 | 1.125 | 18300M27    | 43,43  | 18300A1-1/16  | 46,51  |
| 28 |          | 46,5  | 54 | 28 | 108 | 1.140 | 18300M28    | 43,43  |               |        |
| 29 | 1-1/8    | 47,8  | 54 | 29 | 108 | 1.120 | 18300M29    | 43,43  | 18300A1-1/8   | 46,51  |
| 30 | 1-3/16   | 49    | 54 | 30 | 108 | 1.179 | 18300M30    | 43,71  | 18300A1-3/16  | 46,51  |
| 31 |          | 50,3  | 54 | 31 | 108 | 1.125 | 18300M31    | 43,71  |               |        |
| 32 | 1-1/4    | 51,5  | 54 | 32 | 108 | 1.200 | 18300M32    | 43,71  | 18300A1-1/4   | 46,51  |
| 33 |          | 52,8  | 54 | 33 | 108 | 1.200 | 18300M33    | 45,54  |               |        |
| 34 | 1-5/16   | 54    | 54 | 34 | 108 | 1.280 | 18300M34    | 47,58  | 18300A1-5/16  | 46,51  |
| 35 | 1-3/8    | 55,3  | 54 | 35 | 108 | 1.300 | 18300M35    | 47,58  | 18300A1-3/8   | 47,58  |
| 36 |          | 56,5  | 54 | 36 | 108 | 1.280 | 18300M36    | 47,58  |               |        |
| 37 | 1-7/16   | 57,8  | 54 | 37 | 108 | 1.320 | 18300M37    | 53,46  | 18300A1-7/16  | 47,58  |
| 38 | 1-1/2    | 59    | 54 | 38 | 108 | 1.423 | 18300M38    | 53,46  | 18300A1-1/2   | 53,46  |
| 40 | 1-9/16   | 61,5  | 54 | 38 | 108 | 1.415 | 18300M40    | 57,04  | 18300A1-9/16  | 57,04  |
| 41 | 1-5/8    | 62,8  | 54 | 38 | 108 | 1.450 | 18300M41    | 57,04  | 18300A1-5/8   | 57,04  |
| 42 |          | 64    | 54 | 38 | 108 | 1.550 | 18300M42    | 58,04  |               |        |
|    | 1-11/16  | 65,3  | 54 | 38 | 108 | 1.577 |             |        | 18300A1-11/16 | 58,04  |
| 44 |          | 66,5  | 54 | 38 | 108 | 1.636 | 18300M44    | 63,38  |               |        |
| 45 | 1-3/4    | 67,8  | 54 | 38 | 108 | 1.660 | 18300M45    | 67,11  | 18300A1-3/4   | 63,38  |
| 46 | 1-13/16  | 69    | 54 | 38 | 108 | 1.680 | 18300M46    | 67,11  | 18300A1-13/16 | 67,11  |
| 48 | 1-7/8    | 71,5  | 54 | 67 | 108 | 1.500 | 18300M48    | 73,49  | 18300A1-7/8   | 73,49  |
|    | 1-15/16  | 72,8  | 54 | 67 | 108 | 1.570 |             |        | 18300A1-15/16 | 73,49  |
| 50 |          | 74    | 54 | 66 | 108 | 1.650 | 18300M50    | 67,83  |               |        |
|    | 2        | 75,3  | 54 | 66 | 108 | 1.605 |             |        | 18300A2       | 79,14  |
| 52 | 2-1/16   | 76,5  | 54 | 65 | 108 | 1.770 | 18300M52    | 79,14  | 18300A2-1/16  | 79,14  |
|    | 2-1/8    | 79    | 54 | 64 | 108 | 1.812 |             |        | 18300A2-1/8   | 88,19  |
| 55 | 2-3/16   | 80,3  | 54 | 63 | 108 | 1.855 | 18300M55    | 81,41  | 18300A2-3/16  | 94,97  |
|    | 2-1/4    | 82,8  | 54 | 62 | 108 | 1.916 |             |        | 18300A2-1/4   | 95,53  |
|    | 2-5/16   | 84    | 54 | 61 | 108 | 1.987 |             |        | 18300A2-5/16  | 99,22  |
| 60 | 2-3/8    | 86,5  | 54 | 60 | 108 | 2.047 | 18300M60    | 110,28 | 18300A2-3/8   | 110,28 |
|    | 2-7/16   | 89    | 54 | 59 | 108 | 2.041 |             |        | 18300A2-7/16  | 146,96 |
|    | 2-1/2    | 91,5  | 54 | 58 | 108 | 2.250 |             |        | 18300A2-1/2   | 146,96 |
| 65 | 2-9/16   | 92,8  | 54 | 58 | 108 | 2.310 | 18300M65    | 146,96 | 18300A2-9/16  | 161,67 |
|    | 2-5/8    | 95,3  | 54 | 56 | 108 | 2.370 |             |        | 18300A2-5/8   | 161,67 |
| 70 | 2-3/4    | 99    | 54 | 55 | 108 | 2.440 | 18300M70    | 161,67 | 18300A2-3/4   | 161,67 |
|    | 2-7/8    | 102,8 | 86 | 53 | 108 | 3.600 |             |        | 18300A2-7/8   | 225,16 |
| 75 | 2-15/16  | 105,3 | 86 | 52 | 108 | 3.646 | 18300M75    | 237,60 | 18300A2-15/16 | 237,60 |
|    | 3        | 106,5 | 86 | 51 | 108 | 3.677 |             |        | 18300A3       | 237,60 |
|    | 3-1/16   | 109   | 86 | 50 | 108 | 3.939 |             |        | 18300A3-1/16  | 237,60 |
| 80 | 3-1/8    | 111,5 | 86 | 49 | 108 | 4.039 | 18300M80    | 267,00 | 18300A3-1/8   | 237,60 |
|    | 3-3/16   | 112,8 | 86 | 48 | 108 | 4.170 |             |        | 18300A3-3/16  | 297,97 |
| 85 |          | 117,8 | 86 | 59 | 108 | 4.000 | 18300M85    | 359,93 |               |        |
| 90 |          | 124   | 86 | 57 | 108 | 4.200 | 18300M90    | 359,93 |               |        |
| 95 |          | 130,3 | 86 | 55 | 108 | 4.400 | 18300M95    | 421,12 |               |        |

