

Elementos de fijación y de seguridad

Manguitos de fijación
Manguitos de desmontaje
Tuercas estriadas
Tuercas para ejes
Chapas de seguridad
Grapas de seguridad

Elementos de fijación y de seguridad

| | Página |
|--|--|
| Vista general de los productos | Elementos de fijación y de seguridad 1452 |
| Características | Manguitos de fijación 1453 |
| | Manguitos de desmontaje 1454 |
| | Tuercas estriadas 1454 |
| | Tuercas para ejes 1455 |
| | Chapas de seguridad 1456 |
| | Grapas de seguridad 1456 |
| | Sufijos 1456 |
| Instrucciones de diseño y seguridad | Tolerancias del eje..... 1457 |
| Precisión | Manguitos de fijación 1457 |
| | Manguitos de desmontaje 1457 |
| | Tuercas estriadas y tuercas para ejes 1457 |
| Tablas de medidas | Manguitos de fijación 1458 |
| | Manguitos de desmontaje 1472 |
| | Tuercas estriadas 1496 |
| | Tuercas para ejes 1500 |
| | Chapas de seguridad 1502 |
| | Grapas de seguridad 1504 |



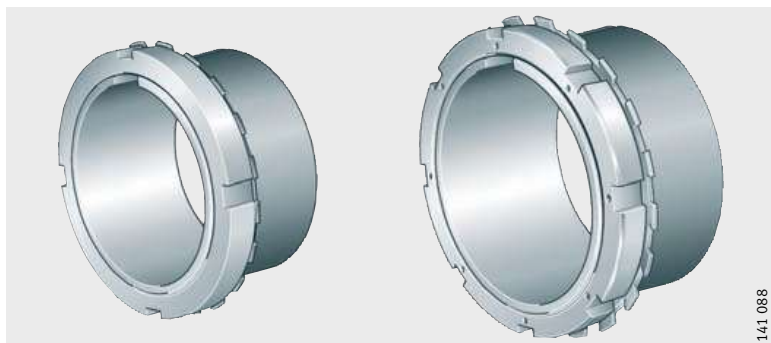
Vista general de los productos

Elementos de fijación y de seguridad

Manguitos de fijación

con tuerca estriada y
chapa de seguridad,
conicidad 1:12 ó 1:30

H2, H3, H23, H30, H31, H32, H33, H39, H240, H241



141 088

Manguitos de desmontaje

conicidad 1:12 ó 1:30

AH2, AH(X)3, AH22, AH(X)23, AH(X)30, AH(X)31, AH(X)32,
AH33, AH39, AH240, AH241



141 075a

Tuercas estriadas Tuercas para ejes

KM, KML, HM, HM30, HM31



0001 0444

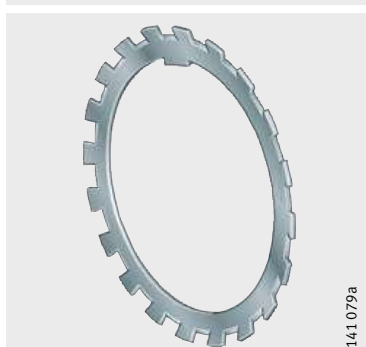
HMZ, HMZ30



0001 0443

Chapa de seguridad Grapa de seguridad con tornillo

MB, MBL



141 079a

MS30, MS31



141 080a

Elementos de fijación y de seguridad

Características

Para la fijación de los rodamientos con agujero cónico sobre un eje cilíndrico, son adecuados los manguitos de fijación o de desmontaje, muy fáciles de montar y fiables en su operación.

Los rodamientos se fijan mediante tuercas estriadas sobre los ejes o sobre los manguitos de fijación. Las chapas de seguridad y las grapas de seguridad se utilizan para evitar un aflojamiento imprevisto de las tuercas estriadas. La seguridad de la tuerca para ejes se obtiene mediante apriete de la misma.

Manguitos de fijación para ejes lisos y escalonados

Los manguitos de fijación son adecuados cuando se montan rodamientos con agujero cónico sobre ejes cilíndricos. No requieren ninguna otra fijación adicional sobre el eje. Sobre ejes lisos, los rodamientos se pueden posicionar en cualquier punto.

Si para ejes escalonados se utilizan manguitos de fijación con un anillo incorporado, los rodamientos se pueden fijar con gran precisión axial. Además, ello facilita el desmontaje de los rodamientos.

Los manguitos de fijación se componen de casquillos de acero ranurados, tuercas estriadas y chapas de seguridad. Para mayores dimensiones, en lugar de las chapas de seguridad se montan grapas de seguridad.

La resistencia a la tracción del material es, como mínimo, 430 N/mm^2 . La superficie envolvente de los manguitos tiene una conicidad 1:12, y para las series H240 y H241 la conicidad es 1:30.

Los manguitos de fijación para ejes métricos vienen indicados en las tablas de medidas. Los manguitos para ejes con medidas en pulgadas están disponibles bajo consulta.

Para procedimientos hidráulicos

El montaje y el desmontaje de grandes rodamientos requiere elevadas fuerzas de montaje y, para ello, se dispone del procedimiento hidráulico. Para este procedimiento, existen manguitos de fijación con ranuras para la alimentación de aceite en la superficie envolvente cónica y conexiones para la bomba en el lado de la rosca. Estos manguitos de fijación tienen el sufijo HG. Las roscas para la conexión de la bomba vienen indicadas en las tablas de medidas.



Elementos de fijación y de seguridad

Manguitos de desmontaje

Los manguitos de desmontaje son adecuados cuando se montan rodamientos con agujero cónico sobre ejes cilíndricos. El manguito cónico se monta a prensa en el agujero del rodamiento, hasta alcanzar la reducción del juego radial requerida. En este proceso, el rodamiento debe apoyarse, por ejemplo, contra un resalte en el eje.

Los elementos de seguridad no están incluidos en el suministro.

La resistencia a la tracción del material es, como mínimo, 430 N/mm^2 .

La superficie envolvente de los manguitos ranurados tiene una conicidad 1:12, y para las series AH240 y AH241 la conicidad es 1:30.

Para procedimientos hidráulicos

El montaje y el desmontaje de grandes rodamientos requiere elevadas fuerzas de montaje y, para ello, se dispone del procedimiento hidráulico. Para este procedimiento, existen manguitos de desmontaje con ranuras para la alimentación de aceite en la superficie envolvente cónica, y conexiones para la bomba desfasadas 90° entre sí. Estos manguitos de desmontaje tienen el sufijo H. Las roscas para la conexión de la bomba vienen indicadas en las tablas de medidas.

Tuercas estriadas

Los rodamientos se fijan mediante tuercas estriadas sobre los ejes o sobre los manguitos de fijación. Al mismo tiempo, facilitan el montaje de los rodamientos con asiento cónico en el eje, así como el montaje y el desmontaje de los rodamientos ajustados en manguitos de desmontaje.

Las tuercas estriadas son de acero y la resistencia a la tracción del material es, como mínimo, 350 N/mm^2 .

En la periferia hay cuatro u ocho ranuras, distribuidas uniformemente, en las cuales se pueden aplicar llaves de gancho.

Bajo consulta, se pueden suministrar tuercas estriadas de las series HM30..-H y HM31..-H con agujeros roscados para tornillos de montaje.

Las tuercas estriadas de precisión están descritas en el capítulo Rodamientos para husillos roscados.

Tuercas para ejes

Las tuercas para ejes HMZ permiten una fijación axial segura y precisa de los rodamientos sobre ejes cilíndricos y cónicos o sobre manguitos de fijación.

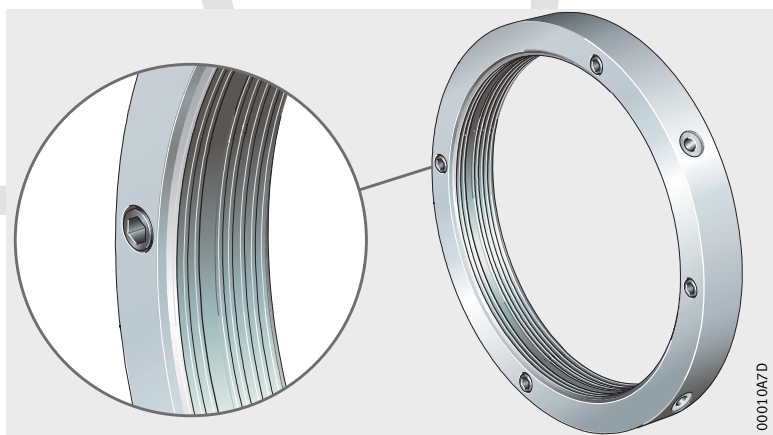
Las tuercas para ejes son de acero y la resistencia a la tracción es, como mínimo, 350 N/mm^2 .

Las tuercas HMZ son intercambiables con las tuercas convencionales HM y KM. Su seguridad se realiza no mediante chapas o grapas de seguridad, sino a través de la fuerza de apriete. Cuatro u ocho tornillos axiales de bloqueo aportan una tensión uniforme en toda su periferia, *figura 1*.

Para el atornillado sobre la rosca del eje, en la periferia de la tuerca hay cuatro u ocho agujeros roscados, en los que se pueden disponer tornillos prisioneros. Han sido suprimidas las ranuras en el diámetro exterior de la tuerca, así como los elementos de seguridad. Puesto que el eje no dispone de ninguna ranura de retención, tiene una elevada rigidez y puede ser fabricado de forma más económica.

Las tuercas para ejes HMZ se describen en la publicación TPI WL 91-8.

Figura 1
Tornillos de bloqueo
para la obtención de un fuerte
apriete entre la tuerca y
la rosca del eje



00010A7D



Elementos de fijación y de seguridad

Chapas de seguridad

Las chapas de seguridad MB y MBL son elementos sencillos y fiables para asegurar tuercas estriadas pequeñas y medianas (tuercas de las series KM y KML).

Tienen una lengüeta interior y varias lengüetas exteriores distribuidas uniformemente en la periferia. La lengüeta interior encaja en la ranura del manguito de fijación o del eje y una de las lengüetas exteriores se curva en una de las ranuras de la tuerca estriada, a modo de seguro.

Las chapas son de acero y la resistencia a la tracción del material es, como mínimo, 300 N/mm².

Grapas de seguridad

Las grapas de seguridad de la serie MS se fijan en la tuerca estriada mediante un tornillo hexagonal. Encajan en una ranura de la tuerca y en el manguito de fijación o en el eje.

El tornillo de fijación tiene, hasta M16 una rosca autoblocante y, a partir de M20 se utiliza un tornillo hexagonal normalizado con elemento de seguridad.

Las grapas de seguridad se utilizan con las tuercas estriadas de las series HM30 y HM31.

Sufijos

Sufijos de las ejecuciones suministrables ver tabla.

Ejecuciones suministrables

| Sufijo | Descripción | Ejecución |
|--------|-----------------------------------|-----------|
| H | Manguito de desmontaje hidráulico | Estándar |
| HG | Manguito de fijación hidráulico | |

Instrucciones de diseño y seguridad

Tolerancias del eje

Los manguitos de fijación y de desmontaje se adaptan al eje. Por este motivo, se permiten mayores tolerancias de diámetro para estos ejes que para el asiento cilíndrico directo de un rodamiento sobre un eje.

Para aplicaciones generales son suficientes ejes con tolerancia h9.

Las tolerancias dimensionales deben ser más estrictas que las tolerancias del diámetro, ya que la precisión de forma influye en la precisión de guiado de la rodadura. La tolerancia de forma cilíndrica del asiento del rodamiento debe ser entre IT5/2 e IT6/2.

Precisión

Manguitos de fijación

Las dimensiones y el material corresponden a DIN 5 415/ISO 2 982-1.

La tolerancia del agujero de los manguitos de fijación, antes de ser partidos, está, para la conicidad 1:12 en el campo de tolerancia JS9 y, para la conicidad 1:30 en el campo de tolerancia JS7.

Hasta M200 la rosca del manguito es una rosca métrica de precisión con calidad 6g, según DIN/ISO 965-3 y, a partir de M200, se utilizan roscas trapezoidales.

Manguitos de desmontaje

Las dimensiones y el material corresponden a DIN 5 416/ISO 2 982-1.

La tolerancia del agujero de los manguitos de desmontaje, antes de partirlos y para la conicidad 1:12 está en el campo de tolerancia JS9 y, para la conicidad 1:30 en el campo JS7.

Hasta M200 la rosca del manguito es una rosca métrica de precisión con calidad 6g, según DIN/ISO 965-3 y, a partir de M200, se utilizan roscas trapezoidales.

Las ejecuciones con rosca modificada d_{2G} tienen el sufijo G.

Tuercas estriadas y tuercas para ejes

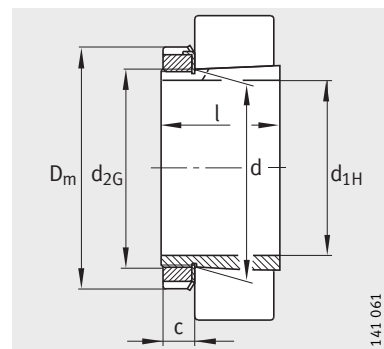
Las dimensiones y el material corresponden a DIN 981/ISO 2 982-2. Las desviaciones se indican en las tablas de medidas.

Hasta un diámetro de rosca 200 mm ésta es una rosca fina en medidas métricas, las tuercas estriadas y las tuercas para ejes mayores tienen roscas trapezoidales.