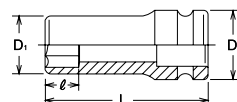


□ 1º VASOS DE IMPACTO

○ VASOS HEXAGONALES DE PARED DELGADA

| mm     | pulgadas | D1   | D2 | ℓ  | L   | ⚖     | Ref Métrica | €      | Ref Pulgadas  | €     |
|--------|----------|------|----|----|-----|-------|-------------|--------|---------------|-------|
| 17     | 11/16    | 29,8 | 53 | 17 | 108 | 692   | 18301M17    | 50,25  | 18301A11/16   | 53,61 |
| 18     |          | 31   | 53 | 18 | 108 | 710   | 18301M18    | 50,25  |               |       |
| 19     | 3/4      | 32,3 | 53 | 19 | 108 | 725   | 18301M19    | 50,25  | 18301A3/4     | 53,61 |
| 20     |          | 33,5 | 53 | 20 | 108 | 740   | 18301M20    | 50,25  |               |       |
| 21     | 13/16    | 34,8 | 53 | 21 | 108 | 750   | 18301M21    | 50,25  | 18301A13/16   | 53,61 |
| 22     | 7/8      | 36   | 53 | 22 | 108 | 770   | 18301M22    | 50,25  | 18301A7/8     | 53,61 |
| 23     |          | 37,3 | 53 | 23 | 108 | 780   | 18301M23    | 50,25  |               |       |
| 24     | 15/16    | 38,5 | 53 | 24 | 108 | 800   | 18301M24    | 52,47  | 18301A15/16   | 53,61 |
| 1      |          | 39,8 | 53 | 25 | 108 | 828   |             |        | 18301A1       | 52,47 |
| 26     |          | 41   | 53 | 26 | 108 | 830   | 18301M26    | 52,47  |               |       |
| 27     | 1-1/16   | 42,3 | 53 | 27 | 108 | 860   | 18301M27    | 52,47  | 18301A1-1/16  | 52,47 |
| 29     | 1-1/8    | 44,8 | 53 | 29 | 108 | 880   | 18301M29    | 52,47  | 18301A1-1/8   | 52,47 |
| 30     | 1-3/16   | 46   | 53 | 30 | 108 | 910   | 18301M30    | 54,01  | 18301A1-3/16  | 60,00 |
| 32     | 1-1/4    | 48,5 | 53 | 32 | 108 | 970   | 18301M32    | 54,01  | 18301A1-1/4   | 61,75 |
| 33     |          | 49,8 | 53 | 33 | 108 | 980   | 18301M33    | 54,01  |               |       |
| 34     | 1-5/16   | 51   | 53 | 34 | 108 | 980   | 18301M34    | 54,01  | 18301A1-5/16  | 61,75 |
| 35     | 1-3/8    | 52,3 | 53 | 35 | 108 | 986   | 18301M35    | 54,01  | 18301A1-3/8   | 71,26 |
| 36     |          | 53,5 | 53 | 36 | 108 | 992   | 18301M36    | 54,01  |               |       |
| 1-7/16 |          | 54,8 | 53 | 37 | 108 | 1.000 |             |        | 18301A1-7/16  | 71,26 |
| 38     | 1-1/2    | 56   | 53 | 38 | 108 | 1.025 | 18301M38    | 60,70  | 18301A1-1/2   | 71,26 |
| 39     |          | 57,3 | 53 | 38 | 108 | 1.130 | 18301M39    | 60,70  |               |       |
| 41     | 1-5/8    | 59,8 | 53 | 38 | 108 | 1.213 | 18301M41    | 71,26  | 18301A1-5/8   | 71,26 |
| 42     |          | 61   | 53 | 38 | 108 | 1.245 | 18301M42    | 71,26  |               |       |
| 43     | 1-11/16  | 62,3 | 53 | 38 | 108 | 1.400 | 18301M43    | 71,26  | 18301A1-11/16 | 71,26 |
| 1-3/4  |          | 64,8 | 53 | 38 | 108 | 1.360 |             |        | 18301A1-3/4   | 71,26 |
| 46     | 1-13/16  | 66   | 53 | 38 | 108 | 1.400 | 18301M46    | 92,04  | 18301A1-13/16 | 97,12 |
| 50     |          | 71   | 53 | 38 | 108 | 1.520 | 18301M50    | 92,04  |               |       |
| 55     |          | 77,3 | 53 | 62 | 108 | 1.735 | 18301M55    | 92,04  |               |       |
| 60     |          | 83,5 | 53 | 59 | 108 | 1.985 | 18301M60    | 96,56  |               |       |
| 65     |          | 89,8 | 53 | 56 | 108 | 2.090 | 18301M65    | 96,56  |               |       |
| 70     |          | 96   | 53 | 55 | 108 | 2.310 | 18301M70    | 108,88 |               |       |

» 18301M » 18301A



○ VASOS DE TUERCA DE RUEDA INTERNA

| mm    | D1 | D2 | ℓ  | L  | ⚖     | Ref      | €     |
|-------|----|----|----|----|-------|----------|-------|
| 35x17 | 50 | 54 | 13 | 83 | 935   | PW8P3517 | 70,15 |
| 38x20 | 55 | 54 | 14 | 83 | 1.038 | PW8P3820 | 76,46 |
| 41x19 | 58 | 54 | 14 | 87 | 1.100 | PW8P4119 | 77,94 |
| 41x21 | 58 | 54 | 14 | 87 | 1.089 | PW8P4121 | 77,60 |

» PW8P



○ JUEGO DE VASOS DE TUERCA DE RUEDA INTERNA

| Ref    | ⚖             | ⚖ | €     |        |
|--------|---------------|---|-------|--------|
| PW8P74 | 240 x 95 x 70 | 4 | 4.250 | 302,46 |

Vasos

PW8P ○ 35x17, 38x20, 41x19, 41x21

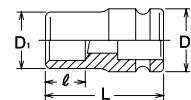
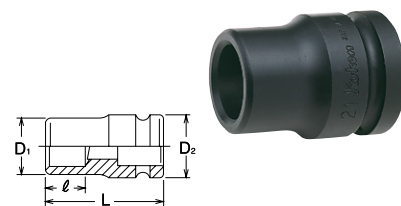
» PW8P/4



○ VASOS DE TUERCA DE RUEDA INTERNA

| mm   | pulgadas | D1 | D2 | ℓ    | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|------|----------|----|----|------|----|-----|-------------|-------|--------------|-------|
| 17   |          | 40 | 54 | 22,5 | 72 | 682 | 18317M17    | 77,86 |              |       |
| 17,5 |          | 40 | 54 | 22,5 | 72 | 677 | 18317M17,5  | 77,86 |              |       |
| 19   |          | 43 | 54 | 22,5 | 72 | 705 | 18317M19    | 77,86 |              |       |
| 20   |          | 45 | 54 | 22,5 | 72 | 723 | 18317M20    | 77,86 |              |       |
| 20,5 |          | 45 | 54 | 22,5 | 72 | 723 | 18317M20,5  | 77,86 |              |       |
| 21   | 13/16    | 45 | 54 | 22,5 | 72 | 703 | 18317M21    | 77,86 | 18317A13/16  | 81,39 |
| 22   |          | 45 | 54 | 22,5 | 72 | 696 | 18317M22    | 77,86 |              |       |

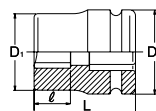
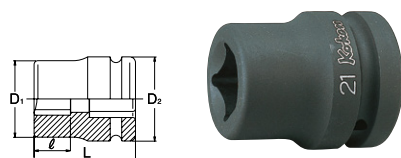
» 18317M » 18317A



○ VASOS DE TUERCA DE RUEDA TRASERA

| mm | D1 | D2 | ℓ  | L  | ⚖   | Ref   | €     |
|----|----|----|----|----|-----|-------|-------|
| 17 | 40 | 54 | 19 | 60 | 621 | PS817 | 41,83 |
| 19 | 43 | 54 | 19 | 60 | 648 | PS819 | 57,30 |
| 20 | 45 | 54 | 21 | 62 | 687 | PS820 | 57,30 |
| 21 | 45 | 54 | 23 | 64 | 696 | PS821 | 41,83 |

» PS8

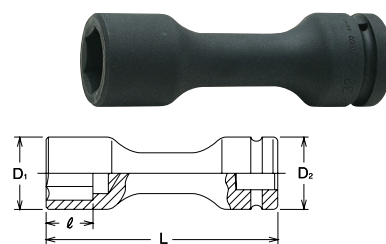




○ VASOS HEXAGONALES DE PARED DELGADA

| mm | D1   | D2 | ℓ  | L   | ⚖     | Ref Métrica | €     |
|----|------|----|----|-----|-------|-------------|-------|
| 24 | 41,5 | 54 | 24 | 170 | 1.327 | 18104M24    | 81,87 |
| 27 | 45,3 | 54 | 27 | 170 | 1.375 | 18104M27    | 81,87 |
| 28 | 46,5 | 54 | 28 | 170 | 1.390 | 18104M28    | 81,87 |
| 30 | 49   | 54 | 30 | 170 | 1.407 | 18104M30    | 81,87 |
| 32 | 51,5 | 54 | 32 | 170 | 1.537 | 18104M32    | 89,62 |
| 33 | 62,8 | 54 | 33 | 170 | 1.590 | 18104M33    | 89,62 |
| 34 | 54   | 54 | 34 | 170 | 1.670 | 18104M34    | 95,35 |
| 36 | 56,5 | 54 | 36 | 170 | 1.800 | 18104M36    | 95,35 |

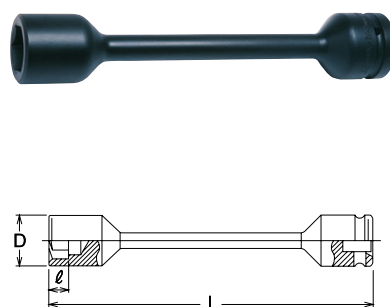
» 18104M



○ BARRAS DE TORSIÓN (SOLAMENTE PARA APRIETE)\*

| Nm       | D1   | D2 | ℓ  | L   | ⚖     | Ref          | €      |
|----------|------|----|----|-----|-------|--------------|--------|
| 24x350Nm | 43,5 | 54 | 24 | 300 | 1.380 | 18101M24x350 | 93,52  |
| 27x350Nm | 47   | 54 | 27 | 300 | 1.401 | 18101M27x350 | 104,77 |
| 27x450Nm | 47   | 54 | 27 | 300 | 1.579 | 18101M27x450 | 104,77 |
| 30x500Nm | 51   | 54 | 30 | 300 | 1.563 | 18101M30x500 | 108,47 |
| 32x450Nm | 53,5 | 54 | 32 | 300 | 1.600 | 18101M32x450 | 108,47 |
| 32x550Nm | 53,5 | 54 | 32 | 300 | 1.602 | 18101M32x550 | 108,47 |
| 32x600Nm | 53,5 | 54 | 32 | 300 | 1.602 | 18101M32x600 | 108,47 |
| 32x700Nm | 51,5 | 54 | 32 | 300 | 1.630 | 18101M32x700 | 108,47 |
| 33x550Nm | 55   | 54 | 33 | 300 | 1.638 | 18101M33x550 | 108,47 |
| 33x600Nm | 55   | 54 | 33 | 300 | 1.638 | 18101M33x600 | 108,47 |
| 36x600Nm | 58,5 | 54 | 36 | 300 | 1.718 | 18101M36x600 | 125,77 |

» 18101M

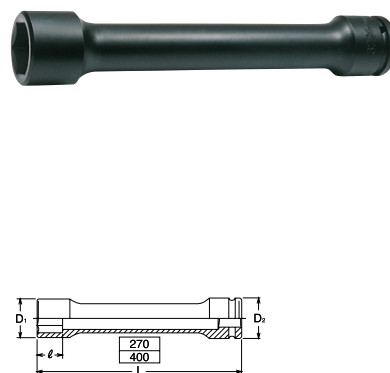


\* Como el par puede variar según el tipo y el estado de la llave de impacto, se recomienda utilizar una llave dinámométrica.

○ VASOS DE IMPACTO PARA RUEDA EXTRA LARGOS

| mm | D1   | D2 | ℓ  | ⚖     |       | Ref L270     | €      | Ref L400     | €      |
|----|------|----|----|-------|-------|--------------|--------|--------------|--------|
|    |      |    |    | 270   | 400   |              |        |              |        |
| 23 | 37,3 | 54 | 23 | 1.627 | 1.865 | 18102M-27023 | 126,00 | 18102M-40023 | 153,40 |
| 24 | 38,5 | 54 | 24 | 1.628 | 1.869 | 18102M-27024 | 126,00 | 18102M-40024 | 153,40 |
| 26 | 41   | 54 | 26 | 1.667 | 1.925 | 18102M-27026 | 126,00 | 18102M-40026 | 153,40 |
| 27 | 42,3 | 54 | 27 | 1.680 | 2.272 | 18102M-27027 | 126,00 | 18102M-40027 | 153,40 |
| 29 | 44,8 | 54 | 29 | 1.680 | 2.278 | 18102M-27029 | 126,00 | 18102M-40029 | 153,40 |
| 30 | 46   | 54 | 30 | 1.680 | 2.266 | 18102M-27030 | 122,33 | 18102M-40030 | 153,40 |
| 32 | 48,5 | 54 | 32 | 1.680 | 2.322 | 18102M-27032 | 133,39 | 18102M-40032 | 153,40 |
| 33 | 49,8 | 54 | 32 | 1.700 | 2.320 | 18102M-27033 | 133,39 | 18102M-40033 | 155,74 |
| 34 | 51   | 54 | 32 | 1.750 | 2.341 | 18102M-27034 | 133,39 | 18102M-40034 | 155,74 |
| 36 | 53,5 | 54 | 32 | 1.750 | 2.442 | 18102M-27036 | 133,39 | 18102M-40036 | 155,74 |
| 38 | 56   | 54 | 32 | 1.822 | 2.250 | 18102M-27038 | 142,26 | 18102M-40038 | 163,50 |
| 41 | 60   | 54 | 32 | 1.800 |       | 18102M-27041 | 164,79 |              |        |

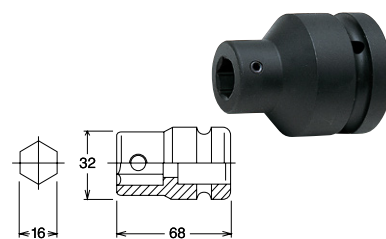
» 18102M-270/-400



○ PORTA PUNTA

| Ref   | L  | ⚖   | €     |
|-------|----|-----|-------|
| 18106 | 68 | 640 | 41,86 |

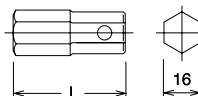
» 18106



● PUNTAS PARA TORNILLOS INHEX

| mm | pulgadas | L  | ⚖  | Ref Métrica | €    | Ref Pulgadas | €    |
|----|----------|----|----|-------------|------|--------------|------|
| 10 | 3/8      | 40 | 46 | 107-1610    | 7,16 | 107-163/8    | 8,05 |
| 12 |          | 40 | 52 | 107-1612    | 7,16 |              |      |
| 13 | 1/2      | 40 | 56 | 107-1613    | 7,16 | 107-161/2    | 8,05 |
| 14 | 9/16     | 40 | 60 | 107-1614    | 7,16 | 107-169/16   | 8,05 |
| 16 | 5/8      | 40 | 69 | 107-1616    | 7,16 | 107-165/8    | 8,05 |
| 17 |          | 40 | 73 | 107-1617    | 7,83 |              |      |
| 18 |          | 40 | 78 | 107-1618    | 8,15 |              |      |
| 19 | 3/4      | 40 | 80 | 107-1619    | 8,15 | 107-163/4    | 8,09 |
| 22 |          | 40 | 97 | 107-1622    | 9,59 |              |      |

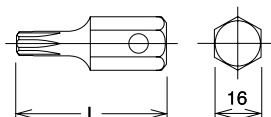
» 107-16



● PUNTAS TORX®

| TORX® | L  | ⚖  | Ref       | €     |
|-------|----|----|-----------|-------|
| T55   | 50 | 57 | 107-16T55 | 12,48 |
| T60   | 50 | 64 | 107-16T60 | 12,59 |
| T70   | 50 | 73 | 107-16T70 | 12,59 |

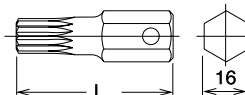
» 107-16(T)



● PUNTAS XZN

| XZN | L  | ⚖   | Ref       | €     |
|-----|----|-----|-----------|-------|
| M14 | 60 | 83  | 107-16M14 | 9,02  |
| M16 | 60 | 93  | 107-16M16 | 8,99  |
| M18 | 60 | 103 | 107-16M18 | 10,13 |

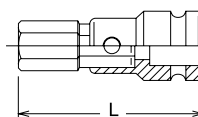
» 107-16(XZN)



● VASOS CON PUNTA HEXAGONAL

| mm | pulgadas | L  | ⚖   | Ref Métrica | €     | Ref Pulgadas | €     |
|----|----------|----|-----|-------------|-------|--------------|-------|
| 10 |          | 92 | 686 | 18106-1610  | 54,55 |              |       |
| 12 |          | 92 | 692 | 18106-1612  | 54,55 |              |       |
| 13 | 1/2      | 92 | 696 | 18106-1613  | 54,55 | 18106-161/2  | 55,41 |
| 14 | 9/16     | 92 | 700 | 18106-1614  | 54,55 | 18106-169/16 | 55,41 |
| 16 | 5/8      | 92 | 709 | 18106-1616  | 54,55 | 18106-165/8  | 55,47 |
| 17 |          | 92 | 713 | 18106-1617  | 55,38 |              |       |
| 18 |          | 92 | 718 | 18106-1618  | 55,56 |              |       |
| 19 | 3/4      | 92 | 764 | 18106-1619  | 55,57 | 18106-163/4  | 55,48 |
| 22 |          | 92 | 781 | 18106-1622  | 57,00 |              |       |

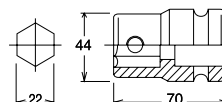
» 18106-16



○ PORTA PUNTA

| Ref   | L  | ⚖   | €     |
|-------|----|-----|-------|
| 18107 | 70 | 770 | 41,86 |

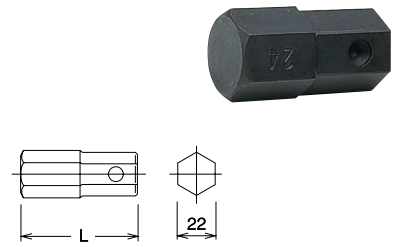
» 18107



● PUNTAS PARA TORNILLOS INHEX

» 107-22

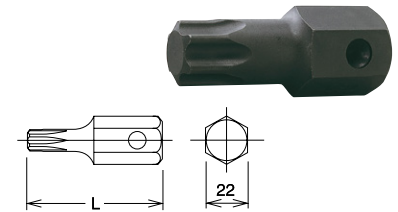
| mm | L  | ⚖️  | Ref      | €     |
|----|----|-----|----------|-------|
| 17 | 50 | 120 | 107-2217 | 9,59  |
| 19 | 50 | 140 | 107-2219 | 9,59  |
| 22 | 50 | 162 | 107-2222 | 9,59  |
| 24 | 50 | 176 | 107-2224 | 10,44 |
| 27 | 50 | 200 | 107-2227 | 12,08 |
| 30 | 50 | 227 | 107-2230 | 14,52 |
| 32 | 50 | 243 | 107-2232 | 15,41 |