Manguitos de fijación

con tuerca y chapa de seguridad



Conicidad 1:12 (conicidad 1:30 para H240 y H241),
chapa de seguridad MB

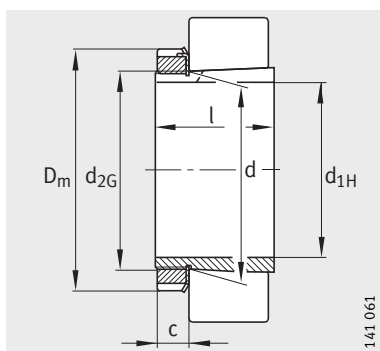
Tabla de medidas · Medidas en mm

| Referencias | | | Peso m ≈kg | Dimensiones | | | | | |
|-------------------------------|--------|--------------------|------------------|-----------------|----|---------------------|----|--------|-----------------|
| Manguito de fijación completo | Tuerca | Chapa de seguridad | | d _{1H} | d | D _m ≈ | l | c ≈ | d _{2G} |
| H203 | KM3 | MB3 | 0,03 | 14 | 17 | 28 | 21 | 6 | M17X1 |
| H204 | KM4 | MB4 | 0,04 | 17 | 20 | 32 | 24 | 7 | M20X1 |
| H304 | KM4 | MB4 | 0,04 | 17 | 20 | 32 | 28 | 7 | M20X1 |
| H2304 | KM4 | MB4 | 0,05 | 17 | 20 | 32 | 31 | 7 | M20X1 |
| H205 | KM5 | MB5 | 0,07 | 20 | 25 | 38 | 26 | 9 | M25X1,5 |
| H305 | KM5 | MB5 | 0,07 | 20 | 25 | 38 | 29 | 9 | M25X1,5 |
| H2305 | KM5 | MB5 | 0,09 | 20 | 25 | 38 | 35 | 9 | M25X1,5 |
| H206 | KM6 | MB6 | 0,1 | 25 | 30 | 45 | 27 | 9 | M30X1,5 |
| H306 | KM6 | MB6 | 0,11 | 25 | 30 | 45 | 31 | 9 | M30X1,5 |
| H2306 | KM6 | MB6 | 0,13 | 25 | 30 | 45 | 38 | 9 | M30X1,5 |
| H207 | KM7 | MB7 | 0,12 | 30 | 35 | 52 | 29 | 10 | M35X1,5 |
| H307 | KM7 | MB7 | 0,14 | 30 | 35 | 52 | 35 | 10 | M35X1,5 |
| H2307 | KM7 | MB7 | 0,16 | 30 | 35 | 52 | 43 | 10 | M35X1,5 |
| H208 | KM8 | MB8 | 0,18 | 35 | 40 | 58 | 31 | 11 | M40X1,5 |
| H308 | KM8 | MB8 | 0,19 | 35 | 40 | 58 | 36 | 11 | M40X1,5 |
| H2308 | KM8 | MB8 | 0,23 | 35 | 40 | 58 | 46 | 11 | M40X1,5 |
| H3308 | KM8 | MB8 | 0,24 | 35 | 40 | 58 | 50 | 11 | M40X1,5 |
| H209 | KM9 | MB9 | 0,22 | 40 | 45 | 65 | 33 | 12 | M45X1,5 |
| H309 | KM9 | MB9 | 0,25 | 40 | 45 | 65 | 39 | 12 | M45X1,5 |
| H2309 | KM9 | MB9 | 0,29 | 40 | 45 | 65 | 50 | 12 | M45X1,5 |
| H3309 | KM9 | MB9 | 0,31 | 40 | 45 | 65 | 54 | 12 | M45X1,5 |
| H210 | KM10 | MB10 | 0,27 | 45 | 50 | 70 | 35 | 13 | M50X1,5 |
| H310 | KM10 | MB10 | 0,3 | 45 | 50 | 70 | 42 | 13 | M50X1,5 |
| H2310 | KM10 | MB10 | 0,36 | 45 | 50 | 70 | 55 | 13 | M50X1,5 |
| H3310 | KM10 | MB10 | 0,39 | 45 | 50 | 70 | 60 | 13 | M50X1,5 |
| H211 | KM11 | MB11 | 0,31 | 50 | 55 | 75 | 37 | 13 | M55X2 |
| H311 | KM11 | MB11 | 0,35 | 50 | 55 | 75 | 45 | 13 | M55X2 |
| H2311 | KM11 | MB11 | 0,42 | 50 | 55 | 75 | 59 | 13 | M55X2 |
| H3311 | KM11 | MB11 | 0,46 | 50 | 55 | 75 | 65 | 13 | M55X2 |
| H212 | KM12 | MB12 | 0,35 | 55 | 60 | 80 | 38 | 13 | M60X2 |
| H312 | KM12 | MB12 | 0,4 | 55 | 60 | 80 | 47 | 13 | M60X2 |
| H2312 | KM12 | MB12 | 0,49 | 55 | 60 | 80 | 62 | 13 | M60X2 |
| H3312 | KM12 | MB12 | 0,54 | 55 | 60 | 80 | 70 | 13 | M60X2 |

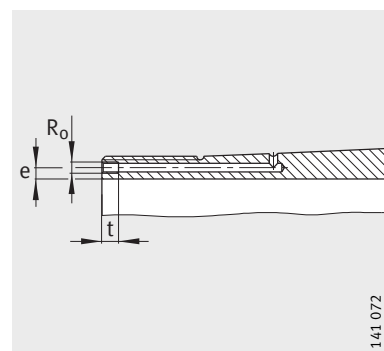
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | |
|---|--------|--------------------|------------------|-----------------|-----|---------------------|-----|--------|-----------------|
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | |
| Manguito de fijación completo | Tuerca | Chapa de seguridad | | d _{1H} | d | D _m ≈ | l | c ≈ | d _{2G} |
| H213 | KM13 | MB13 | 0,4 | 60 | 65 | 85 | 40 | 14 | M65X2 |
| H313 | KM13 | MB13 | 0,46 | 60 | 65 | 85 | 50 | 14 | M65X2 |
| H2313 | KM13 | MB13 | 0,56 | 60 | 65 | 85 | 65 | 14 | M65X2 |
| H3313 | KM13 | MB13 | 0,63 | 60 | 65 | 85 | 75 | 14 | M65X2 |
| H214 | KM14 | MB14 | 0,63 | 60 | 70 | 92 | 41 | 14 | M70X2 |
| H314 | KM14 | MB14 | 0,74 | 60 | 70 | 92 | 52 | 14 | M70X2 |
| H2314 | KM14 | MB14 | 0,92 | 60 | 70 | 92 | 68 | 14 | M70X2 |
| H3314 | KM14 | MB14 | 1,08 | 60 | 70 | 92 | 81 | 14 | M70X2 |
| H215 | KM15 | MB15 | 0,71 | 65 | 75 | 98 | 43 | 15 | M75X2 |
| H315 | KM15 | MB15 | 0,84 | 65 | 75 | 98 | 55 | 15 | M75X2 |
| H2315 | KM15 | MB15 | 1,06 | 65 | 75 | 98 | 73 | 15 | M75X2 |
| H3315 | KM15 | MB15 | 1,25 | 65 | 75 | 98 | 87 | 15 | M75X2 |
| H216 | KM16 | MB16 | 0,89 | 70 | 80 | 105 | 46 | 17 | M80X2 |
| H316 | KM16 | MB16 | 1,04 | 70 | 80 | 105 | 59 | 17 | M80X2 |
| H2316 | KM16 | MB16 | 1,3 | 70 | 80 | 105 | 78 | 17 | M80X2 |
| H3316 | KM16 | MB16 | 1,46 | 70 | 80 | 105 | 89 | 17 | M80X2 |
| H217 | KM17 | MB17 | 1,03 | 75 | 85 | 110 | 50 | 18 | M85X2 |
| H317 | KM17 | MB17 | 1,19 | 75 | 85 | 110 | 63 | 18 | M85X2 |
| H2317 | KM17 | MB17 | 1,47 | 75 | 85 | 110 | 82 | 18 | M85X2 |
| H3317 | KM17 | MB17 | 1,68 | 75 | 85 | 110 | 95 | 18 | M85X2 |
| H218 | KM18 | MB18 | 1,21 | 80 | 90 | 120 | 52 | 18 | M90X2 |
| H318 | KM18 | MB18 | 1,39 | 80 | 90 | 120 | 65 | 18 | M90X2 |
| H2318 | KM18 | MB18 | 1,71 | 80 | 90 | 120 | 86 | 18 | M90X2 |
| H3318 | KM18 | MB18 | 1,87 | 80 | 90 | 120 | 95 | 18 | M90X2 |
| H219 | KM19 | MB19 | 1,39 | 85 | 95 | 125 | 55 | 19 | M95X2 |
| H319 | KM19 | MB19 | 1,58 | 85 | 95 | 125 | 68 | 19 | M95X2 |
| H2319 | KM19 | MB19 | 1,95 | 85 | 95 | 125 | 90 | 19 | M95X2 |
| H3319 | KM19 | MB19 | 2,16 | 85 | 95 | 125 | 101 | 19 | M95X2 |
| H220 | KM20 | MB20 | 1,52 | 90 | 100 | 130 | 58 | 20 | M100X2 |
| H320 | KM20 | MB20 | 1,73 | 90 | 100 | 130 | 71 | 20 | M100X2 |
| H3120 | KM20 | MB20 | 1,81 | 90 | 100 | 130 | 76 | 20 | M100X2 |
| H24020 | KM20 | MB20 | 1,77 | 90 | 100 | 130 | 80 | 20 | M100X2 |
| H24120 | KM20 | MB20 | 1,97 | 90 | 100 | 130 | 94 | 20 | M100X2 |
| H2320 | KM20 | MB20 | 2,2 | 90 | 100 | 130 | 97 | 20 | M100X2 |
| H3320 | KM20 | MB20 | 2,38 | 90 | 100 | 130 | 106 | 20 | M100X2 |

Manguitos de fijación

con tuerca y
chapa de seguridad



Conicidad 1:12 (conicidad 1:30
para H240 y H241)
chapas de seguridad MBy MBL



Manguito de fijación hidráulico
(sufijo HG)
Medidas de conexión

Tabla de medidas (continuación) · Medidas en mm

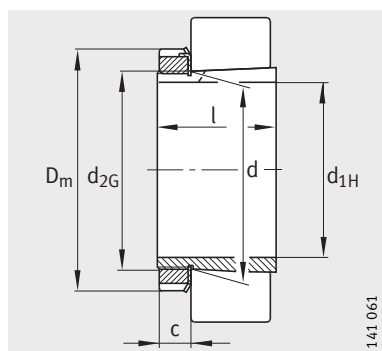
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | |
|-------------------------------|--------|--------------------|------------------|-----------------|-----|---------------------|-----|--------|-----------------|
| Manguito de fijación completo | Tuerca | Chapa de seguridad | | d _{1H} | d | D _m ≈ | l | c ≈ | d _{2G} |
| H221 | KM21 | MB21 | 1,74 | 95 | 105 | 140 | 60 | 20 | M105X2 |
| H321 | KM21 | MB21 | 1,97 | 95 | 105 | 140 | 74 | 20 | M105X2 |
| H3121 | KM21 | MB21 | 2,09 | 95 | 105 | 140 | 80 | 20 | M105X2 |
| H2321 | KM21 | MB21 | 2,5 | 95 | 105 | 140 | 101 | 20 | M105X2 |
| H3321 | KM21 | MB21 | 2,71 | 95 | 105 | 140 | 111 | 20 | M105X2 |
| H222 | KM22 | MB22 | 1,95 | 100 | 110 | 145 | 63 | 21 | M110X2 |
| H322 | KM22 | MB22 | 2,21 | 100 | 110 | 145 | 77 | 21 | M110X2 |
| H3122 | KM22 | MB22 | 2,28 | 100 | 110 | 145 | 81 | 21 | M110X2 |
| H24022 | KM22 | MB22 | 2,3 | 100 | 110 | 145 | 90 | 21 | M110X2 |
| H24122 | KM22 | MB22 | 2,45 | 100 | 110 | 145 | 99 | 21 | M110X2 |
| H2322 | KM22 | MB22 | 2,78 | 100 | 110 | 145 | 105 | 21 | M110X2 |
| H3322 | KM22 | MB22 | 3,06 | 100 | 110 | 145 | 117 | 21 | M110X2 |
| H3924 | KML24 | MBL24 | 1,78 | 110 | 120 | 145 | 60 | 22 | M120X2 |
| H3024 | KML24 | MBL24 | 2,01 | 110 | 120 | 145 | 72 | 22 | M120X2 |
| H24024 | KML24 | MBL24 | 2,24 | 110 | 120 | 145 | 91 | 22 | M120X2 |
| H3124 | KM24 | MB24 | 2,67 | 110 | 120 | 155 | 88 | 22 | M120X2 |
| H24124 | KM24 | MB24 | 2,92 | 110 | 120 | 155 | 111 | 22 | M120X2 |
| H2324 | KM24 | MB24 | 3,24 | 110 | 120 | 155 | 112 | 22 | M120X2 |
| H3324 | KM24 | MB24 | 3,77 | 110 | 120 | 155 | 132 | 22 | M120X2 |
| H3926 | KML26 | MBL26 | 2,53 | 115 | 130 | 155 | 65 | 23 | M130X2 |
| H3026 | KML26 | MBL26 | 2,96 | 115 | 130 | 155 | 80 | 23 | M130X2 |
| H24026 | KML26 | MBL26 | 3,4 | 115 | 130 | 155 | 102 | 23 | M130X2 |
| H3126 | KM26 | MB26 | 3,72 | 115 | 130 | 165 | 92 | 23 | M130X2 |
| H24126 | KM26 | MB26 | 4,08 | 115 | 130 | 165 | 113 | 23 | M130X2 |
| H2326 | KM26 | MB26 | 4,69 | 115 | 130 | 165 | 121 | 23 | M130X2 |
| H3326 | KM26 | MB26 | 5,35 | 115 | 130 | 165 | 139 | 23 | M130X2 |
| H3928 | KML28 | MBL28 | 2,81 | 125 | 140 | 165 | 66 | 24 | M140X2 |
| H3028 | KML28 | MBL28 | 3,3 | 125 | 140 | 165 | 82 | 24 | M140X2 |
| H24028 | KML28 | MBL28 | 3,75 | 125 | 140 | 165 | 103 | 24 | M140X2 |
| H3128 | KM28 | MB28 | 4,4 | 125 | 140 | 180 | 97 | 24 | M140X2 |
| H24128 | KM28 | MB28 | 4,81 | 125 | 140 | 180 | 119 | 24 | M140X2 |
| H2328 | KM28 | MB28 | 5,66 | 125 | 140 | 180 | 131 | 24 | M140X2 |
| H3328 | KM28 | MB28 | 6,32 | 125 | 140 | 180 | 147 | 24 | M140X2 |

| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | | | |
|---|--------|--------------------|------------------|-----------------|-----|---------------------|-----|--------|-----------------|--------------------|-----|---|
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
| Manguito de fijación completo | Tuerca | Chapa de seguridad | | d _{1H} | d | D _m ≈ | l | c ≈ | d _{2G} | R ₀ | e | t |
| H3930 | KML30 | MBL30 | 3,64 | 135 | 150 | 180 | 76 | 26 | M150X2 | – | – | – |
| H3030 | KML30 | MBL30 | 4,02 | 135 | 150 | 180 | 87 | 26 | M150X2 | – | – | – |
| H24030 | KML30 | MBL30 | 4,61 | 135 | 150 | 180 | 112 | 26 | M150X2 | – | – | – |
| H3130 | KM30 | MB30 | 5,6 | 135 | 150 | 195 | 111 | 26 | M150X2 | – | – | – |
| H24130 | KM30 | MB30 | 6,1 | 135 | 150 | 195 | 137 | 26 | M150X2 | – | – | – |
| H2330 | KM30 | MB30 | 6,76 | 135 | 150 | 195 | 139 | 26 | M150X2 | – | – | – |
| H3330 | KM30 | MB30 | 7,66 | 135 | 150 | 195 | 159 | 26 | M150X2 | – | – | – |
| H3932 | KML32 | MBL32 | 4,75 | 140 | 160 | 190 | 78 | 28 | M160X3 | – | – | – |
| H3932-HG | KML32 | MBL32 | 4,75 | 140 | 160 | 190 | 78 | 28 | M160X3 | M6 | 4,2 | 7 |
| H3032 | KML32 | MBL32 | 5,44 | 140 | 160 | 190 | 93 | 28 | M160X3 | – | – | – |
| H3032-HG | KML32 | MBL32 | 5,44 | 140 | 160 | 190 | 93 | 28 | M160X3 | M6 | 4,2 | 7 |
| H24032 | KML32 | MBL32 | 6,27 | 140 | 160 | 190 | 118 | 28 | M160X3 | – | – | – |
| H24032-HG | KML32 | MBL32 | 6,27 | 140 | 160 | 190 | 118 | 28 | M160X3 | M6 | 4,2 | 7 |
| H3132 | KM32 | MB32 | 7,81 | 140 | 160 | 210 | 119 | 28 | M160X3 | – | – | – |
| H3132-HG | KM32 | MB32 | 7,81 | 140 | 160 | 210 | 119 | 28 | M160X3 | M6 | 4,2 | 7 |
| H2332 | KM32 | MB32 | 9,32 | 140 | 160 | 210 | 147 | 28 | M160X3 | – | – | – |
| H2332-HG | KM32 | MB32 | 9,32 | 140 | 160 | 210 | 147 | 28 | M160X3 | M6 | 4,2 | 7 |
| H24132 | KM32 | MB32 | 8,66 | 140 | 160 | 210 | 148 | 28 | M160X3 | – | – | – |
| H24132-HG | KM32 | MB32 | 8,66 | 140 | 160 | 210 | 148 | 28 | M160X3 | M6 | 4,2 | 7 |
| H3332 | KM32 | MB32 | 10,7 | 140 | 160 | 210 | 170 | 28 | M160X3 | – | – | – |
| H3332-HG | KM32 | MB32 | 10,7 | 140 | 160 | 210 | 170 | 28 | M160X3 | M6 | 4,2 | 7 |
| H3934 | KML34 | MBL34 | 5,16 | 150 | 170 | 200 | 79 | 29 | M170X3 | – | – | – |
| H3934-HG | KML34 | MBL34 | 5,16 | 150 | 170 | 200 | 79 | 29 | M170X3 | M6 | 4,2 | 7 |
| H3034 | KML34 | MBL34 | 6,25 | 150 | 170 | 200 | 101 | 29 | M170X3 | – | – | – |
| H3034-HG | KML34 | MBL34 | 6,25 | 150 | 170 | 200 | 101 | 29 | M170X3 | M6 | 4,2 | 7 |
| H24034 | KML34 | MBL34 | 7,28 | 150 | 170 | 200 | 130 | 29 | M170X3 | – | – | – |
| H24034-HG | KML34 | MBL34 | 7,28 | 150 | 170 | 200 | 130 | 29 | M170X3 | M6 | 4,2 | 7 |
| H3134 | KM34 | MB34 | 8,52 | 150 | 170 | 220 | 122 | 29 | M170X3 | – | – | – |
| H3134-HG | KM34 | MB34 | 8,52 | 150 | 170 | 220 | 122 | 29 | M170X3 | M6 | 4,2 | 7 |
| H24134 | KM34 | MB34 | 9,32 | 150 | 170 | 220 | 149 | 29 | M170X3 | – | – | – |
| H24134-HG | KM34 | MB34 | 9,32 | 150 | 170 | 220 | 149 | 29 | M170X3 | M6 | 4,2 | 7 |
| H2334 | KM34 | MB34 | 10,4 | 150 | 170 | 220 | 154 | 29 | M170X3 | – | – | – |
| H2334-HG | KM34 | MB34 | 10,4 | 150 | 170 | 220 | 154 | 29 | M170X3 | M6 | 4,2 | 7 |
| H3334 | KM34 | MB34 | 11,7 | 150 | 170 | 220 | 175 | 29 | M170X3 | – | – | – |
| H3334-HG | KM34 | MB34 | 11,7 | 150 | 170 | 220 | 175 | 29 | M170X3 | M6 | 4,2 | 7 |

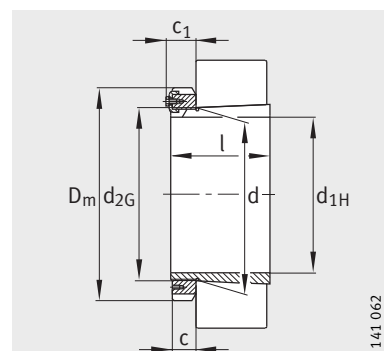


Manguitos de fijación

con tuerca y
chapa de seguridad



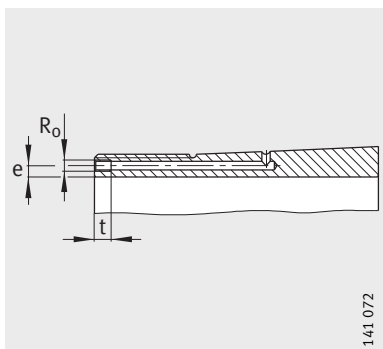
Conicidad 1:12 (conicidad 1:30 para H240 y H241)
chapas de seguridad MB y MBL



Conicidad 1:12
(conicidad 1:30 para H240),
grapa de seguridad MS30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | | | Peso m ≈ kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------------------------|--------|--------------------|-------------------|-----------------|-----|---------------------|-----|--------|-----------------|--------------------|-----|---|
| Manguito de fijación completo | Tuerca | Chapa de seguridad | | d _{1H} | d | D _m ≈ | l | c ≈ | d _{2G} | R ₀ | e | t |
| H3936 | KML36 | MBL36 | 6,01 | 160 | 180 | 210 | 87 | 30 | M180X3 | — | — | — |
| H3936-HG | KML36 | MBL36 | 6,01 | 160 | 180 | 210 | 87 | 30 | M180X3 | M6 | 4,2 | 7 |
| H3036 | KML36 | MBL36 | 7,18 | 160 | 180 | 210 | 109 | 30 | M180X3 | — | — | — |
| H3036-HG | KML36 | MBL36 | 7,18 | 160 | 180 | 210 | 109 | 30 | M180X3 | M6 | 4,2 | 7 |
| H24036 | KML36 | MBL36 | 8,33 | 160 | 180 | 210 | 140 | 30 | M180X3 | — | — | — |
| H24036-HG | KML36 | MBL36 | 8,33 | 160 | 180 | 210 | 140 | 30 | M180X3 | M6 | 4,2 | 7 |
| H3136 | KM36 | MB36 | 9,67 | 160 | 180 | 230 | 131 | 30 | M180X3 | — | — | — |
| H3136-HG | KM36 | MB36 | 9,67 | 160 | 180 | 230 | 131 | 30 | M180X3 | M6 | 4,2 | 7 |
| H24136 | KM36 | MB36 | 10,5 | 160 | 180 | 230 | 159 | 30 | M180X3 | — | — | — |
| H24136-HG | KM36 | MB36 | 10,5 | 160 | 180 | 230 | 159 | 30 | M180X3 | M6 | 4,2 | 7 |
| H2336 | KM36 | MB36 | 11,6 | 160 | 180 | 230 | 161 | 30 | M180X3 | — | — | — |
| H2336-HG | KM36 | MB36 | 11,6 | 160 | 180 | 230 | 161 | 30 | M180X3 | M6 | 4,2 | 7 |
| H3336 | KM36 | MB36 | 13,3 | 160 | 180 | 230 | 186 | 30 | M180X3 | — | — | — |
| H3336-HG | KM36 | MB36 | 13,3 | 160 | 180 | 230 | 186 | 30 | M180X3 | M6 | 4,2 | 7 |
| H3938 | KML38 | MBL38 | 6,49 | 170 | 190 | 220 | 89 | 31 | M190X3 | — | — | — |
| H3938-HG | KML38 | MBL38 | 6,49 | 170 | 190 | 220 | 89 | 31 | M190X3 | M6 | 4,2 | 7 |
| H3038 | KML38 | MBL38 | 7,8 | 170 | 190 | 220 | 112 | 31 | M190X3 | — | — | — |
| H3038-HG | KML38 | MBL38 | 7,8 | 170 | 190 | 220 | 112 | 31 | M190X3 | M6 | 4,2 | 7 |
| H24038 | KML38 | MBL38 | 9 | 170 | 190 | 220 | 143 | 31 | M190X3 | — | — | — |
| H24038-HG | KML38 | MBL38 | 9 | 170 | 190 | 220 | 143 | 31 | M190X3 | M6 | 4,2 | 7 |
| H3138 | KM38 | MB38 | 11 | 170 | 190 | 240 | 141 | 31 | M190X3 | — | — | — |
| H3138-HG | KM38 | MB38 | 11 | 170 | 190 | 240 | 141 | 31 | M190X3 | M6 | 4,2 | 7 |
| H2338 | KM38 | MB38 | 12,9 | 170 | 190 | 240 | 169 | 31 | M190X3 | — | — | — |
| H2338-HG | KM38 | MB38 | 12,9 | 170 | 190 | 240 | 169 | 31 | M190X3 | M6 | 4,2 | 7 |
| H24138 | KM38 | MB38 | 11,9 | 170 | 190 | 240 | 172 | 31 | M190X3 | — | — | — |
| H24138-HG | KM38 | MB38 | 11,9 | 170 | 190 | 240 | 172 | 31 | M190X3 | M6 | 4,2 | 7 |
| H3338 | KM38 | MB38 | 14,7 | 170 | 190 | 240 | 193 | 31 | M190X3 | — | — | — |
| H3338-HG | KM38 | MB38 | 14,7 | 170 | 190 | 240 | 193 | 31 | M190X3 | M6 | 4,2 | 7 |



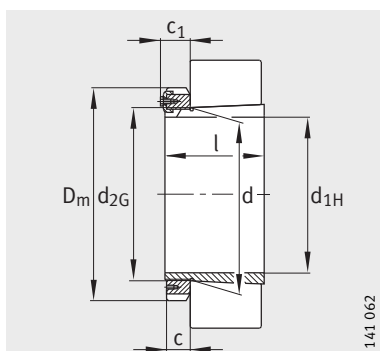
Manguito de fijación hidráulico
(sufijo HG)
Medidas de conexión

| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | | | | |
|---|--------|----------------------------|------------------|-----------------|-----|----------------|-----|--------|---------------------|-----------------|--------------------|-----|---|
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | | Medidas de montaje | | |
| Manguito de fijación completo | Tuerca | Chapa o grapa de seguridad | | d _{1H} | d | D _m | l | c ≈ | c ₁ ≈ | d _{2G} | R ₀ | e | t |
| H3940 | KML40 | MBL40 | 8,14 | 180 | 200 | 240 | 98 | 32 | – | M200X3 | – | – | – |
| H3940-HG | KML40 | MBL40 | 8,14 | 180 | 200 | 240 | 98 | 32 | – | M200X3 | M6 | 4,2 | 7 |
| H3040 | KML40 | MBL40 | 9,5 | 180 | 200 | 240 | 120 | 32 | – | M200X3 | – | – | – |
| H3040-HG | KML40 | MBL40 | 9,5 | 180 | 200 | 240 | 120 | 32 | – | M200X3 | M6 | 4,2 | 7 |
| H24040 | KML40 | MBL40 | 10,8 | 180 | 200 | 240 | 153 | 32 | – | M200X3 | – | – | – |
| H24040-HG | KML40 | MBL40 | 10,8 | 180 | 200 | 240 | 153 | 32 | – | M200X3 | M6 | 4,2 | 7 |
| H3140 | KM40 | MB40 | 12,3 | 180 | 200 | 250 | 150 | 32 | – | M200X3 | – | – | – |
| H3140-HG | KM40 | MB40 | 12,3 | 180 | 200 | 250 | 150 | 32 | – | M200X3 | M6 | 4,2 | 7 |
| H2340 | KM40 | MB40 | 14,2 | 180 | 200 | 250 | 176 | 32 | – | M200X3 | – | – | – |
| H2340-HG | KM40 | MB40 | 14,2 | 180 | 200 | 250 | 176 | 32 | – | M200X3 | M6 | 4,2 | 7 |
| H24140 | KM40 | MB40 | 13,4 | 180 | 200 | 250 | 185 | 32 | – | M200X3 | – | – | – |
| H24140-HG | KM40 | MB40 | 13,4 | 180 | 200 | 250 | 185 | 32 | – | M200X3 | M6 | 4,2 | 7 |
| H3340 | KM40 | MB40 | 16,4 | 180 | 200 | 250 | 204 | 32 | – | M200X3 | – | – | – |
| H3340-HG | KM40 | MB40 | 16,4 | 180 | 200 | 250 | 204 | 32 | – | M200X3 | M6 | 4,2 | 7 |
| H3944 | HM3044 | MS3044 | 8,45 | 200 | 220 | 260 | 96 | 30 | 40 | Tr220X4 | – | – | – |
| H3944-HG | HM3044 | MS3044 | 8,45 | 200 | 220 | 260 | 96 | 30 | 40 | Tr220X4 | M6 | 4,2 | 7 |
| H3044X | HM3044 | MS3044 | 10,5 | 200 | 220 | 260 | 126 | 30 | 40 | Tr220X4 | – | – | – |
| H3044X-HG | HM3044 | MS3044 | 10,5 | 200 | 220 | 260 | 126 | 30 | 40 | Tr220X4 | M6 | 4,2 | 7 |
| H24044 | HM3044 | MS3044 | 12,1 | 200 | 220 | 260 | 162 | 30 | 40 | Tr220X4 | – | – | – |
| H24044-HG | HM3044 | MS3044 | 12,1 | 200 | 220 | 260 | 162 | 30 | 40 | Tr220X4 | M6 | 4,2 | 7 |
| H3144X | HM44T | MB44 | 15,7 | 200 | 220 | 280 | 161 | 35 | – | Tr220X4 | – | – | – |
| H3144X-HG | HM44T | MB44 | 15,7 | 200 | 220 | 280 | 161 | 35 | – | Tr220X4 | M6 | 4,2 | 7 |
| H2344X | HM44T | MB44 | 17,8 | 200 | 220 | 280 | 186 | 35 | – | Tr220X4 | – | – | – |
| H2344X-HG | HM44T | MB44 | 17,8 | 200 | 220 | 280 | 186 | 35 | – | Tr220X4 | M6 | 4,2 | 7 |
| H24144 | HM44T | MB44 | 17,1 | 200 | 220 | 280 | 199 | 35 | – | Tr220X4 | – | – | – |
| H24144-HG | HM44T | MB44 | 17,1 | 200 | 220 | 280 | 199 | 35 | – | Tr220X4 | M6 | 4,2 | 7 |
| H3344 | HM44T | MB44 | 21,1 | 200 | 220 | 280 | 223 | 35 | – | Tr220X4 | – | – | – |
| H3344-HG | HM44T | MB44 | 21,1 | 200 | 220 | 280 | 223 | 35 | – | Tr220X4 | M6 | 4,2 | 7 |

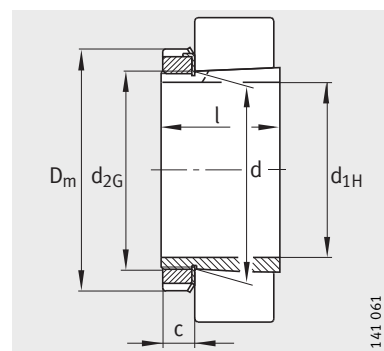


Manguitos de fijación

con tuerca y
chapa de seguridad



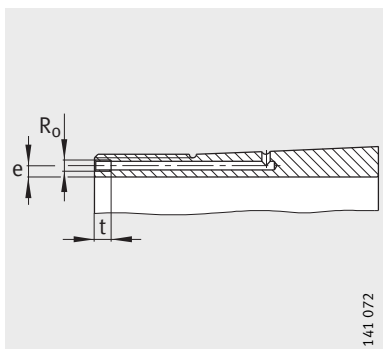
Conicidad 1:12 (conicidad 1:30 para H240 y H241) grapas de seguridad MS30 y MS31