● PUNTAS TORX®

» 107-22 (T)

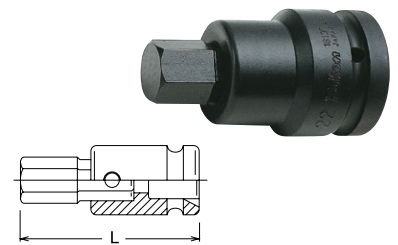
| TORX® | L  | ⚖️  | Ref        | €     |
|-------|----|-----|------------|-------|
| T70   | 60 | 125 | 107-22T70  | 23,39 |
| T80   | 60 | 141 | 107-22T80  | 22,88 |
| T90   | 60 | 155 | 107-22T90  | 22,98 |
| T100  | 60 | 170 | 107-22T100 | 23,14 |



● VASOS CON PUNTA HEXAGONAL

» 18107-22

| mm | L   | ⚖️    | Ref        | €     |
|----|-----|-------|------------|-------|
| 19 | 98  | 910   | 18107-2219 | 51,42 |
| 22 | 98  | 932   | 18107-2222 | 51,42 |
| 24 | 98  | 946   | 18107-2224 | 52,30 |
| 27 | 98  | 986   | 18107-2227 | 53,93 |
| 30 | 98  | 1.008 | 18107-2230 | 56,34 |
| 32 | 103 | 1.029 | 18107-2232 | 57,28 |



○ PORTA PUNTA

» 18760-175/-250/-330

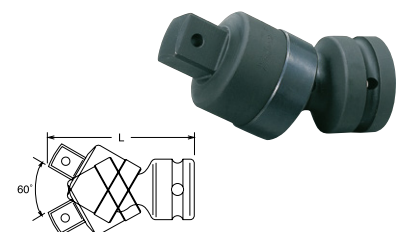
| Ref       | L   | ⚖️    | €     |
|-----------|-----|-------|-------|
| 18760-175 | 175 | 1.400 | 69,93 |
| 18760-200 | 200 | 1.580 | 83,45 |
| 18760-250 | 250 | 1.885 | 83,45 |
| 18760-330 | 330 | 2.380 | 98,11 |



ARTICULACIÓN UNIVERSAL

» 18770

| Ref   | L   | ⚖️    | €      |
|-------|-----|-------|--------|
| 18770 | 127 | 1.210 | 116,97 |

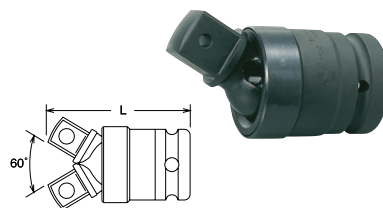


KOKEN IIIIII

ARTICULACIÓN UNIVERSAL

» 18771

| Ref   | L   | ⚖     | €      |
|-------|-----|-------|--------|
| 18771 | 115 | 1.210 | 117,02 |



ADAPTADOR

» 18866A-65/200

| Ref        | L    | ⚖     | €     |
|------------|------|-------|-------|
| 18866A-65  | 66,5 | 580   | 43,04 |
| 18866A-200 | 200  | 1.100 | 65,24 |

□1"x □3/4"



ADAPTADOR

» 18877A

| Ref    | L  | ⚖   | €     |
|--------|----|-----|-------|
| 18877A | 80 | 935 | 80,44 |

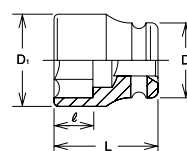
□1"x □1-1/2"



○ VASOS HEXAGONALES

» 17400M » 17400A

| mm  | pulgadas | D1  | D2  | ℓ  | L   | ⚖      | Ref Métrica | €       | Ref Pulgadas  | €        |
|-----|----------|-----|-----|----|-----|--------|-------------|---------|---------------|----------|
| 36  |          | 62  | 86  | 20 | 77  | 2.126  | 17400M36    | 116,86  |               |          |
| 41  | 1-5/8    | 68  | 86  | 22 | 80  | 2.346  | 17400M41    | 116,86  | 17400A1-5/8   | 116,86   |
| 42  |          | 70  | 86  | 22 | 80  | 2.330  | 17400M42    | 116,86  |               |          |
|     | 1-11/16  | 71  | 86  | 22 | 80  | 2.300  |             |         | 17400A1-11/16 | 116,86   |
|     | 1-3/4    | 73  | 86  | 22 | 80  | 2.290  |             |         | 17400A1-3/4   | 116,86   |
| 46  | 1-13/16  | 74  | 86  | 26 | 84  | 2.360  | 17400M46    | 116,86  | 17400A1-13/16 | 116,86   |
|     | 1-7/8    | 77  | 86  | 26 | 84  | 2.440  |             |         | 17400A1-7/8   | 119,31   |
| 50  | 1-15/16  | 79  | 86  | 27 | 84  | 2.400  | 17400M50    | 119,31  | 17400A1-15/16 | 119,31   |
|     | 2        | 80  | 86  | 27 | 84  | 2.420  |             |         | 17400A2       | 119,31   |
| 52  | 2-1/16   | 82  | 86  | 38 | 84  | 2.340  | 17400M52    | 119,31  | 17400A2-1/16  | 119,31   |
| 54  | 2-1/8    | 84  | 86  | 38 | 84  | 2.340  | 17400M54    | 119,31  | 17400A2-1/8   | 119,31   |
| 55  | 2-3/16   | 85  | 86  | 44 | 90  | 2.450  | 17400M55    | 119,31  | 17400A2-3/16  | 121,85   |
|     | 2-1/4    | 87  | 86  | 43 | 90  | 2.460  |             |         | 17400A2-1/4   | 133,20   |
| 58  | 2-5/16   | 88  | 86  | 44 | 90  | 2.510  | 17400M58    | 133,20  | 17400A2-5/16  | 133,20   |
| 60  | 2-3/8    | 91  | 86  | 43 | 90  | 2.640  | 17400M60    | 146,73  | 17400A2-3/8   | 177,79   |
|     | 2-7/16   | 93  | 86  | 47 | 95  | 2.860  |             |         | 17400A2-7/16  | 177,79   |
|     | 2-1/2    | 96  | 86  | 47 | 95  | 3.000  |             |         | 17400A2-1/2   | 178,64   |
| 65  | 2-9/16   | 97  | 86  | 48 | 95  | 3.050  | 17400M65    | 163,41  | 17400A2-9/16  | 187,43   |
|     | 2-5/8    | 100 | 86  | 51 | 100 | 3.300  |             |         | 17400A2-5/8   | 208,23   |
|     | 2-11/16  | 101 | 86  | 51 | 100 | 3.300  |             |         | 17400A2-11/16 | 208,23   |
| 70  | 2-3/4    | 103 | 86  | 52 | 100 | 3.350  | 17400M70    | 195,64  | 17400A2-3/4   | 232,43   |
|     | 2-13/16  | 105 | 86  | 55 | 105 | 3.670  |             |         | 17400A2-13/16 | 236,63   |
|     | 2-7/8    | 106 | 86  | 55 | 105 | 3.610  |             |         | 17400A2-7/8   | 256,93   |
| 75  | 2-15/16  | 108 | 86  | 56 | 105 | 3.700  | 17400M75    | 207,12  | 17400A2-15/16 | 269,25   |
|     | 3        | 108 | 86  | 55 | 105 | 3.680  |             |         | 17400A3       | 284,45   |
| 80  | 3-1/8    | 115 | 86  | 60 | 110 | 4.240  | 17400M80    | 242,63  | 17400A3-1/8   | 311,95   |
|     | 3-1/4    | 118 | 86  | 59 | 110 | 4.370  |             |         | 17400A3-1/4   | 321,32   |
| 85  |          | 122 | 86  | 60 | 110 | 4.550  | 17400M85    | 275,10  |               |          |
|     | 3-3/8    | 123 | 86  | 60 | 110 | 4.570  |             |         | 17400A3-3/8   | 348,87   |
| 90  | 3-1/2    | 128 | 86  | 60 | 112 | 4.840  | 17400M90    | 300,01  | 17400A3-1/2   | 383,78   |
|     | 3-5/8    | 132 | 86  | 52 | 112 | 5.500  |             |         | 17400A3-5/8   | 415,72   |
| 95  | 3-3/4    | 135 | 127 | 52 | 112 | 7.660  | 17400M95    | 385,45  | 17400A3-3/4   | 436,48   |
| 100 | 3-7/8    | 140 | 127 | 53 | 115 | 7.700  | 17400M100   | 431,70  | 17400A3-7/8   | 523,27   |
| 105 | 4        | 146 | 127 | 57 | 120 | 8.000  | 17400M105   | 489,47  | 17400A4       | 552,86   |
|     | 4-1/8    | 146 | 127 | 57 | 120 | 8.000  |             |         | 17400A4-1/8   | 552,86   |
| 110 | 4-1/4    | 153 | 127 | 60 | 124 | 9.200  | 17400M110   | 506,20  | 17400A4-1/4   | 698,76   |
| 115 | 4-1/2    | 160 | 127 | 62 | 128 | 10.700 | 17400M115   | 639,13  | 17400A4-1/2   | 658,44   |
| 120 | 4-5/8    | 166 | 127 | 64 | 132 | 11.200 | 17400M120   | 675,22  | 17400A4-5/8   | 714,65   |
|     | 4-3/4    | 168 | 127 | 64 | 132 | 11.200 |             |         | 17400A4-3/4   | 725,25   |
| 125 | 4-7/8    | 173 | 127 | 67 | 136 | 13.000 | 17400M125   | 751,44  | 17400A4-7/8   | 726,27   |
| 130 | 5        | 180 | 127 | 69 | 140 | 14.200 | 17400M130   | 791,81  | 17400A5       | 883,48   |
| 135 | 5-1/4    | 186 | 127 | 73 | 145 | 14.940 | 17400M135   | 959,20  | 17400A 5-1/4  | 937,52   |
| 140 |          | 190 | 127 | 76 | 150 | 15.600 | 17400M140   | 1192,40 |               |          |
| 150 |          | 200 | 127 | 83 | 160 | 16.500 | 17400M150   | 1670,79 |               |          |
|     | 6        | 205 | 127 | 88 | 165 | 16.500 |             |         | 17400A6       | 1.530,14 |
|     | 6-1/2    | 205 | 127 | 94 | 175 | 17.500 |             |         | 17400A6-1/2   | 1.813,28 |

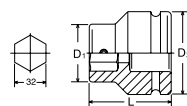


KOKEN IIIIII

○ PORTA PUNTA

» 17108

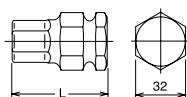
| Ref   | D1 | D2 | L  | ⚖     | €      |
|-------|----|----|----|-------|--------|
| 17108 | 60 | 86 | 85 | 2.200 | 217,59 |



● PUNTAS PARA TORNILLOS INHEX

» 107-32

| mm | L  | ⚖   | Ref       | €     |
|----|----|-----|-----------|-------|
| 19 | 60 | 300 | 107-32 19 | 22,73 |
| 22 | 60 | 320 | 107-32 22 | 22,73 |
| 24 | 60 | 330 | 107-32 24 | 22,73 |
| 27 | 60 | 360 | 107-32 27 | 22,73 |
| 30 | 60 | 390 | 107-32 30 | 22,73 |
| 32 | 60 | 410 | 107-32 32 | 22,73 |
| 36 | 60 | 460 | 107-32 36 | 27,87 |



□ 1-1/2" VASOS DE IMPACTO

ALARGADERAS

| Ref       | L   | ⚖     | €      |
|-----------|-----|-------|--------|
| 17760-175 | 175 | 3.300 | 382,06 |
| 17760-250 | 250 | 4.500 | 439,28 |
| 17760-330 | 330 | 5.200 | 488,65 |

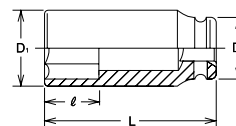
» 17760-175/-250/-330



○ VASOS HEXAGONALES LARGOS

| mm  | pulgadas | D1  | D2  | ℓ  | L   | ⚖      | Ref Métrica | €       | Ref Pulgadas  | €      |
|-----|----------|-----|-----|----|-----|--------|-------------|---------|---------------|--------|
| 36  |          | 63  | 86  | 26 | 115 | 2.800  | 17300M36    | 466,18  |               |        |
| 41  | 1-5/8    | 68  | 86  | 27 | 115 | 3.080  | 17300M41    | 466,18  | 17300A1-5/8   | 502,37 |
| 42  |          | 70  | 86  | 27 | 115 | 3.140  | 17300M42    | 466,19  |               |        |
|     | 1-11/16  | 71  | 86  | 27 | 115 | 3.180  |             |         | 17300A1-11/16 | 502,37 |
|     | 1-3/4    | 72  | 86  | 27 | 115 | 3.210  |             |         | 17300A1-3/4   | 502,37 |
| 46  |          | 74  | 86  | 28 | 125 | 3.440  | 17300M46    | 515,06  | 17300A1-13/16 | 555,02 |
|     | 1-7/8    | 77  | 86  | 28 | 125 | 3.550  |             |         | 17300A1-7/8   | 555,02 |
|     | 1-15/16  | 78  | 86  | 28 | 125 | 3.590  |             |         | 17300A1-15/16 | 583,16 |
| 50  |          | 79  | 86  | 30 | 135 | 3.840  | 17300M50    | 541,13  |               |        |
|     | 2        | 80  | 86  | 30 | 135 | 3.916  |             |         | 17300A2       | 587,58 |
|     | 2-1/16   | 82  | 86  | 30 | 135 | 4.030  |             |         | 17300A2-1/16  | 587,58 |
| 54  |          | 84  | 86  | 30 | 135 | 4.160  | 17300M54    | 545,25  | 17300A2-1/8   | 587,58 |
| 55  |          | 85  | 86  | 33 | 135 | 4.130  | 17300M55    | 545,25  |               |        |
|     | 2-3/16   | 86  | 86  | 33 | 135 | 4.200  |             |         | 17300A2-3/16  | 587,58 |
|     | 2-1/4    | 87  | 86  | 33 | 135 | 4.160  |             |         | 17300A2-1/4   | 587,58 |
| 60  |          | 91  | 86  | 35 | 135 | 4.370  | 17300M60    | 545,25  | 17300A2-3/8   | 587,58 |
|     | 2-7/16   | 93  | 86  | 35 | 135 | 4.490  |             |         | 17300A2-7/16  | 615,12 |
|     | 2-1/2    | 95  | 86  | 35 | 135 | 4.630  |             |         | 17300A2-1/2   | 615,12 |
| 65  |          | 97  | 86  | 38 | 145 | 5.260  | 17300M65    | 583,90  | 17300A2-9/16  | 629,22 |
|     | 2-5/8    | 98  | 86  | 38 | 145 | 5.320  |             |         | 17300A2-5/8   | 629,22 |
|     | 2-11/16  | 101 | 86  | 38 | 145 | 5.670  |             |         | 17300A2-11/16 | 629,22 |
| 70  |          | 103 | 86  | 40 | 145 | 5.780  | 17300M70    | 627,71  | 17300A2-3/4   | 676,45 |
|     | 2-13/16  | 105 | 86  | 40 | 145 | 6.000  |             |         | 17300A2-13/16 | 676,45 |
|     | 2-7/8    | 106 | 86  | 40 | 145 | 6.080  |             |         | 17300A2-7/8   | 676,45 |
| 75  |          | 108 | 86  | 42 | 155 | 6.580  | 17300M75    | 675,50  | 17300A2-15/16 | 727,92 |
|     | 3        | 110 | 86  | 42 | 155 | 5.850  |             |         | 17300A3       | 727,92 |
| 80  |          | 115 | 86  | 46 | 165 | 7.740  | 17300M80    | 705,84  | 17300A3-1/8   | 760,65 |
| 85  |          | 122 | 86  | 49 | 165 | 7.420  | 17300M85    | 752,33  |               |        |
| 90  |          | 128 | 86  | 52 | 175 | 9.630  | 17300M90    | 775,73  |               |        |
| 95  |          | 135 | 127 | 55 | 175 | 10.450 | 17300M95    | 815,82  | 17300A3-3/4   | 818,84 |
|     | 3-7/8    | 139 | 127 | 56 | 175 | 11.080 |             |         | 17300A3-7/8   | 879,16 |
| 100 |          | 140 | 127 | 58 | 185 | 9.740  | 17300M100   | 885,09  |               |        |
| 105 |          | 146 | 127 | 62 | 195 | 10.850 | 17300M105   | 914,18  |               |        |
| 110 |          | 153 | 127 | 65 | 195 | 11.500 | 17300M110   | 963,16  |               |        |
| 115 |          | 160 | 127 | 68 | 195 | 12.160 | 17300M115   | 1013,42 |               |        |
| 120 |          | 166 | 127 | 72 | 205 | 13.680 | 17300M120   | 1049,14 |               |        |
| 125 |          | 173 | 127 | 74 | 205 | 14.450 | 17300M125   | 1237,91 |               |        |
| 130 |          | 180 | 127 | 76 | 205 | 15.190 | 17300M130   | 1251,33 |               |        |