Conicidad 1:12 (conicidad 1:30 para H241) chapa de seguridad MB

Tabla de medidas (continuación) · Medidas en mm

| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | | Medidas de montaje | | |
|-------------------------------|--------|----------------------------|------------------|-----------------|-----|----------------|-----|----|----------------|-----------------|--------------------|-----|---|
| Manguito de fijación completo | Tuerca | Chapa o grapa de seguridad | | d _{1H} | d | D _m | l | c | c ₁ | d _{2G} | R ₀ | e | t |
| H3948 | HM3048 | MS3048 | 11,3 | 220 | 240 | 290 | 101 | 34 | 45 | Tr240X4 | — | — | — |
| H3948-HG | HM3048 | MS3048 | 11,3 | 220 | 240 | 290 | 101 | 34 | 45 | Tr240X4 | M6 | 4,2 | 7 |
| H3048 | HM3048 | MS3048 | 13,8 | 220 | 240 | 290 | 133 | 34 | 45 | Tr240X4 | — | — | — |
| H3048-HG | HM3048 | MS3048 | 13,8 | 220 | 240 | 290 | 133 | 34 | 45 | Tr240X4 | M6 | 4,2 | 7 |
| H24048 | HM3048 | MS3048 | 15,3 | 220 | 240 | 290 | 167 | 34 | 45 | Tr240X4 | — | — | — |
| H24048-HG | HM3048 | MS3048 | 15,3 | 220 | 240 | 290 | 167 | 34 | 45 | Tr240X4 | M6 | 4,2 | 7 |
| H3148X | HM48T | MB48 | 18,4 | 220 | 240 | 300 | 172 | 37 | — | Tr240X4 | — | — | — |
| H3148X-HG | HM48T | MB48 | 18,4 | 220 | 240 | 300 | 172 | 37 | — | Tr240X4 | M6 | 4,2 | 7 |
| H2348X | HM48T | MB48 | 20,9 | 220 | 240 | 300 | 199 | 37 | — | Tr240X4 | — | — | — |
| H2348X-HG | HM48T | MB48 | 20,9 | 220 | 240 | 300 | 199 | 37 | — | Tr240X4 | M6 | 4,2 | 7 |
| H24148 | HM48T | MB48 | 19,9 | 220 | 240 | 300 | 212 | 37 | — | Tr240X4 | — | — | — |
| H24148-HG | HM48T | MB48 | 19,9 | 220 | 240 | 300 | 212 | 37 | — | Tr240X4 | M6 | 4,2 | 7 |
| H3348 | HM48T | MB48 | 25,1 | 220 | 240 | 300 | 240 | 37 | — | Tr240X4 | — | — | — |
| H3348-HG | HM48T | MB48 | 25,1 | 220 | 240 | 300 | 240 | 37 | — | Tr240X4 | M6 | 4,2 | 7 |
| H3952 | HM3052 | MS3048 | 13,6 | 240 | 260 | 310 | 116 | 34 | 45 | Tr260X4 | — | — | — |
| H3952-HG | HM3052 | MS3048 | 13,6 | 240 | 260 | 310 | 116 | 34 | 45 | Tr260X4 | M6 | 4,2 | 7 |
| H3052X | HM3052 | MS3048 | 16 | 240 | 260 | 310 | 145 | 34 | 45 | Tr260X4 | — | — | — |
| H3052X-HG | HM3052 | MS3048 | 16 | 240 | 260 | 310 | 145 | 34 | 45 | Tr260X4 | M6 | 4,2 | 7 |
| H24052 | HM3052 | MS3048 | 18,4 | 240 | 260 | 310 | 190 | 34 | 45 | Tr260X4 | — | — | — |
| H24052-HG | HM3052 | MS3048 | 18,4 | 240 | 260 | 310 | 190 | 34 | 45 | Tr260X4 | M6 | 4,2 | 7 |
| H3152X | HM52T | MB52 | 23,5 | 240 | 260 | 330 | 190 | 38 | — | Tr260X4 | — | — | — |
| H3152X-HG | HM52T | MB52 | 23,5 | 240 | 260 | 330 | 190 | 38 | — | Tr260X4 | M6 | 4,2 | 7 |
| H2352X | HM52T | MB52 | 25,7 | 240 | 260 | 330 | 211 | 38 | — | Tr260X4 | — | — | — |
| H2352X-HG | HM52T | MB52 | 25,7 | 240 | 260 | 330 | 211 | 38 | — | Tr260X4 | M6 | 4,2 | 7 |
| H24152 | HM52T | MB52 | 25,2 | 240 | 260 | 330 | 235 | 38 | — | Tr260X4 | — | — | — |
| H24152-HG | HM52T | MB52 | 25,2 | 240 | 260 | 330 | 235 | 38 | — | Tr260X4 | M6 | 4,2 | 7 |
| H3352 | HM52T | MB52 | 30,5 | 240 | 260 | 330 | 253 | 38 | — | Tr260X4 | — | — | — |
| H3352-HG | HM52T | MB52 | 30,5 | 240 | 260 | 330 | 253 | 38 | — | Tr260X4 | M6 | 4,2 | 7 |



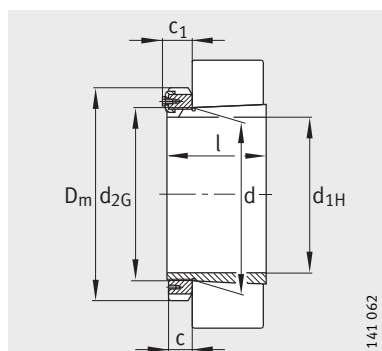
Manguito de fijación hidráulico
(sufijo HG)
Medidas de conexión

| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | | | | |
|---|--------|----------------------------|------------------|-----------------|-----|----------------|-----|--------|---------------------|-----------------|--------------------|-----|---|
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | | Medidas de montaje | | |
| Manguito de fijación completo | Tuerca | Chapa o grapa de seguridad | | d _{1H} | d | D _m | l | c ≈ | c ₁ ≈ | d _{2G} | R ₀ | e | t |
| H3956 | HM3056 | MS3056 | 15,6 | 260 | 280 | 330 | 121 | 38 | 49 | Tr280X4 | – | – | – |
| H3956-HG | HM3056 | MS3056 | 15,6 | 260 | 280 | 330 | 121 | 38 | 49 | Tr280X4 | M6 | 4,2 | 7 |
| H3056 | HM3056 | MS3056 | 18,5 | 260 | 280 | 330 | 152 | 38 | 49 | Tr280X4 | – | – | – |
| H3056-HG | HM3056 | MS3056 | 18,5 | 260 | 280 | 330 | 152 | 38 | 49 | Tr280X4 | M6 | 4,2 | 7 |
| H24056 | HM3056 | MS3056 | 20,9 | 260 | 280 | 330 | 195 | 38 | 49 | Tr280X4 | – | – | – |
| H24056-HG | HM3056 | MS3056 | 20,9 | 260 | 280 | 330 | 195 | 38 | 49 | Tr280X4 | M6 | 4,2 | 7 |
| H3156X | HM56T | MB56 | 26,4 | 260 | 280 | 350 | 195 | 39 | – | Tr280X4 | – | – | – |
| H3156X-HG | HM56T | MB56 | 26,4 | 260 | 280 | 350 | 195 | 39 | – | Tr280X4 | M6 | 4,2 | 7 |
| H2356X | HM56T | MB56 | 29,8 | 260 | 280 | 350 | 224 | 39 | – | Tr280X4 | – | – | – |
| H2356X-HG | HM56T | MB56 | 29,8 | 260 | 280 | 350 | 224 | 39 | – | Tr280X4 | M6 | 4,2 | 7 |
| H24156 | HM56T | MB56 | 28 | 260 | 280 | 350 | 238 | 39 | – | Tr280X4 | – | – | – |
| H24156-HG | HM56T | MB56 | 28 | 260 | 280 | 350 | 238 | 39 | – | Tr280X4 | M6 | 4,2 | 7 |
| H3356 | HM56T | MB56 | 36 | 260 | 280 | 350 | 273 | 39 | – | Tr280X4 | – | – | – |
| H3356-HG | HM56T | MB56 | 36 | 260 | 280 | 350 | 273 | 39 | – | Tr280X4 | M6 | 4,2 | 7 |
| H3960 | HM3060 | MS3060 | 20,9 | 280 | 300 | 360 | 140 | 42 | 53 | Tr300X4 | – | – | – |
| H3960-HG | HM3060 | MS3060 | 20,9 | 280 | 300 | 360 | 140 | 42 | 53 | Tr300X4 | M6 | 4,2 | 7 |
| H3060 | HM3060 | MS3060 | 23,8 | 280 | 300 | 360 | 168 | 42 | 53 | Tr300X4 | – | – | – |
| H3060-HG | HM3060 | MS3060 | 23,8 | 280 | 300 | 360 | 168 | 42 | 53 | Tr300X4 | M6 | 4,2 | 7 |
| H24060 | HM3060 | MS3060 | 26,9 | 280 | 300 | 360 | 220 | 42 | 53 | Tr300X4 | – | – | – |
| H24060-HG | HM3060 | MS3060 | 26,9 | 280 | 300 | 360 | 220 | 42 | 53 | Tr300X4 | M6 | 4,2 | 7 |
| H3160 | HM3160 | MS3160 | 30,6 | 280 | 300 | 380 | 208 | 40 | 53 | Tr300X4 | – | – | – |
| H3160-HG | HM3160 | MS3160 | 30,6 | 280 | 300 | 380 | 208 | 40 | 53 | Tr300X4 | M6 | 4,2 | 7 |
| H3260 | HM3160 | MS3160 | 34,7 | 280 | 300 | 380 | 240 | 40 | 53 | Tr300X4 | – | – | – |
| H3260-HG | HM3160 | MS3160 | 34,7 | 280 | 300 | 380 | 240 | 40 | 53 | Tr300X4 | M6 | 4,2 | 7 |
| H24160 | HM3160 | MS3160 | 32,7 | 280 | 300 | 380 | 258 | 40 | 53 | Tr300X4 | – | – | – |
| H24160-HG | HM3160 | MS3160 | 32,7 | 280 | 300 | 380 | 258 | 40 | 53 | Tr300X4 | M6 | 4,2 | 7 |
| H3360 | HM3160 | MS3160 | 40,8 | 280 | 300 | 380 | 284 | 40 | 53 | Tr300X4 | – | – | – |
| H3360-HG | HM3160 | MS3160 | 40,8 | 280 | 300 | 380 | 284 | 40 | 53 | Tr300X4 | M6 | 4,2 | 7 |
| H3964-HG | HM3064 | MS3064 | 22 | 300 | 320 | 380 | 140 | 42 | 56 | Tr320X5 | M6 | 3,5 | 7 |
| H3064-HG | HM3064 | MS3064 | 25,4 | 300 | 320 | 380 | 171 | 42 | 56 | Tr320X5 | M6 | 3,5 | 7 |
| H24064-HG | HM3064 | MS3064 | 28,4 | 300 | 320 | 380 | 220 | 42 | 56 | Tr320X5 | M6 | 3,5 | 7 |
| H3164-HG | HM3164 | MS3164 | 35,4 | 300 | 320 | 400 | 226 | 42 | 56 | Tr320X5 | M6 | 3,5 | 7 |
| H3264-HG | HM3164 | MS3164 | 40 | 300 | 320 | 400 | 258 | 42 | 56 | Tr320X5 | M6 | 3,5 | 7 |
| H24164-HG | HM3164 | MS3164 | 37,4 | 300 | 320 | 400 | 278 | 42 | 56 | Tr320X5 | M6 | 3,5 | 7 |
| H3364-HG | HM3164 | MS3164 | 47,8 | 300 | 320 | 400 | 308 | 42 | 56 | Tr320X5 | M6 | 3,5 | 7 |

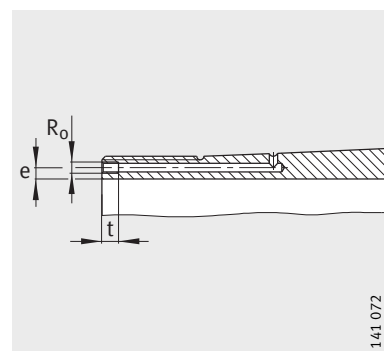


Manguitos de fijación

con tuerca y grapa de seguridad



Conicidad 1:12
(conicidad 1:30 para H240 y H241)