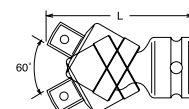
» 17300M » 17300A



ARTICULACIÓN UNIVERSAL

| Ref   | L   | ⚖     | €      |
|-------|-----|-------|--------|
| 17770 | 200 | 4.700 | 970,26 |

» 17770



ADAPTADORES

| Ref    | L   | ⚖     | €        |
|--------|-----|-------|----------|
| 17788A | 98  | 2.600 | 198,97   |
| 17799A | 115 | 3.790 | 1.002,54 |

» 17788A » 17799A

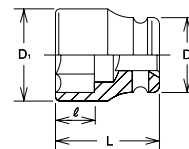
□ 1-1/2" x 1"  
□ 1-1/2" x 2-1/2"



» 19400M » 19400A

○ VASOS HEXAGONALES

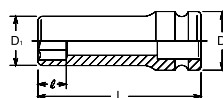
| mm  | pulgadas | D1  | D2  | ℓ   | L   | ⚖      | Ref Métrica      | €               | Ref Pulgadas  | €        |
|-----|----------|-----|-----|-----|-----|--------|------------------|-----------------|---------------|----------|
| 50  |          | 88  | 127 | 39  | 115 | 7.270  | <b>19400M50</b>  | <b>636,10</b>   |               |          |
|     | 2-1/8    | 92  | 127 | 41  | 115 | 6.665  |                  |                 | 19400A2-1/8   | 660,22   |
| 55  |          | 94  | 127 | 42  | 115 | 7.350  | <b>19400M55</b>  | <b>660,23</b>   |               |          |
| 60  | 2-3/8    | 100 | 127 | 45  | 125 | 7.870  | <b>19400M60</b>  | <b>660,23</b>   | 19400A2-3/8   | 660,22   |
|     | 2-7/16   | 102 | 127 | 46  | 125 | 7.840  |                  |                 | 19400A2-7/16  | 672,26   |
|     | 2-1/2    | 103 | 127 | 47  | 125 | 7.810  |                  |                 | 19400A2-1/2   | 672,26   |
| 65  | 2-9/16   | 105 | 127 | 48  | 125 | 7.790  | <b>19400M65</b>  | <b>671,36</b>   | 19400A2-9/16  | 672,26   |
|     | 2-5/8    | 107 | 127 | 49  | 125 | 7.790  |                  |                 | 19400A2-5/8   | 672,26   |
|     | 2-11/16  | 108 | 127 | 50  | 125 | 7.790  |                  |                 | 19400A2-11/16 | 672,26   |
| 70  | 2-3/4    | 110 | 127 | 51  | 125 | 7.640  | <b>19400M70</b>  | <b>671,36</b>   | 19400A2-3/4   | 672,26   |
|     | 2-13/16  | 113 | 127 | 52  | 125 | 4.690  |                  |                 | 19400A2-13/16 | 672,26   |
|     | 2-7/8    | 115 | 127 | 53  | 125 | 7.730  |                  |                 | 19400A2-7/8   | 672,26   |
| 75  | 2-15/16  | 118 | 127 | 54  | 125 | 7.740  | <b>19400M75</b>  | <b>671,36</b>   | 19400A2-15/16 | 672,26   |
|     | 3        | 120 | 127 | 55  | 125 | 7.740  |                  |                 | 19400A3       | 672,26   |
| 80  | 3-1/8    | 124 | 127 | 57  | 125 | 7.640  | <b>19400M80</b>  | <b>671,36</b>   | 19400A3-1/8   | 672,26   |
|     | 3-1/4    | 125 | 127 | 59  | 125 | 7.740  |                  |                 | 19400A3-1/4   | 726,53   |
| 85  | 3-3/8    | 127 | 127 | 61  | 132 | 7.840  | <b>19400M85</b>  | <b>726,53</b>   | 19400A3-3/8   | 795,89   |
| 90  | 3-1/2    | 135 | 127 | 64  | 132 | 8.500  | <b>19400M90</b>  | <b>795,89</b>   | 19400A3-1/2   | 795,89   |
|     | 3-5/8    | 138 | 127 | 64  | 132 | 9.330  |                  |                 | 19400A3-5/8   | 795,89   |
| 95  | 3-3/4    | 140 | 127 | 71  | 140 | 10.160 | <b>19400M95</b>  | <b>847,14</b>   | 19400A3-3/4   | 851,29   |
|     | 3-7/8    | 143 | 127 | 70  | 140 | 10.830 |                  |                 | 19400A3-7/8   | 1.043,08 |
| 100 | 4        | 146 | 127 | 71  | 142 | 11.500 | <b>19400M100</b> | <b>1.043,09</b> | 19400A4       | 1.048,53 |
|     | 4-1/8    | 155 | 127 | 70  | 142 | 11.250 |                  |                 | 19400A4-1/8   | 1.048,53 |
| 105 |          | 155 | 127 | 74  | 146 | 11.350 | <b>19400M105</b> | <b>1.053,67</b> |               |          |
| 110 | 4-1/4    | 160 | 127 | 76  | 155 | 12.710 | <b>19400M110</b> | <b>1.075,99</b> | 19400A4-1/4   | 1.075,99 |
|     | 4-3/8    | 163 | 127 | 76  | 155 | 13.100 |                  |                 | 19400A4-3/8   | 1.187,29 |
| 115 | 4-1/2    | 167 | 127 | 78  | 158 | 13.980 | <b>19400M115</b> | <b>1.187,29</b> | 19400A4-1/2   | 1.187,29 |
| 120 | 4-5/8    | 175 | 175 | 79  | 160 | 15.430 | <b>19400M120</b> | <b>1.351,60</b> | 19400A4-5/8   | 1.187,29 |
| 125 | 4-7/8    | 180 | 175 | 82  | 165 | 16.590 | <b>19400M125</b> | <b>1.395,33</b> | 19400A4-7/8   | 1.351,60 |
|     | 5        | 183 | 175 | 81  | 165 | 17.090 |                  |                 | 19400A5       | 1.395,33 |
| 130 |          | 185 | 175 | 85  | 169 | 17.590 | <b>19400M130</b> | <b>1.661,65</b> |               |          |
| 135 | 5-1/4    | 190 | 175 | 89  | 175 | 19.030 | <b>19400M135</b> | <b>1.661,65</b> | 19400A5-1/4   | 1.661,65 |
|     | 5-3/8    | 198 | 175 | 94  | 180 | 20.880 |                  |                 | 19400A5-3/8   | 1.685,53 |
| 140 | 5-1/2    | 200 | 175 | 93  | 180 | 21.810 | <b>19400M140</b> | <b>1.685,53</b> | 19400A5-1/2   | 1.685,53 |
|     | 5-5/8    | 203 | 175 | 94  | 182 | 22.480 |                  |                 | 19400A5-5/8   | 1.685,53 |
| 145 |          | 205 | 175 | 95  | 183 | 23.610 | <b>19400M145</b> | <b>1.999,93</b> |               |          |
|     | 5-3/4    | 207 | 175 | 103 | 192 | 24.440 |                  |                 | 19400A5-3/4   | 1.685,53 |
| 150 |          | 210 | 175 | 97  | 192 | 25.720 | <b>19400M150</b> | <b>2.146,44</b> |               |          |
|     | 6        | 217 | 175 | 100 | 196 | 28.510 |                  |                 | 19400A6       | 2.146,44 |
|     | 6-1/8    | 218 | 175 | 99  | 196 | 29.720 |                  |                 | 19400A6-1/8   | 2.146,44 |
| 160 |          | 225 | 175 | 102 | 200 | 30.920 | <b>19400M160</b> | <b>2.484,33</b> |               |          |
| 165 |          | 230 | 175 | 105 | 204 | 32.610 | <b>19400M165</b> | <b>2.484,33</b> |               |          |
|     | 6-5/8    | 233 | 175 | 105 | 205 | 33.500 |                  |                 | 19400A6-5/8   | 2.830,14 |
| 170 |          | 235 | 175 | 106 | 207 | 34.390 | <b>19400M170</b> | <b>2.830,14</b> |               |          |
| 175 |          | 240 | 175 | 109 | 211 | 36.210 | <b>19400M175</b> | <b>3.386,64</b> |               |          |
|     | 7        | 248 | 175 | 110 | 213 | 39.160 |                  |                 | 19400A7       | 3.482,01 |
| 180 |          | 250 | 175 | 110 | 214 | 40.630 | <b>19400M180</b> | <b>3.482,01</b> |               |          |
| 185 |          | 255 | 175 | 113 | 218 | 42.690 | <b>19400M185</b> | <b>3.799,98</b> |               |          |
| 190 |          | 265 | 175 | 113 | 220 | 47.440 | <b>19400M190</b> | <b>4.022,59</b> |               |          |
| 200 |          | 275 | 175 | 116 | 225 | 51.550 | <b>19400M200</b> | <b>4.626,80</b> |               |          |
| 210 |          | 285 | 175 | 123 | 235 | 57.170 | <b>19400M210</b> | <b>5.151,47</b> |               |          |
| 215 |          | 290 | 175 | 126 | 240 | 60.260 | <b>19400M215</b> | <b>5.961,72</b> |               |          |
| 225 |          | 305 | 175 | 133 | 250 | 70.180 | <b>19400M225</b> | <b>5.961,72</b> |               |          |
| 235 |          | 315 | 175 | 140 | 260 | 77.060 | <b>19400M235</b> | <b>6.756,63</b> |               |          |



○ VASOS HEXAGONALES LARGOS

| mm  | D1  | D2  | ℓ   | L   | ⚖️     | Ref       | €        |
|-----|-----|-----|-----|-----|--------|-----------|----------|
| 75  | 118 | 127 | 42  | 190 | 11.930 | 19300M75  | 969,63   |
| 80  | 124 | 127 | 46  | 190 | 12.280 | 19300M80  | 969,63   |
| 85  | 127 | 127 | 49  | 195 | 12.480 | 19300M85  | 969,63   |
| 90  | 135 | 127 | 52  | 205 | 14.000 | 19300M90  | 1.064,87 |
| 95  | 140 | 127 | 55  | 210 | 14.630 | 19300M95  | 1.192,00 |
| 100 | 146 | 127 | 58  | 215 | 15.520 | 19300M100 | 1.192,00 |
| 105 | 155 | 127 | 62  | 220 | 18.250 | 19300M105 | 1.350,97 |
| 110 | 160 | 127 | 65  | 225 | 18.740 | 19300M110 | 1.509,92 |
| 115 | 167 | 127 | 68  | 230 | 20.940 | 19300M115 | 1.509,92 |
| 120 | 175 | 175 | 72  | 235 | 23.530 | 19300M120 | 1.811,68 |
| 125 | 180 | 175 | 74  | 238 | 26.110 | 19300M125 | 1.954,72 |
| 130 | 185 | 175 | 76  | 243 | 25.320 | 19300M130 | 1.954,72 |
| 135 | 190 | 175 | 80  | 248 | 26.290 | 19300M135 | 1.912,21 |
| 140 | 200 | 175 | 82  | 248 | 28.940 | 19300M140 | 1.999,93 |
| 145 | 205 | 175 | 84  | 248 | 29.520 | 19300M145 | 1.999,93 |
| 150 | 210 | 175 | 88  | 255 | 30.600 | 19300M150 | 2.797,06 |
| 155 | 215 | 175 | 92  | 255 | 31.680 | 19300M155 | 2.797,06 |
| 160 | 225 | 175 | 95  | 260 | 35.560 | 19300M160 | 3.098,99 |
| 165 | 230 | 175 | 98  | 260 | 36.040 | 19300M65  | 3.178,42 |
| 170 | 235 | 175 | 100 | 265 | 37.230 | 19300M170 | 3.591,66 |
| 175 | 240 | 175 | 102 | 270 | 39.420 | 19300M175 | 4.227,32 |

» 19300M



ALARGADERAS

| Ref       | L   | ⚖️     | €        |
|-----------|-----|--------|----------|
| 19760-250 | 250 | 17.800 | 1.594,28 |
| 19760-500 | 500 | 27.800 | 1.902,57 |

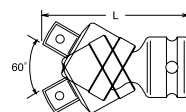
» 19760-250/-500



ARTICULACIÓN UNIVERSAL

| Ref   | L   | ⚖️     | €       |
|-------|-----|--------|---------|
| 19770 | 303 | 21.360 | 2446,79 |

» 19770



ADAPTADORES

| Ref    | L   | ⚖️    | €       |
|--------|-----|-------|---------|
| 19977A | 145 | 7.210 | 1153,14 |

» 19977A



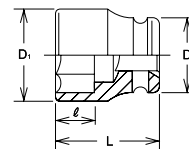
□ 2-1/2" x ▢ 1-1/2"