Manguito de fijación hidráulico
Medidas de conexión

Tabla de medidas (continuación) · Medidas en mm

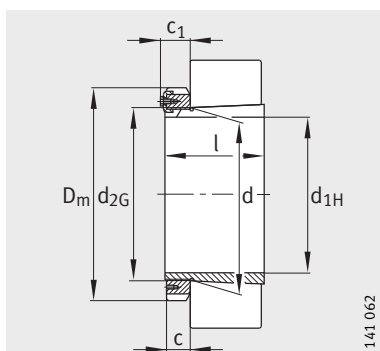
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | | Medidas de montaje | | |
|-------------------------------|--------|--------------------|------------------|-----------------|-----|----------------|-----|--------|---------------------|-----------------|--------------------|-----|---|
| Manguito de fijación completo | Tuerca | Grapa de seguridad | | d _{1H} | d | D _m | l | c ≈ | c ₁ ≈ | d _{2G} | R ₀ | e | t |
| H3968-HG | HM3068 | MS3064 | 24,8 | 320 | 340 | 400 | 144 | 45 | 57 | Tr340X5 | M6 | 3,5 | 7 |
| H3068-HG | HM3068 | MS3064 | 30 | 320 | 340 | 400 | 187 | 45 | 57 | Tr340X5 | M6 | 3,5 | 7 |
| H24068-HG | HM3068 | MS3064 | 33,8 | 320 | 340 | 400 | 244 | 45 | 57 | Tr340X5 | M6 | 3,5 | 7 |
| H3168-HG | HM3168 | MS3168 | 50,1 | 320 | 340 | 440 | 254 | 55 | 70 | Tr340X5 | M6 | 3,5 | 7 |
| H3268-HG | HM3168 | MS3168 | 55,4 | 320 | 340 | 440 | 288 | 55 | 70 | Tr340X5 | M6 | 3,5 | 7 |
| H24168-HG | HM3168 | MS3168 | 53 | 320 | 340 | 440 | 317 | 55 | 70 | Tr340X5 | M6 | 3,5 | 7 |
| H3368-HG | HM3168 | MS3168 | 63,6 | 320 | 340 | 440 | 336 | 55 | 70 | Tr340X5 | M6 | 3,5 | 7 |
| H3972-HG | HM3072 | MS3072 | 25,9 | 340 | 360 | 420 | 144 | 45 | 57 | Tr360X5 | M6 | 3,5 | 7 |
| H3072-HG | HM3072 | MS3072 | 31,6 | 340 | 360 | 420 | 188 | 45 | 57 | Tr360X5 | M6 | 3,5 | 7 |
| H24072-HG | HM3072 | MS3072 | 35,5 | 340 | 360 | 420 | 244 | 45 | 57 | Tr360X5 | M6 | 3,5 | 7 |
| H3172-HG | HM3172 | MS3168 | 54,3 | 340 | 360 | 460 | 259 | 58 | 73 | Tr360X5 | M6 | 3,5 | 7 |
| H3272-HG | HM3172 | MS3168 | 61 | 340 | 360 | 460 | 299 | 58 | 73 | Tr360X5 | M6 | 3,5 | 7 |
| H24172-HG | HM3172 | MS3168 | 57,1 | 340 | 360 | 460 | 321 | 58 | 73 | Tr360X5 | M6 | 3,5 | 7 |
| H3372-HG | HM3172 | MS3168 | 71,8 | 340 | 360 | 460 | 357 | 58 | 73 | Tr360X5 | M6 | 3,5 | 7 |
| H3976-HG | HM3076 | MS3076 | 32,1 | 360 | 380 | 450 | 164 | 48 | 62 | Tr380X5 | M6 | 3,5 | 7 |
| H3076-HG | HM3076 | MS3076 | 36,2 | 360 | 380 | 450 | 193 | 48 | 62 | Tr380X5 | M6 | 3,5 | 7 |
| H24076-HG | HM3076 | MS3076 | 40,1 | 360 | 380 | 450 | 248 | 48 | 62 | Tr380X5 | M6 | 3,5 | 7 |
| H3176-HG | HM3176 | MS3176 | 62,4 | 360 | 380 | 490 | 264 | 60 | 75 | Tr380X5 | M6 | 3,5 | 7 |
| H3276-HG | HM3176 | MS3176 | 70,7 | 360 | 380 | 490 | 310 | 60 | 75 | Tr380X5 | M6 | 3,5 | 7 |
| H24176-HG | HM3176 | MS3176 | 64,9 | 360 | 380 | 490 | 323 | 60 | 75 | Tr380X5 | M6 | 3,5 | 7 |
| H3376-HG | HM3176 | MS3176 | 82,8 | 360 | 380 | 490 | 370 | 60 | 75 | Tr380X5 | M6 | 3,5 | 7 |
| H3980-HG | HM3080 | MS3076 | 35,4 | 380 | 400 | 470 | 168 | 52 | 66 | Tr400X5 | M6 | 3,5 | 7 |
| H3080-HG | HM3080 | MS3076 | 41,7 | 380 | 400 | 470 | 210 | 52 | 66 | Tr400X5 | M6 | 3,5 | 7 |
| H24080-HG | HM3080 | MS3076 | 46,4 | 380 | 400 | 470 | 272 | 52 | 66 | Tr400X5 | M6 | 3,5 | 7 |
| H3180-HG | HM3180 | MS3180 | 71,3 | 380 | 400 | 520 | 272 | 62 | 81 | Tr400X5 | M6 | 3,5 | 7 |
| H3280-HG | HM3180 | MS3180 | 82,1 | 380 | 400 | 520 | 328 | 62 | 81 | Tr400X5 | M6 | 3,5 | 7 |
| H24180-HG | HM3180 | MS3180 | 73,8 | 380 | 400 | 520 | 332 | 62 | 81 | Tr400X5 | M6 | 3,5 | 7 |
| H3380-HG | HM3180 | MS3180 | 93,4 | 380 | 400 | 520 | 380 | 62 | 81 | Tr400X5 | M6 | 3,5 | 7 |
| H3984-HG | HM3084 | MS3084 | 36,9 | 400 | 420 | 490 | 168 | 52 | 66 | Tr420X5 | M6 | 3,5 | 7 |
| H3084X-HG | HM3084 | MS3084 | 43,8 | 400 | 420 | 490 | 212 | 52 | 66 | Tr420X5 | M6 | 3,5 | 7 |
| H24084-HG | HM3084 | MS3084 | 48,6 | 400 | 420 | 490 | 274 | 52 | 66 | Tr420X5 | M6 | 3,5 | 7 |
| H3184-HG | HM3184 | MS3180 | 85,1 | 400 | 420 | 540 | 304 | 70 | 89 | Tr420X5 | M6 | 3,5 | 7 |
| H3284-HG | HM3184 | MS3180 | 95,3 | 400 | 420 | 540 | 352 | 70 | 89 | Tr420X5 | M6 | 3,5 | 7 |
| H24184-HG | HM3184 | MS3180 | 87,8 | 400 | 420 | 540 | 372 | 70 | 89 | Tr420X5 | M6 | 3,5 | 7 |
| H3384-HG | HM3184 | MS3180 | 105 | 400 | 420 | 540 | 395 | 70 | 89 | Tr420X5 | M6 | 3,5 | 7 |



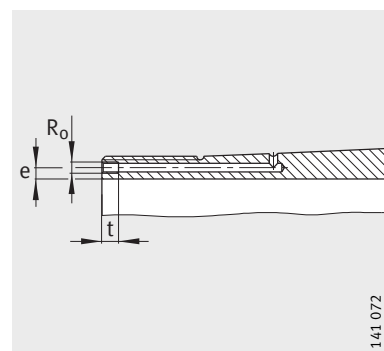
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | | | | |
|---|----------|--------------------|------------------|-----------------|-----|----------------|-----|--------|---------------------|-----------------|--------------------|-----|----|
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | | Medidas de montaje | | |
| Manguito de fijación completo | Tuerca | Grapa de seguridad | | d _{1H} | d | D _m | l | c ≈ | c ₁ ≈ | d _{2G} | R ₀ | e | t |
| H3988-HG | HM3088 | MS3088 | 59 | 410 | 440 | 520 | 189 | 60 | 75 | Tr440X5 | M8 | 6,5 | 12 |
| H3088-HG | HM3088 | MS3088 | 67,7 | 410 | 440 | 520 | 228 | 60 | 75 | Tr440X5 | M8 | 6,5 | 12 |
| H24088-HG | HM3088 | MS3088 | 76,4 | 410 | 440 | 520 | 294 | 60 | 75 | Tr440X5 | M8 | 6,5 | 12 |
| H3188-HG | HM3188 | MS3188 | 105 | 410 | 440 | 560 | 307 | 70 | 89 | Tr440X5 | M8 | 6,5 | 12 |
| H3288-HG | HM3188 | MS3188 | 120 | 410 | 440 | 560 | 361 | 70 | 89 | Tr440X5 | M8 | 6,5 | 12 |
| H24188-HG | HM3188 | MS3188 | 111 | 410 | 440 | 560 | 372 | 70 | 89 | Tr440X5 | M8 | 6,5 | 12 |
| H3388-HG | HM3188 | MS3188 | 140 | 410 | 440 | 560 | 426 | 70 | 89 | Tr440X5 | M8 | 6,5 | 12 |
| H3992-HG | HM3092 | MS3088 | 61,4 | 430 | 460 | 540 | 189 | 60 | 75 | Tr460X5 | M8 | 6,5 | 12 |
| H3092-HG | HM3092 | MS3088 | 71,8 | 430 | 460 | 540 | 234 | 60 | 75 | Tr460X5 | M8 | 6,5 | 12 |
| H24092-HG | HM3092 | MS3088 | 80,8 | 430 | 460 | 540 | 300 | 60 | 75 | Tr460X5 | M8 | 6,5 | 12 |
| H3192-HG | HM3192 | MS3188 | 118 | 430 | 460 | 580 | 326 | 75 | 94 | Tr460X5 | M8 | 6,5 | 12 |
| H3292-HG | HM3192 | MS3188 | 134 | 430 | 460 | 580 | 382 | 75 | 94 | Tr460X5 | M8 | 6,5 | 12 |
| H24192-HG | HM3192 | MS3188 | 124 | 430 | 460 | 580 | 398 | 75 | 94 | Tr460X5 | M8 | 6,5 | 12 |
| H3392-HG | HM3192 | MS3188 | 157 | 430 | 460 | 580 | 451 | 75 | 94 | Tr460X5 | M8 | 6,5 | 12 |
| H3996-HG | HM3096 | MS3096 | 66,8 | 450 | 480 | 560 | 200 | 60 | 75 | Tr480X5 | M8 | 6,5 | 12 |
| H3096-HG | HM3096 | MS3096 | 75,9 | 450 | 480 | 560 | 237 | 60 | 75 | Tr480X5 | M8 | 6,5 | 12 |
| H24096-HG | HM3096 | MS3096 | 84,7 | 450 | 480 | 560 | 301 | 60 | 75 | Tr480X5 | M8 | 6,5 | 12 |
| H3196-HG | HM3196 | MS3196 | 135 | 450 | 480 | 620 | 335 | 75 | 94 | Tr480X5 | M8 | 6,5 | 12 |
| H3296-HG | HM3196 | MS3196 | 155 | 450 | 480 | 620 | 397 | 75 | 94 | Tr480X5 | M8 | 6,5 | 12 |
| H24196-HG | HM3196 | MS3196 | 142 | 450 | 480 | 620 | 408 | 75 | 94 | Tr480X5 | M8 | 6,5 | 12 |
| H3396-HG | HM3196 | MS3196 | 177 | 450 | 480 | 620 | 462 | 75 | 94 | Tr480X5 | M8 | 6,5 | 12 |
| H39/500-HG | HM30/500 | MS3096 | 75,2 | 470 | 500 | 580 | 208 | 68 | 83 | Tr500X5 | M8 | 6,5 | 12 |
| H30/500-HG | HM30/500 | MS3096 | 85,2 | 470 | 500 | 580 | 247 | 68 | 83 | Tr500X5 | M8 | 6,5 | 12 |
| H240/500-HG | HM30/500 | MS3096 | 93,8 | 470 | 500 | 580 | 309 | 68 | 83 | Tr500X5 | M8 | 6,5 | 12 |
| H31/500-HG | HM31/500 | MS31/500 | 145 | 470 | 500 | 630 | 356 | 80 | 99 | Tr500X5 | M8 | 6,5 | 12 |
| H32/500-HG | HM31/500 | MS31/500 | 170 | 470 | 500 | 630 | 428 | 80 | 99 | Tr500X5 | M8 | 6,5 | 12 |
| H241/500-HG | HM31/500 | MS31/500 | 151 | 470 | 500 | 630 | 430 | 80 | 99 | Tr500X5 | M8 | 6,5 | 12 |
| H33/500-HG | HM31/500 | MS31/500 | 189 | 470 | 500 | 630 | 480 | 80 | 99 | Tr500X5 | M8 | 6,5 | 12 |
| H39/530-HG | HM30/530 | MS30/530 | 89 | 500 | 530 | 630 | 216 | 68 | 89 | Tr530X6 | M8 | 6 | 12 |
| H30/530-HG | HM30/530 | MS30/530 | 103 | 500 | 530 | 630 | 265 | 68 | 89 | Tr530X6 | M8 | 6 | 12 |
| H240/530-HG | HM30/530 | MS30/530 | 115 | 500 | 530 | 630 | 343 | 68 | 89 | Tr530X6 | M8 | 6 | 12 |
| H31/530-HG | HM31/530 | MS31/530 | 161 | 500 | 530 | 670 | 364 | 80 | 102 | Tr530X6 | M8 | 6 | 12 |
| H241/530-HG | HM31/530 | MS31/530 | 167 | 500 | 530 | 670 | 440 | 80 | 102 | Tr530X6 | M8 | 6 | 12 |
| H32/530-HG | HM31/530 | MS31/530 | 192 | 500 | 530 | 670 | 447 | 80 | 102 | Tr530X6 | M8 | 6 | 12 |
| H33/530-HG | HM31/530 | MS31/530 | 215 | 500 | 530 | 670 | 504 | 80 | 102 | Tr530X5 | M8 | 6 | 12 |

Manguitos de fijación

con tuerca y grapa de seguridad



Conicidad 1:12
(conicidad 1:30 para H240 y H241)



Manguito de fijación hidráulico
Medidas de conexión

Tabla de medidas (continuación) · Medidas en mm

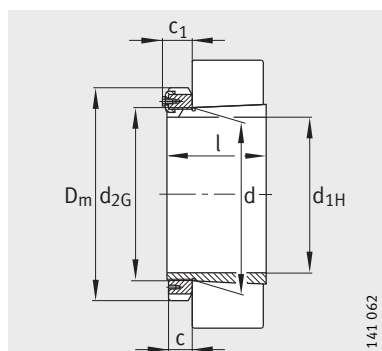
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | | Medidas de montaje | | |
|-------------------------------|----------|--------------------|------------------|-----------------|-----|----------------|-----|--------|---------------------|-----------------|--------------------|---|----|
| Manguito de fijación completo | Tuerca | Grapa de seguridad | | d _{1H} | d | D _m | l | c ≈ | c ₁ ≈ | d _{2G} | R ₀ | e | t |
| H39/560-HG | HM30/560 | MS30/560 | 95,6 | 530 | 560 | 650 | 227 | 75 | 96 | Tr560X6 | M8 | 6 | 12 |
| H30/560-HG | HM30/560 | MS30/560 | 112 | 530 | 560 | 650 | 282 | 75 | 96 | Tr560X6 | M8 | 6 | 12 |
| H240/560-HG | HM30/560 | MS30/560 | 124 | 530 | 560 | 650 | 358 | 75 | 96 | Tr560X6 | M8 | 6 | 12 |
| H31/560-HG | HM31/560 | MS31/560 | 184 | 530 | 560 | 710 | 377 | 85 | 107 | Tr560X6 | M8 | 6 | 12 |
| H32/560-HG | HM31/560 | MS31/560 | 218 | 530 | 560 | 710 | 462 | 85 | 107 | Tr560X6 | M8 | 6 | 12 |
| H241/560-HG | HM31/560 | MS31/560 | 195 | 530 | 560 | 710 | 468 | 85 | 107 | Tr560X6 | M8 | 6 | 12 |
| H33/560-HG | HM31/560 | MS31/560 | 250 | 530 | 560 | 710 | 535 | 85 | 107 | Tr560X6 | M8 | 6 | 12 |
| H39/600-HG | HM30/600 | MS30/530 | 129 | 560 | 600 | 700 | 239 | 75 | 96 | Tr600X6 | G1/8 | 8 | 12 |
| H30/600-HG | HM30/600 | MS30/530 | 149 | 560 | 600 | 700 | 289 | 75 | 96 | Tr600X6 | G1/8 | 8 | 12 |
| H240/600-HG | HM30/600 | MS30/530 | 171 | 560 | 600 | 700 | 377 | 75 | 96 | Tr600X6 | G1/8 | 8 | 12 |
| H31/600-HG | HM31/600 | MS31/560 | 234 | 560 | 600 | 750 | 399 | 85 | 107 | Tr600X6 | G1/8 | 8 | 12 |
| H32/600-HG | HM31/600 | MS31/560 | 279 | 560 | 600 | 750 | 487 | 85 | 107 | Tr600X6 | G1/8 | 8 | 12 |
| H241/600-HG | HM31/600 | MS31/560 | 249 | 560 | 600 | 750 | 490 | 85 | 107 | Tr600X6 | G1/8 | 8 | 12 |
| H33/600-HG | HM31/600 | MS31/560 | 320 | 560 | 600 | 750 | 561 | 85 | 107 | Tr600X6 | G1/8 | 8 | 12 |
| H39/630-HG | HM30/630 | MS30/630 | 123 | 600 | 630 | 730 | 254 | 75 | 96 | Tr630X6 | M8 | 6 | 12 |
| H30/630-HG | HM30/630 | MS30/630 | 139 | 600 | 630 | 730 | 301 | 75 | 96 | Tr630X6 | M8 | 6 | 12 |
| H240/630-HG | HM30/630 | MS30/630 | 157 | 600 | 630 | 730 | 395 | 75 | 96 | Tr630X6 | M8 | 6 | 12 |
| H31/630-HG | HM31/630 | MS31/630 | 251 | 600 | 630 | 800 | 424 | 95 | 117 | Tr630X6 | M8 | 6 | 12 |
| H32/630-HG | HM31/630 | MS31/630 | 297 | 600 | 630 | 800 | 521 | 95 | 117 | Tr630X6 | M8 | 6 | 12 |
| H241/630-HG | HM31/630 | MS31/630 | 263 | 600 | 630 | 800 | 525 | 95 | 117 | Tr630X6 | M8 | 6 | 12 |
| H33/630-HG | HM31/630 | MS31/630 | 338 | 600 | 630 | 800 | 597 | 95 | 117 | Tr630X6 | M8 | 6 | 12 |
| H39/670-HG | HM30/670 | MS30/670 | 166 | 630 | 670 | 780 | 264 | 80 | 101 | Tr670X6 | G1/8 | 8 | 12 |
| H30/670-HG | HM30/670 | MS30/670 | 194 | 630 | 670 | 780 | 324 | 80 | 101 | Tr670X6 | G1/8 | 8 | 12 |
| H240/670-HG | HM30/670 | MS30/670 | 218 | 630 | 670 | 780 | 418 | 80 | 101 | Tr670X6 | G1/8 | 8 | 12 |
| H31/670-HG | HM31/670 | MS31/670 | 341 | 630 | 670 | 850 | 456 | 106 | 128 | Tr670X6 | G1/8 | 8 | 12 |
| H241/670-HG | HM31/670 | MS31/670 | 355 | 630 | 670 | 850 | 548 | 106 | 128 | Tr670X6 | G1/8 | 8 | 12 |
| H32/670-HG | HM31/670 | MS31/670 | 402 | 630 | 670 | 850 | 558 | 106 | 128 | Tr670X6 | G1/8 | 8 | 12 |
| H33/670-HG | HM31/670 | MS31/670 | 453 | 630 | 670 | 850 | 635 | 106 | 128 | Tr670X6 | G1/8 | 8 | 12 |
| H39/710-HG | HM30/710 | MS30/710 | 200 | 670 | 710 | 830 | 286 | 90 | 111 | Tr710X7 | G1/8 | 8 | 12 |
| H30/710-HG | HM30/710 | MS30/710 | 228 | 670 | 710 | 830 | 342 | 90 | 111 | Tr710X7 | G1/8 | 8 | 12 |
| H240/710-HG | HM30/710 | MS30/710 | 254 | 670 | 710 | 830 | 438 | 90 | 111 | Tr710X7 | G1/8 | 8 | 12 |
| H31/710-HG | HM31/710 | MS31/710 | 376 | 670 | 710 | 900 | 467 | 106 | 131 | Tr710X7 | G1/8 | 8 | 12 |
| H32/710-HG | HM31/710 | MS31/710 | 444 | 670 | 710 | 900 | 572 | 106 | 131 | Tr710X7 | G1/8 | 8 | 12 |
| H241/710-HG | HM31/710 | MS31/710 | 397 | 670 | 710 | 900 | 577 | 106 | 131 | Tr710X7 | G1/8 | 8 | 12 |
| H33/710-HG | HM31/710 | MS31/710 | 501 | 670 | 710 | 900 | 652 | 106 | 131 | Tr710X7 | G1/8 | 8 | 12 |