» 10400M » 10400A

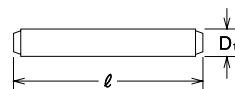
○ VASOS HEXAGONALES

| mm  | pulgadas | D1  | D2  | ℓ   | L   | ⚖      | Ref Métrica | €        | Ref Pulgadas | €        |
|-----|----------|-----|-----|-----|-----|--------|-------------|----------|--------------|----------|
| 105 | 4-1/8    | 165 | 175 | 86  | 176 | 19.370 | 10400M105   | 1.973,37 | 10400A4-1/8  | 1.972,43 |
|     | 4-1/4    | 168 | 175 | 87  | 178 | 19.770 |             |          | 10400A4-1/4  | 1.972,43 |
| 110 |          | 170 | 175 | 88  | 179 | 20.160 | 10400M110   | 1.973,37 |              |          |
|     | 4-3/8    | 172 | 175 | 88  | 180 | 20.660 |             |          | 10400A4-3/8  | 2.027,88 |
|     | 4-1/2    | 175 | 175 | 89  | 182 | 21.160 |             |          | 10400A4-1/2  | 2.027,88 |
| 115 |          | 175 | 175 | 90  | 183 | 21.160 | 10400M115   | 2.028,82 |              |          |
|     | 4-5/8    | 178 | 175 | 90  | 183 | 21.550 |             |          | 10400A4-5/8  | 2.190,68 |
| 120 | 4-3/4    | 180 | 175 | 91  | 185 | 21.930 | 10400M120   | 2.191,69 | 10400A4-3/4  | 2.190,68 |
| 125 | 4-7/8    | 188 | 175 | 94  | 190 | 23.940 | 10400M125   | 2.191,69 | 10400A4-7/8  | 2.190,68 |
|     | 5        | 188 | 175 | 95  | 191 | 24.500 |             |          | 10400A5      | 2.190,68 |
| 130 | 5-1/8    | 193 | 175 | 97  | 194 | 25.050 | 10400M130   | 2.191,69 | 10400A5-1/8  | 2.190,68 |
|     | 5-1/4    | 197 | 175 | 100 | 198 | 25.990 |             |          | 10400A5-1/4  | 2.190,68 |
| 135 |          | 200 | 175 | 101 | 199 | 26.930 | 10400M135   | 2.739,62 |              |          |
|     | 5-3/8    | 201 | 175 | 102 | 202 | 27.750 |             |          | 10400A5-3/8  | 2.738,34 |
| 140 | 5-1/2    | 205 | 175 | 105 | 205 | 28.560 | 10400M140   | 2.915,72 | 10400A5-1/2  | 2.914,38 |
| 145 |          | 210 | 200 | 106 | 207 | 29.600 | 10400M145   | 3.150,58 |              |          |
|     | 5-5/8    | 208 | 200 | 106 | 208 | 30.110 |             |          | 10400A5-5/8  | 3.149,12 |
|     | 5-3/4    | 212 | 200 | 108 | 210 | 30.610 |             |          | 10400A5-3/4  | 3.149,12 |
| 150 | 5-7/8    | 215 | 200 | 109 | 212 | 31.240 | 10400M150   | 3.150,58 | 10400A5-7/8  | 3.149,12 |
|     | 6        | 219 | 200 | 110 | 214 | 32.460 |             |          | 10400A6      | 3.364,25 |
| 155 | 6-1/8    | 223 | 200 | 112 | 216 | 33.670 |             |          | 10400A6-1/8  | 3.364,25 |
|     | 6-1/4    | 227 | 200 | 114 | 218 | 34.590 |             |          | 10400A6-1/4  | 3.735,90 |
| 160 |          | 228 | 200 | 114 | 220 | 35.500 | 10400M160   | 3.737,62 |              |          |
|     | 6-3/8    | 231 | 200 | 115 | 221 | 36.720 |             |          | 10400A6-3/8  | 3.735,90 |
| 165 | 6-1/2    | 235 | 200 | 117 | 224 | 37.940 | 10400M165   | 3.737,62 | 10400A6-1/2  | 3.735,90 |
|     | 6-5/8    | 238 | 200 | 118 | 226 | 38.800 |             |          | 10400A6-5/8  | 4.322,70 |
| 170 |          | 240 | 200 | 118 | 227 | 39.660 | 10400M170   | 4.324,72 |              |          |
|     | 6-3/4    | 241 | 200 | 119 | 228 | 39.870 |             |          | 10400A6-3/4  | 4.322,70 |
|     | 6-7/8    | 245 | 200 | 120 | 230 | 40.640 |             |          | 10400A6-7/8  | 4.322,70 |
| 175 |          | 245 | 200 | 121 | 231 | 41.400 | 10400M175   | 4.324,72 |              |          |
|     | 7        | 251 | 200 | 121 | 232 | 43.570 |             |          | 10400A7      | 5.124,61 |
| 180 |          | 255 | 200 | 122 | 234 | 45.740 | 10400M180   | 5.127,00 |              |          |
|     | 7-1/8    | 257 | 200 | 122 | 234 | 46.450 |             |          | 10400A7-1/8  | 5.124,61 |
|     | 7-1/4    | 263 | 200 | 123 | 236 | 48.400 |             |          | 10400A7-1/4  | 5.124,61 |
| 185 |          | 265 | 200 | 125 | 238 | 50.350 | 10400M185   | 5.127,00 |              |          |
|     | 7-3/8    | 269 | 200 | 124 | 238 | 52.500 |             |          | 10400A7-3/8  | 5.417,99 |
| 190 |          | 275 | 200 | 125 | 239 | 54.650 | 10400M190   | 5.420,51 |              |          |
|     | 7-1/2    | 275 | 200 | 125 | 240 | 55.350 |             |          | 10400A7-1/2  | 5.417,99 |
|     | 7-5/8    | 278 | 200 | 127 | 242 | 56.050 |             |          | 10400A7-5/8  | 5.417,99 |
|     | 7-3/4    | 282 | 200 | 129 | 245 | 57.620 |             |          | 10400A7-3/4  | 5.867,90 |
| 200 |          | 285 | 200 | 128 | 245 | 59.190 | 10400M200   | 5.870,62 |              |          |
|     | 7-7/8    | 285 | 200 | 130 | 248 | 60.870 |             |          | 10400A7-7/8  | 5.867,90 |
|     | 8        | 290 | 200 | 132 | 250 | 62.550 |             |          | 10400A8      | 5.867,90 |
|     | 8-1/8    | 293 | 200 | 133 | 251 | 63.760 |             |          | 10400A8-1/8  | 7.040,40 |
|     | 8-1/4    | 295 | 200 | 135 | 255 | 64.970 | 10400M210   | 7.044,02 | 10400A8-1/4  | 7.040,40 |
| 210 | 8-3/8    | 298 | 200 | 136 | 258 | 65.580 |             |          | 10400A8-3/8  | 7.040,40 |
|     | 8-1/2    | 300 | 200 | 138 | 260 | 68.150 | 10400M215   | 8.413,70 | 10400A8-1/2  | 8.409,80 |
| 215 | 8-5/8    | 305 | 200 | 139 | 262 | 70.760 |             |          | 10400A8-5/8  | 8.409,80 |
|     | 8-3/4    | 310 | 200 | 140 | 264 | 73.830 |             |          | 10400A8-3/4  | 8.409,80 |
|     | 8-7/8    | 313 | 200 | 142 | 267 | 75.780 |             |          | 10400A8-7/8  | 8.409,80 |



PASADOR

| Ref   | ☒      | Apertura | D1  | ℓ    | €    |
|-------|--------|----------|-----|------|------|
| 1200A | 1/4"   |          | 1,5 | 10,2 | 0,44 |
| 1301A | 3/8"   | ≅ 12     | 2,5 | 14,5 | 0,44 |
| 1302A | 3/8"   | > 12     | 2,5 | 17,5 | 0,44 |
| 1401A | 1/2"   | ≅ 14     | 3,5 | 20   | 0,74 |
| 1402A | 1/2"   | > 14     | 3,5 | 25   | 0,74 |
| 1500A | 5/8"   |          | 4   | 29   | 0,74 |
| 1601A | 3/4"   | ≅ 46     | 5,5 | 35   | 0,74 |
| 1602A | 3/4"   | > 46     | 5,5 | 45   | 0,90 |
| 1801A | 1"     | ≅ 70     | 6   | 45   | 0,90 |
| 1802A | 1"     | > 70     | 6   | 75   | 1,73 |
| 1701A | 1-1/2" | ≅ 90     | 7   | 75   | 1,73 |
| 1702A | 1-1/2" | > 90     | 7   | 110  | 3,78 |
| 1901A | 2-1/2" | ≅ 115    | 9   | 110  | 3,78 |
| 1902A | 2-1/2" | > 115    | 9   | 155  | 4,49 |
| 2001A | 3-1/2" | ≅ 140    | 13  | 155  | 5,81 |
| 2002A | 3-1/2" | > 140    | 13  | 180  | 5,81 |



JUNTA TÓRICA

| Ref   | ☒      | Apertura | D1   | D2  | €     |
|-------|--------|----------|------|-----|-------|
| 1200B | 1/4"   |          | 2,5  | 9   | 0,74  |
| 1301B | 3/8"   | ≅ 12     | 3,5  | 13  | 0,74  |
| 1302B | 3/8"   | > 12     | 3,5  | 16  | 0,74  |
| 1401B | 1/2"   | ≅ 14     | 4    | 19  | 0,90  |
| 1402B | 1/2"   | > 14     | 4    | 24  | 0,90  |
| 1500B | 5/8"   |          | 4,5  | 28  | 0,90  |
| 1601B | 3/4"   | ≅ 46     | 5    | 36  | 1,30  |
| 1602B | 3/4"   | > 46     | 5    | 45  | 1,73  |
| 1801B | 1"     | ≅ 70     | 7    | 45  | 1,73  |
| 1802B | 1"     | > 70     | 7    | 75  | 7,25  |
| 1701B | 1-1/2" | ≅ 90     | 10   | 75  | 7,25  |
| 1702B | 1-1/2" | > 90     | 10   | 114 | 18,47 |
| 1901B | 2-1/2" | ≅ 115    | 10,5 | 114 | 18,47 |
| 1902B | 2-1/2" | > 115    | 10,5 | 158 | 25,17 |
| 2001B | 3-1/2" | ≅ 140    | 15   | 158 | 45,04 |
| 2002B | 3-1/2" | > 140    | 15   | 183 | 59,27 |



**ARO DE SUJECIÓN EN C**

| Ref   | □      | Apertura | €    |
|-------|--------|----------|------|
| 1301C | 3/8"   | ≅ 12     | 0,90 |
| 1302C | 3/8"   | > 12     | 0,90 |
| 1401C | 1/2"   | ≅ 14     | 1,12 |
| 1402C | 1/2"   | > 14     | 1,12 |
| 1600C | 3/4"   | > 46     | 1,94 |
| 1801C | 1"     | ≅ 70     | 2,10 |
| 1802C | 1"     | > 70     | 6,38 |
| 1700C | 1-1/2" | ≅ 90     | 7,14 |

Aro de acero elástico de una pieza. Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo y seguro que la combinación de pasador y junta tórica.



**EXTRACTOR**

| Ref | □         | €    |
|-----|-----------|------|
| 149 | 3/8" 1/2" | 1,57 |
| 152 | 3/4" 1"   | 1,72 |



KOKEN IIIIII

**ARO DE SUJECIÓN EN C**

| Ref     | □    | Apertura | + | Extractor | €     |
|---------|------|----------|---|-----------|-------|
| PK1301C | 3/8" | ≅ 12     | + | 149       | 13,80 |
| PK1302C | 3/8" | > 12     | + | 149       | 13,80 |
| PK1401C | 1/2" | ≅ 14     | + | 149       | 17,28 |
| PK1402C | 1/2" | > 14     | + | 149       | 17,28 |
| PK1600C | 3/4" | > 46     | + | 152       | 26,59 |
| PK1801C | 1"   | ≅ 70     | + | 152       | 27,04 |

Aro de acero elástico de una pieza. Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo y seguro que la combinación de pasador y junta tórica.