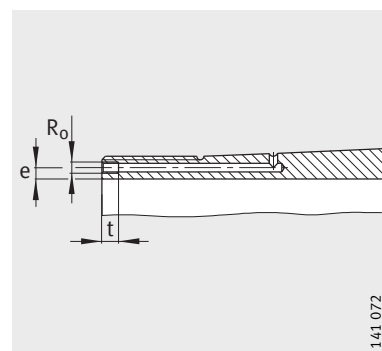
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | | | | |
|---|----------|--------------------|------------------|-----------------|-----|----------------|-----|--------|---------------------|-----------------|--------------------|----|----|
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | | Medidas de montaje | | |
| Manguito de fijación completo | Tuerca | Grapa de seguridad | | d _{1H} | d | D _m | l | c ≈ | c ₁ ≈ | d _{2G} | R ₀ | e | t |
| H39/750-HG | HM30/750 | MS30/750 | 213 | 710 | 750 | 870 | 291 | 90 | 111 | Tr750X7 | G1/8 | 8 | 12 |
| H30/750-HG | HM30/750 | MS30/750 | 248 | 710 | 750 | 870 | 356 | 90 | 111 | Tr750X7 | G1/8 | 8 | 12 |
| H240/750-HG | HM30/750 | MS30/750 | 278 | 710 | 750 | 870 | 460 | 90 | 111 | Tr750X7 | G1/8 | 8 | 12 |
| H31/750-HG | HM31/750 | MS31/750 | 432 | 710 | 750 | 950 | 493 | 112 | 137 | Tr750X7 | G1/8 | 8 | 12 |
| H32/750-HG | HM31/750 | MS31/750 | 508 | 710 | 750 | 950 | 603 | 112 | 137 | Tr750X7 | G1/8 | 8 | 12 |
| H241/750-HG | HM31/750 | MS31/750 | 461 | 710 | 750 | 950 | 622 | 112 | 137 | Tr750X7 | G1/8 | 8 | 12 |
| H33/750-HG | HM31/750 | MS31/750 | 574 | 710 | 750 | 950 | 688 | 112 | 137 | Tr750X7 | G1/8 | 8 | 12 |
| H39/800-HG | HM30/800 | MS30/750 | 263 | 750 | 800 | 920 | 303 | 90 | 111 | Tr800X7 | G1/8 | 10 | 12 |
| H30/800-HG | HM30/800 | MS30/750 | 305 | 750 | 800 | 920 | 366 | 90 | 111 | Tr800X7 | G1/8 | 10 | 12 |
| H240/800-HG | HM30/800 | MS30/750 | 349 | 750 | 800 | 920 | 475 | 90 | 111 | Tr800X7 | G1/8 | 10 | 12 |
| H31/800-HG | HM31/800 | MS31/750 | 515 | 750 | 800 | 1000 | 505 | 112 | 137 | Tr800X7 | G1/8 | 10 | 12 |
| H32/800-HG | HM31/800 | MS31/750 | 611 | 750 | 800 | 1000 | 618 | 112 | 137 | Tr800X7 | G1/8 | 10 | 12 |
| H241/800-HG | HM31/800 | MS31/750 | 552 | 750 | 800 | 1000 | 627 | 112 | 137 | Tr800X7 | G1/8 | 10 | 12 |
| H33/800-HG | HM31/800 | MS31/750 | 716 | 750 | 800 | 1000 | 730 | 112 | 137 | Tr800X7 | G1/8 | 10 | 12 |
| H39/850-HG | HM30/850 | MS30/850 | 292 | 800 | 850 | 980 | 308 | 90 | 115 | Tr850X7 | G1/8 | 10 | 12 |
| H30/850-HG | HM30/850 | MS30/850 | 344 | 800 | 850 | 980 | 380 | 90 | 115 | Tr850X7 | G1/8 | 10 | 12 |
| H240/850-HG | HM30/850 | MS30/850 | 393 | 800 | 850 | 980 | 495 | 90 | 115 | Tr850X7 | G1/8 | 10 | 12 |
| H31/850-HG | HM31/850 | MS31/850 | 590 | 800 | 850 | 1060 | 536 | 118 | 143 | Tr850X7 | G1/8 | 10 | 12 |
| H32/850-HG | HM31/850 | MS31/850 | 696 | 800 | 850 | 1060 | 651 | 118 | 143 | Tr850X7 | G1/8 | 10 | 12 |
| H241/850-HG | HM31/850 | MS31/850 | 624 | 800 | 850 | 1060 | 658 | 118 | 143 | Tr850X7 | G1/8 | 10 | 12 |
| H33/850-HG | HM31/850 | MS31/850 | 814 | 800 | 850 | 1060 | 766 | 118 | 143 | Tr850X7 | G1/8 | 10 | 12 |
| H39/900-HG | HM30/900 | MS30/850 | 335 | 850 | 900 | 1030 | 326 | 100 | 122 | Tr900X7 | G1/8 | 10 | 12 |
| H30/900-HG | HM30/900 | MS30/850 | 392 | 850 | 900 | 1030 | 400 | 100 | 122 | Tr900X7 | G1/8 | 10 | 12 |
| H240/900-HG | HM30/900 | MS30/850 | 446 | 850 | 900 | 1030 | 520 | 100 | 122 | Tr900X7 | G1/8 | 10 | 12 |
| H31/900-HG | HM31/900 | MS31/900 | 674 | 850 | 900 | 1120 | 557 | 125 | 150 | Tr900X7 | G1/8 | 10 | 12 |
| H32/900-HG | HM31/900 | MS31/900 | 775 | 850 | 900 | 1120 | 660 | 125 | 150 | Tr900X7 | G1/8 | 10 | 12 |
| H241/900-HG | HM31/900 | MS31/900 | 712 | 850 | 900 | 1120 | 685 | 125 | 150 | Tr900X7 | G1/8 | 10 | 12 |
| H33/900-HG | HM31/900 | MS31/900 | 923 | 850 | 900 | 1120 | 795 | 125 | 150 | Tr900X7 | G1/8 | 10 | 12 |
| H39/950-HG | HM30/950 | MS30/950 | 369 | 900 | 950 | 1080 | 344 | 100 | 122 | Tr950X8 | G1/8 | 10 | 12 |
| H30/950-HG | HM30/950 | MS30/950 | 432 | 900 | 950 | 1080 | 420 | 100 | 122 | Tr950X8 | G1/8 | 10 | 12 |
| H240/950-HG | HM30/950 | MS30/950 | 499 | 900 | 950 | 1080 | 557 | 100 | 122 | Tr950X8 | G1/8 | 10 | 12 |
| H31/950-HG | HM31/950 | MS31/950 | 738 | 900 | 950 | 1170 | 583 | 125 | 150 | Tr950X8 | G1/8 | 10 | 12 |
| H32/950-HG | HM31/950 | MS31/950 | 835 | 900 | 950 | 1170 | 675 | 125 | 150 | Tr950X8 | G1/8 | 10 | 12 |
| H241/950-HG | HM31/950 | MS31/950 | 776 | 900 | 950 | 1170 | 715 | 125 | 150 | Tr950X8 | G1/8 | 10 | 12 |
| H33/950-HG | HM31/950 | MS31/950 | 1 000 | 900 | 950 | 1170 | 815 | 125 | 150 | Tr950X8 | G1/8 | 10 | 12 |

Manguitos de fijación

con tuerca y grapa de seguridad



Conicidad 1:12
(conicidad 1:30 para H240 y H241)



Manguito de fijación hidráulico
Medidas de conexión

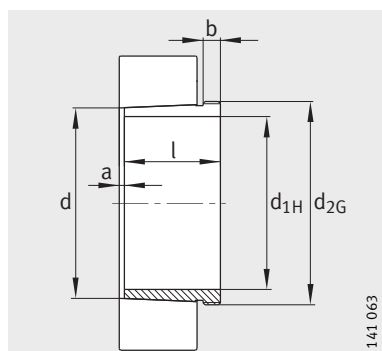
Tabla de medidas (continuación) · Medidas en mm

| Referencias | | | Peso m ≈ kg | Dimensiones | | | | | | | Medida de montaje | | |
|-------------------------------|-----------|--------------------|-------------------|-----------------|-------|----------------|-----|--------|---------------------|-----------------|-------------------|----|----|
| Manguito de fijación completo | Tuerca | Grapa de seguridad | | d _{1H} | d | D _m | l | c ≈ | c ₁ ≈ | d _{2G} | R ₀ | e | t |
| H39/1000-HG | HM30/1000 | MS30/1000 | 410 | 950 | 1 000 | 1 140 | 358 | 100 | 122 | Tr1000X8 | G1/8 | 10 | 12 |
| H30/1000-HG | HM30/1000 | MS30/1000 | 474 | 950 | 1 000 | 1 140 | 430 | 100 | 122 | Tr1000X8 | G1/8 | 10 | 12 |
| H240/1000-HG | HM30/1000 | MS30/1000 | 539 | 950 | 1 000 | 1 140 | 562 | 100 | 122 | Tr1000X8 | G1/8 | 10 | 12 |
| H31/1000-HG | HM31/1000 | MS31/1000 | 840 | 950 | 1 000 | 1 240 | 609 | 125 | 150 | Tr1000X8 | G1/8 | 10 | 12 |
| H32/1000-HG | HM31/1000 | MS31/1000 | 952 | 950 | 1 000 | 1 240 | 707 | 125 | 150 | Tr1000X8 | G1/8 | 10 | 12 |
| H241/1000-HG | HM31/1000 | MS31/1000 | 886 | 950 | 1 000 | 1 240 | 755 | 125 | 150 | Tr1000X8 | G1/8 | 10 | 12 |
| H33/1000-HG | HM31/1000 | MS31/1000 | 1 144 | 950 | 1 000 | 1 240 | 857 | 125 | 150 | Tr1000X8 | G1/8 | 10 | 12 |
| H39/1060-HG | HM30/1060 | MS30/1000 | 493 | 1 000 | 1 060 | 1 200 | 372 | 100 | 122 | Tr1060X8 | G1/4 | 12 | 15 |
| H30/1060-HG | HM30/1060 | MS30/1000 | 574 | 1 000 | 1 060 | 1 200 | 447 | 100 | 122 | Tr1060X8 | G1/4 | 12 | 15 |
| H240/1060-HG | HM30/1060 | MS30/1000 | 665 | 1 000 | 1 060 | 1 200 | 588 | 100 | 122 | Tr1060X8 | G1/4 | 12 | 15 |
| H31/1060-HG | HM31/1060 | MS31/1000 | 985 | 1 000 | 1 060 | 1 300 | 622 | 125 | 150 | Tr1060X8 | G1/4 | 12 | 15 |
| H241/1060-HG | HM31/1060 | MS31/1000 | 1 056 | 1 000 | 1 060 | 1 300 | 775 | 125 | 150 | Tr1060X8 | G1/4 | 12 | 15 |
| H39/1120-HG | HM30/1120 | MS30/1000 | 521 | 1 060 | 1 120 | 1 260 | 372 | 100 | 122 | Tr1120X8 | G1/4 | 12 | 15 |
| H30/1120-HG | HM30/1120 | MS30/1000 | 631 | 1 060 | 1 120 | 1 260 | 467 | 100 | 122 | Tr1120X8 | G1/4 | 12 | 15 |
| H240/1120-HG | HM30/1120 | MS30/1000 | 728 | 1 060 | 1 120 | 1 260 | 612 | 100 | 122 | Tr1120X8 | G1/4 | 12 | 15 |
| H31/1120-HG | HM31/1120 | MS31/1000 | 1 060 | 1 060 | 1 120 | 1 360 | 622 | 125 | 150 | Tr1120X8 | G1/4 | 12 | 15 |
| H241/1120-HG | HM31/1120 | MS31/1000 | 1 168 | 1 060 | 1 120 | 1 360 | 805 | 125 | 150 | Tr1120X8 | G1/4 | 13 | 15 |
| H39/1180-HG | HM30/1180 | MS30/1000 | 576 | 1 120 | 1 180 | 1 320 | 394 | 100 | 122 | Tr1180X8 | G1/4 | 12 | 15 |
| H30/1180-HG | HM30/1180 | MS30/1000 | 682 | 1 120 | 1 180 | 1 320 | 479 | 100 | 122 | Tr1180X8 | G1/4 | 12 | 15 |
| H240/1180-HG | HM30/1180 | MS30/1000 | 782 | 1 120 | 1 180 | 1 320 | 625 | 100 | 122 | Tr1180X8 | G1/4 | 12 | 15 |
| H31/1180-HG | HM31/1180 | MS31/1000 | 1 163 | 1 120 | 1 180 | 1 420 | 647 | 125 | 150 | Tr1180X8 | G1/4 | 12 | 15 |
| H241/1180-HG | HM31/1180 | MS31/1000 | 1 287 | 1 120 | 1 180 | 1 420 | 845 | 125 | 150 | Tr1180X8 | G1/4 | 13 | 15 |
| H39/1250-HG | HM30/1250 | MS30/1000 | 708 | 1 180 | 1 250 | 1 390 | 407 | 110 | 132 | Tr1250X8 | G1/4 | 14 | 15 |
| H30/1250-HG | HM30/1250 | MS30/1000 | 858 | 1 180 | 1 250 | 1 390 | 509 | 110 | 132 | Tr1250X8 | G1/4 | 15 | 15 |
| H240/1250-HG | HM30/1250 | MS30/1000 | 988 | 1 180 | 1 250 | 1 390 | 660 | 110 | 132 | Tr1250X8 | G1/4 | 14 | 15 |
| H31/1250-HG | HM31/1250 | MS31/1000 | 1 377 | 1 180 | 1 250 | 1 490 | 677 | 125 | 150 | Tr1250X8 | G1/4 | 14 | 15 |
| H241/1250-HG | HM31/1250 | MS31/1000 | 1 542 | 1 180 | 1 250 | 1 490 | 885 | 125 | 150 | Tr1250X8 | G1/4 | 14 | 15 |
| H39/1320-HG | HM30/1320 | MS30/1000 | 781 | 1 250 | 1 320 | 1 460 | 430 | 110 | 132 | Tr1320X8 | G1/4 | 14 | 15 |
| H30/1320-HG | HM30/1320 | MS30/1000 | 946 | 1 250 | 1 320 | 1 460 | 534 | 110 | 132 | Tr1320X8 | G1/4 | 15 | 15 |
| H240/1320-HG | HM30/1320 | MS30/1000 | 1 085 | 1 250 | 1 320 | 1 460 | 690 | 110 | 132 | Tr1320X8 | G1/4 | 14 | 15 |
| H31/1320-HG | HM31/1320 | MS31/1000 | 1 515 | 1 250 | 1 320 | 1 560 | 710 | 125 | 150 | Tr1320X8 | G1/4 | 14 | 15 |
| H241/1320-HG | HM31/1320 | MS31/1000 | 1 703 | 1 250 | 1 320 | 1 560 | 935 | 125 | 150 | Tr1320X8 | G1/4 | 14 | 15 |

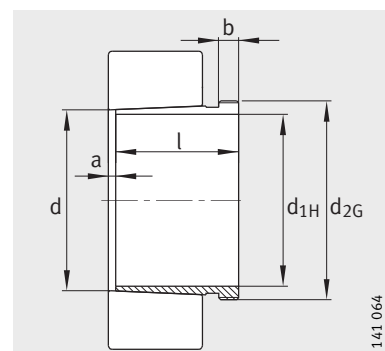
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | | | | |
|---|------------|-----------------------|------------------|-----------------|-------|----------------|-----|--------|---------------------|-----------------|-----------------------|----|----|
| Referencias | | | Peso m ≈kg | Dimensiones | | | | | | | Medidas de montaje | | |
| Manguito de fijación completo | Tuerca | Grapa de seguridad | | d _{1H} | d | D _m | l | c ≈ | c ₁ ≈ | d _{2G} | R ₀ | e | t |
| H39/1400-HG | HM30/1400 | MS30/1000 | 924 | 1 320 | 1 400 | 1 540 | 445 | 110 | 132 | Tr1400X8 | G1/4 | 15 | 15 |
| H30/1400-HG | HM30/1400 | MS30/1000 | 1 113 | 1 320 | 1 400 | 1 540 | 546 | 110 | 132 | Tr1400X8 | G1/4 | 15 | 15 |
| H240/1400-HG | HM30/1400 | MS30/1000 | 1 287 | 1 320 | 1 400 | 1 540 | 705 | 110 | 132 | Tr1400X8 | G1/4 | 14 | 15 |
| H31/1400-HG | HM31/1400 | MS31/1000 | 1 792 | 1 320 | 1 400 | 1 640 | 735 | 130 | 155 | Tr1400X8 | G1/4 | 15 | 15 |
| H241/1400-HG | HM31/1400 | MS31/1000 | 2 030 | 1 320 | 1 400 | 1 640 | 965 | 130 | 155 | Tr1400X8 | G1/4 | 15 | 15 |
| H39/1500-HG | HM30/1500 | MS30/1500 | 1 210 | 1 400 | 1 500 | 1 650 | 465 | 110 | 132 | Tr1500X8 | G1/4 | 15 | 15 |
| H30/1500-HG | HM30/1500 | MS30/1500 | 1 534 | 1 400 | 1 500 | 1 650 | 600 | 110 | 132 | Tr1500X8 | G1/4 | 15 | 15 |
| H240/1500-HG | HM30/1500 | MS30/1500 | 1 791 | 1 400 | 1 500 | 1 650 | 775 | 110 | 132 | Tr1500X8 | G1/4 | 14 | 15 |
| H31/1500-HG | HM31/1500 | MS31/1000 | 2 227 | 1 400 | 1 500 | 1 740 | 755 | 130 | 155 | Tr1500X8 | G1/4 | 15 | 15 |
| H241/1500-HG | HM31/1500 | MS31/1000 | 2 564 | 1 400 | 1 500 | 1 740 | 990 | 130 | 155 | Tr1500X8 | G1/4 | 15 | 15 |
| H39/1600-HG | MU-195077A | MS30/850 | 2 481 | 1 500 | 1 600 | 1 730 | 465 | 100 | 112 | Tr1600X8 | G1/4 | 15 | 15 |
| H39/1700-HG | MU-195078A | MS30/850 | 2 619 | 1 600 | 1 700 | 1 830 | 475 | 100 | 112 | Tr1700X8 | G1/4 | 15 | 15 |



Manguitos de desmontaje



Conicidad 1:12



AH240 y AH241
conicidad 1:30

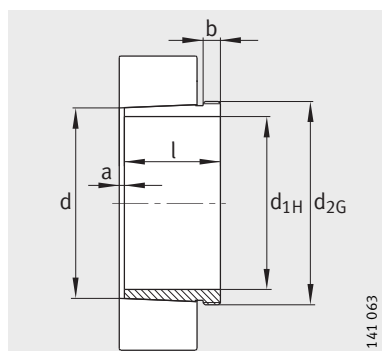
Tabla de medidas · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | |
|-------------|------------------|-----------------|----|------|--------|----|-----------------|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} |
| AH208 | 0,08 | 35 | 40 | 25 | 2 | 6 | M45X1,5 |
| AH308 | 0,09 | 35 | 40 | 29 | 3 | 6 | M45X1,5 |
| AH2308 | 0,13 | 35 | 40 | 40 | 3 | 7 | M45X1,5 |
| AH3308 | 0,15 | 35 | 40 | 44 | 3 | 7 | M45X1,5 |
| AH209 | 0,09 | 40 | 45 | 26 | 3 | 6 | M50X1,5 |
| AH309 | 0,11 | 40 | 45 | 31 | 3 | 6 | M50X1,5 |
| AH2309 | 0,17 | 40 | 45 | 44 | 3 | 7 | M50X1,5 |
| AH3309 | 0,18 | 40 | 45 | 47 | 3 | 7 | M50X1,5 |
| AH210 | 0,12 | 45 | 50 | 28 | 3 | 7 | M55X2 |
| AHX310 | 0,14 | 45 | 50 | 35 | 3 | 7 | M55X2 |
| AHX2310 | 0,22 | 45 | 50 | 50 | 3 | 9 | M55X2 |
| AH3310 | 0,24 | 45 | 50 | 54 | 3 | 9 | M55X2 |
| AH211 | 0,13 | 50 | 55 | 29 | 3 | 7 | M60X2 |
| AHX311 | 0,17 | 50 | 55 | 37 | 3 | 7 | M60X2 |
| AHX2311 | 0,26 | 50 | 55 | 54 | 3 | 10 | M60X2 |
| AH3311 | 0,3 | 50 | 55 | 60 | 3 | 10 | M60X2 |
| AH212 | 0,16 | 55 | 60 | 32 | 3 | 8 | M65X2 |
| AHX312 | 0,2 | 55 | 60 | 40 | 3 | 8 | M65X2 |
| AHX2312 | 0,32 | 55 | 60 | 58 | 3 | 11 | M65X2 |
| AH3312 | 0,41 | 55 | 60 | 65 | 3 | 11 | M70X2 |
| AH213 | 0,21 | 60 | 65 | 32,5 | 3,5 | 8 | M75X2 |
| AH213G | 0,18 | 60 | 65 | 32,5 | 3,5 | 8 | M70X2 |
| AH313 | 0,27 | 60 | 65 | 42 | 3 | 8 | M75X2 |
| AH313G | 0,23 | 60 | 65 | 42 | 3 | 8 | M70X2 |
| AH2313 | 0,42 | 60 | 65 | 61 | 3 | 12 | M75X2 |
| AH2313G | 0,36 | 60 | 65 | 61 | 3 | 12 | M70X2 |
| AH3313 | 0,49 | 60 | 65 | 71 | 3 | 12 | M75X2 |
| AH214 | 0,23 | 65 | 70 | 33,5 | 3,5 | 8 | M80X2 |
| AH214G | 0,2 | 65 | 70 | 33,5 | 3,5 | 8 | M75X2 |
| AH314 | 0,29 | 65 | 70 | 43 | 4 | 8 | M80X2 |
| AH314G | 0,26 | 65 | 70 | 43 | 4 | 8 | M75X2 |
| AHX2314 | 0,47 | 65 | 70 | 64 | 4 | 12 | M80X2 |
| AHX2314G | 0,42 | 65 | 70 | 64 | 4 | 12 | M75X2 |
| AH3314 | 0,57 | 65 | 70 | 76 | 4 | 12 | M80X2 |

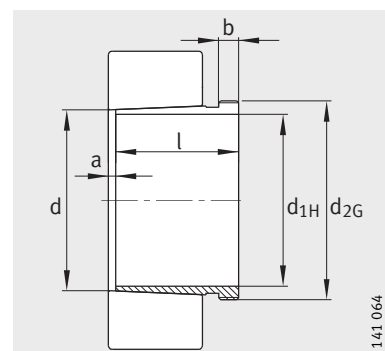
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | |
|---|------------------|-----------------|-----|------|--------|----|-----------------|
| Referencias | Peso m ≈kg | Dimensiones | | | | | |
| | | d _{1H} | d | l | a ≈ | b | d _{2G} |
| AH215 | 0,26 | 70 | 75 | 34,5 | 3,5 | 8 | M85X2 |
| AH215G | 0,22 | 70 | 75 | 34,5 | 3,5 | 8 | M80X2 |
| AH315 | 0,33 | 70 | 75 | 45 | 4 | 8 | M85X2 |
| AH315G | 0,29 | 70 | 75 | 45 | 4 | 8 | M80X2 |
| AHX2315 | 0,54 | 70 | 75 | 68 | 4 | 12 | M85X2 |
| AHX2315G | 0,48 | 70 | 75 | 68 | 4 | 12 | M80X2 |
| AH3315 | 0,66 | 70 | 75 | 81 | 4 | 12 | M85X2 |
| AH216 | 0,28 | 75 | 80 | 35,5 | 3,5 | 8 | M90X2 |
| AH316 | 0,38 | 75 | 80 | 48 | 4 | 8 | M90X2 |
| AHX2316 | 0,61 | 75 | 80 | 71 | 4 | 12 | M90X2 |
| AH3316 | 0,71 | 75 | 80 | 81 | 4 | 12 | M90X2 |
| AH217 | 0,33 | 80 | 85 | 38,5 | 3,5 | 9 | M95X2 |
| AHX317 | 0,44 | 80 | 85 | 52 | 4 | 9 | M95X2 |
| AH3217 | 0,52 | 80 | 85 | 60 | 4 | 10 | M95X2 |
| AHX2317 | 0,68 | 80 | 85 | 74 | 4 | 13 | M95X2 |
| AH3317 | 0,81 | 80 | 85 | 86 | 4 | 13 | M95X2 |
| AH218 | 0,36 | 85 | 90 | 40 | 4 | 9 | M100X2 |
| AHX318 | 0,48 | 85 | 90 | 53 | 4 | 9 | M100X2 |
| AHX3218 | 0,58 | 85 | 90 | 63 | 4 | 10 | M100X2 |
| AHX2318 | 0,78 | 85 | 90 | 79 | 4 | 14 | M100X2 |
| AH3318 | 0,88 | 85 | 90 | 87 | 4 | 14 | M100X2 |
| AH219 | 0,42 | 90 | 95 | 43 | 4 | 10 | M105X2 |
| AHX319 | 0,55 | 90 | 95 | 57 | 4 | 10 | M105X2 |
| AHX3219 | 0,67 | 90 | 95 | 67 | 4 | 11 | M105X2 |
| AHX2319 | 0,91 | 90 | 95 | 85 | 4 | 16 | M105X2 |
| AH3319 | 1,03 | 90 | 95 | 94 | 4 | 16 | M105X2 |
| AH220 | 0,46 | 95 | 100 | 45 | 4 | 10 | M110X2 |
| AHX320 | 0,6 | 95 | 100 | 59 | 4 | 10 | M110X2 |
| AH24020 | 0,5 | 95 | 100 | 62 | 9 | 12 | M105X2 |
| AHX3120 | 0,67 | 95 | 100 | 64 | 4 | 11 | M110X2 |
| AHX3220 | 0,78 | 95 | 100 | 73 | 4 | 11 | M110X2 |
| AH24120 | 0,63 | 95 | 100 | 78 | 9 | 13 | M105X2 |
| AHX2320 | 1,03 | 95 | 100 | 90 | 4 | 16 | M110X2 |
| AH3320 | 1,16 | 95 | 100 | 99 | 4 | 16 | M110X2 |



Manguitos de desmontaje



Conicidad 1:12



AH240 y AH241
conicidad 1:30

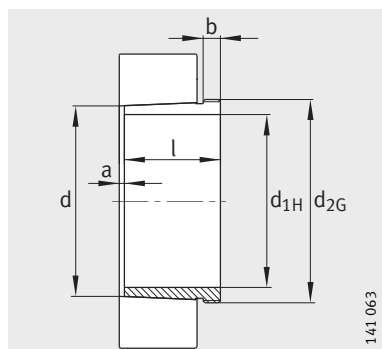
Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} |
| AH222 | 0,57 | 105 | 110 | 50 | 4 | 11 | M120X2 |
| AHX322 | 0,73 | 105 | 110 | 63 | 4 | 12 | M120X2 |
| AHX3122 | 0,79 | 105 | 110 | 68 | 4 | 11 | M120X2 |
| AH24022 | 0,65 | 105 | 110 | 73 | 9 | 13 | M115X2 |
| AH24122 | 0,73 | 105 | 110 | 82 | 9 | 13 | M115X2 |
| AHX3222A | 0,98 | 105 | 110 | 82 | 4 | 11 | M120X2 |
| AHX2322 | 1,38 | 105 | 110 | 98 | 4 | 16 | M125X2 |
| AHX2322G | 1,26 | 105 | 110 | 98 | 4 | 16 | M120X2 |
| AH3322 | 1,54 | 105 | 110 | 108 | 4 | 16 | M125X2 |
| AH224 | 0,67 | 115 | 120 | 53 | 4 | 12 | M130X2 |
| AHX3024 | 0,77 | 115 | 120 | 60 | 4 | 13 | M130X2 |
| AHX324 | 0,89 | 115 | 120 | 69 | 4 | 13 | M130X2 |
| AH24024 | 0,71 | 115 | 120 | 73 | 9 | 13 | M125X2 |
| AHX3124 | 0,97 | 115 | 120 | 75 | 4 | 12 | M130X2 |
| AHX3224A | 1,22 | 115 | 120 | 90 | 4 | 13 | M130X2 |
| AH24124 | 1,02 | 115 | 120 | 93 | 9 | 13 | M130X2 |
| AHX2324 | 1,64 | 115 | 120 | 105 | 4 | 17 | M135X2 |
| AHX2324G | 1,5 | 115 | 120 | 105 | 4 | 17 | M130X2 |
| AH3324 | 1,99 | 115 | 120 | 123 | 4 | 17 | M135X2 |
| AH226 | 0,72 | 125 | 130 | 53 | 4 | 12 | M140X2 |
| AHX3026 | 0,94 | 125 | 130 | 67 | 4 | 14 | M140X2 |
| AHX326 | 1,05 | 125 | 130 | 74 | 4 | 14 | M140X2 |
| AHX3126 | 1,1 | 125 | 130 | 78 | 4 | 12 | M140X2 |
| AH24026 | 0,89 | 125 | 130 | 83 | 10 | 14 | M135X2 |
| AH24126 | 1,13 | 125 | 130 | 94 | 10 | 14 | M140X2 |
| AHX3226 | 1,61 | 125 | 130 | 98 | 4 | 15 | M145X2 |
| AHX3226G | 1,48 | 125 | 130 | 98 | 4 | 15 | M140X2 |
| AHX2326 | 2 | 125 | 130 | 115 | 4 | 19 | M145X2 |
| AHX2326G | 1,84 | 125 | 130 | 115 | 4 | 19 | M140X2 |
| AH3326 | 2,36 | 125 | 130 | 131 | 4 | 19 | M145X2 |

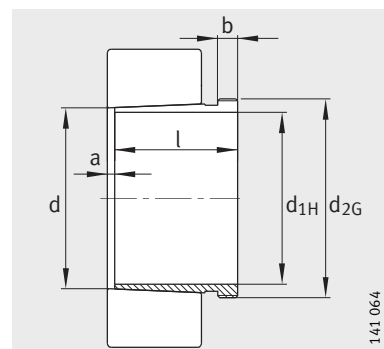
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | |
|---|------------------|-----------------|-----|-----|--------|----|-----------------|
| Referencias | Peso m ≈kg | Dimensiones | | | | | |
| | | d _{1H} | d | l | a ≈ | b | d _{2G} |
| AH228 | 0,83 | 135 | 140 | 56 | 5 | 13 | M150X2 |
| AHX3028 | 1,03 | 135 | 140 | 68 | 5 | 14 | M150X2 |
| AHX328 | 1,18 | 135 | 140 | 77 | 5 | 14 | M150X2 |
| AH24028 | 0,96 | 135 | 140 | 83 | 10 | 14 | M145X2 |
| AHX3128 | 1,29 | 135 | 140 | 83 | 5 | 14 | M150X2 |
| AH24128 | 1,29 | 135 | 140 | 99 | 10 | 14 | M150X2 |
| AHX3228 | 1,86 | 135 | 140 | 104 | 5 | 15 | M155X3 |
| AHX3228G | 1,72 | 135 | 140 | 104 | 5 | 15 | M150X2 |
| AHX2328 | 2,4 | 135 | 140 | 125 | 5 | 20 | M155X3 |
| AHX2328G | 2,21 | 135 | 140 | 125 | 5 | 20 | M150X2 |
| AH3328 | 2,72 | 135 | 140 | 138 | 5 | 20 | M155X3 |
| AH230 | 0,97 | 145 | 150 | 60 | 5 | 14 | M160X3 |
| AHX3030 | 1,18 | 145 | 150 | 72 | 5 | 15 | M160X3 |
| AHX330 | 1,54 | 145 | 150 | 83 | 5 | 15 | M165X3 |
| AHX330G | 1,39 | 145 | 150 | 83 | 5 | 15 | M160X3 |
| AH24030 | 1,12 | 145 | 150 | 90 | 11 | 15 | M155X3 |
| AHX3130 | 1,81 | 145 | 150 | 96 | 5 | 15 | M165X3 |
| AHX3130G | 1,66 | 145 | 150 | 96 | 5 | 15 | M160X3 |
| AHX3230 | 2,25 | 145 | 150 | 114 | 5 | 17 | M165X3 |
| AHX3230G | 2,09 | 145 | 150 | 114 | 5 | 17 | M160X3 |
| AH24130 | 1,63 | 145 | 150 | 115 | 11 | 15 | M160X3 |
| AHX2330 | 2,88 | 145 | 150 | 135 | 5 | 24 | M165X3 |
| AHX2330G | 2,64 | 145 | 150 | 135 | 5 | 24 | M160X3 |
| AH3330 | 3,36 | 145 | 150 | 152 | 5 | 24 | M165X3 |



Manguitos de desmontaje



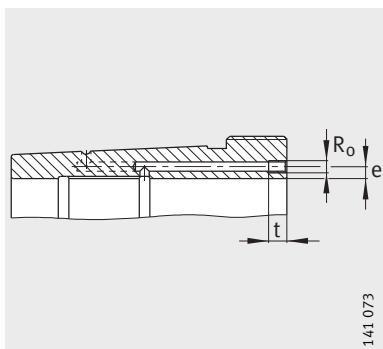
Conicidad 1:12



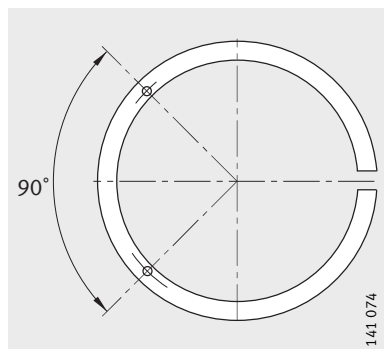
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|---|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH232 | 1,71 | 150 | 160 | 64 | 5 | 15 | M170X3 | — | — | — |
| AH3032 | 2,09 | 150 | 160 | 77 | 5 | 16 | M170X3 | — | — | — |
| AH3032-H | 2,09 | 150 | 160 | 77 | 5 | 16 | M170X3 | M6 | 4,2 | 7 |
| AH332 | 2,76 | 150 | 160 | 88 | 5 | 16 | M180X3 | — | — | — |
| AH332G | 2,42 | 150 | 160 | 88 | 5 | 16 | M170X3 | — | — | — |
| AH24032 | 2,31 | 150 | 160 | 95 | 11 | 15 | M170X3 | — | — | — |
| AH3132A | 2,9 | 150 | 160 | 103 | 5 | 16 | M170X3 | — | — | — |
| AH3132A-H | 2,9 | 150 | 160 | 103 | 5 | 16 | M170X3 | M6 | 4,5 | 7 |
| AH24132 | 3,04 | 150 | 160 | 124 | 11 | 15 | M170X3 | — | — | — |
| AH3232 | 4,08 | 150 | 160 | 124 | 6 | 20 | M180X3 | — | — | — |
| AH3232G | 3,65 | 150 | 160 | 124 | 6 | 20 | M170X3 | — | — | — |
| AH3232G-H | 3,65 | 150 | 160 | 124 | 6 | 20 | M170X3 | M6 | 4,5 | 7 |
| AH3232-H | 4,08 | 150 | 160 | 124 | 6 | 20 | M180X3 | M6 | 4,5 | 7 |
| AH2332 | 4,77 | 150 | 160 | 140 | 6 | 24 | M180X3 | — | — | — |
| AH2332G | 4,26 | 150 | 160 | 140 | 6 | 24 | M170X3 | — | — | — |
| AH2332G-H | 4,26 | 150 | 160 | 140 | 6 | 24 | M170X3 | M6 | 4,5 | 7 |
| AH2332-H | 4,77 | 150 | 160 | 140 | 6 | 24 | M180X3 | M6 | 4,5 | 7 |
| AH3332 | 5,58 | 150 | 160 | 160 | 6 | 24 | M180X3 | — | — | — |
| AH3332-H | 5,58 | 150 | 160 | 160 | 6 | 24 | M180X3 | M6 | 4,5 | 7 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión



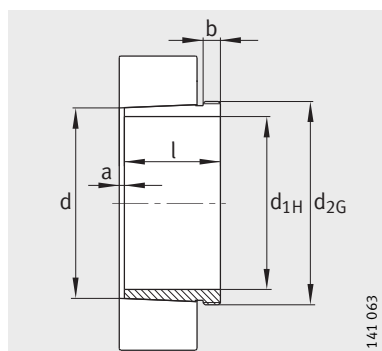
Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

Tabla de medidas (continuación) · Medidas en mm

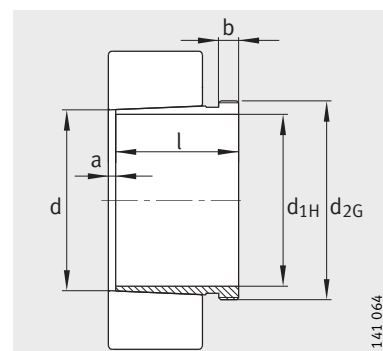
| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|---|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3934A | 1,65 | 160 | 170 | 59 | 5 | 13 | M180X3 | — | — | — |
| AH234 | 1,98 | 160 | 170 | 69 | 5 | 16 | M180X3 | — | — | — |
| AH3034 | 2,48 | 160 | 170 | 85 | 5 | 17 | M180X3 | — | — | — |
| AH3034-H | 2,48 | 160 | 170 | 85 | 5 | 17 | M180X3 | M6 | 4,2 | 7 |
| AH334 | 3,13 | 160 | 170 | 93 | 5 | 17 | M190X3 | — | — | — |
| AH334G | 2,75 | 160 | 170 | 93 | 5 | 17 | M180X3 | — | — | — |
| AH3134A | 3,12 | 160 | 170 | 104 | 5 | 16 | M180X3 | — | — | — |
| AH3134A-H | 3,12 | 160 | 170 | 104 | 5 | 16 | M180X3 | M6 | 4,5 | 7 |
| AH24034 | 2,76 | 160 | 170 | 106 | 11 | 16 | M180X3 | — | — | — |
| AH24134 | 3,27 | 160 | 170 | 125 | 11 | 16 | M180X3 | — | — | — |
| AH3234 | 4,83 | 160 | 170 | 134 | 6 | 24 | M190X3 | — | — | — |
| AH3234G | 4,29 | 160 | 170 | 134 | 6 | 24 | M180X3 | — | — | — |
| AH3234G-H | 4,29 | 160 | 170 | 134 | 6 | 24 | M180X3 | M6 | 4,5 | 7 |
| AH3234-H | 4,83 | 160 | 170 | 134 | 6 | 24 | M190X3 | M6 | 4,5 | 7 |
| AH2334 | 5,32 | 160 | 170 | 146 | 6 | 24 | M190X3 | — | — | — |
| AH2334G | 4,78 | 160 | 170 | 146 | 6 | 24 | M180X3 | — | — | — |
| AH2334G-H | 4,78 | 160 | 170 | 146 | 6 | 24 | M180X3 | M6 | 4,5 | 7 |
| AH2334-H | 5,32 | 160 | 170 | 146 | 6 | 24 | M190X3 | M6 | 4,5 | 7 |
| AH3334 | 6,11 | 160 | 170 | 164 | 6 | 24 | M190X3 | — | — | — |
| AH3334-H | 6,11 | 160 | 170 | 164 | 6 | 24 | M190X3 | M6 | 4,5 | 7 |



Manguitos de desmontaje



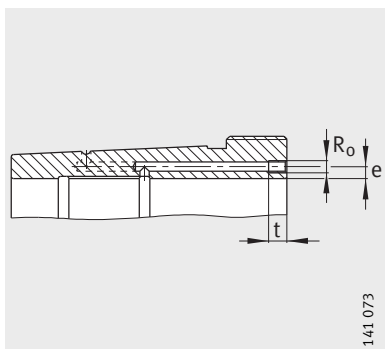
Conicidad 1:12



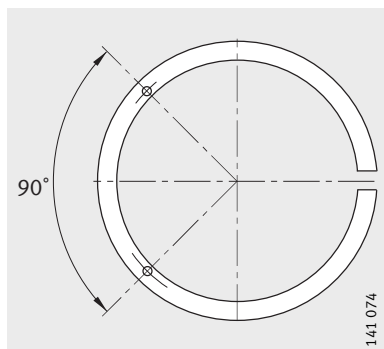
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|---|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3936 | 1,96 | 170 | 180 | 66 | 5 | 13 | M190X3 | — | — | — |
| AH236 | 2,1 | 170 | 180 | 69 | 5 | 16 | M190X3 | — | — | — |
| AH3036 | 2,87 | 170 | 180 | 92 | 6 | 17 | M190X3 | — | — | — |
| AH3036-H | 2,87 | 170 | 180 | 92 | 6 | 17 | M190X3 | M6 | 4,2 | 7 |
| AH2236G | 3,35 | 170 | 180 | 105 | 5 | 17 | M190X3 | — | — | — |
| AH2236G-H | 3,28 | 170 | 180 | 105 | 5 | 17 | M190X3 | M6 | 4,5 | 7 |
| AH2236-H | 3,68 | 170 | 180 | 105 | 5 | 17 | M200X3 | M6 | 4,5 | 7 |
| AH3236 | 5,39 | 170 | 180 | 140 | 6 | 25 | M200X3 | — | — | — |
| AH24036 | 3,21 | 170 | 180 | 116 | 11 | 16 | M190X3 | — | — | — |
| AH3136A | 3,79 | 170 | 180 | 116 | 6 | 19 | M190X3 | — | — | — |
| AH3136A-H | 3,79 | 170 | 180 | 116 | 6 | 19 | M190X3 | M6 | 4,5 | 7 |
| AH24136 | 3,74 | 170 | 180 | 134 | 11 | 16 | M190X3 | — | — | — |
| AH2236 | 3,76 | 170 | 180 | 105 | 5 | 17 | M200X3 | — | — | — |
| AH3236G | 4,8 | 170 | 180 | 140 | 6 | 25 | M190X3 | — | — | — |
| AH3236G-H | 4,8 | 170 | 180 | 140 | 6 | 25 | M190X3 | M6 | 4,5 | 7 |
| AH3236-H | 5,39 | 170 | 180 | 140 | 6 | 25 | M200X3 | M6 | 4,5 | 7 |
| AH2336 | 6,04 | 170 | 180 | 154 | 6 | 26 | M200X3 | — | — | — |
| AH2336G | 5,42 | 170 | 180 | 154 | 6 | 26 | M190X3 | — | — | — |
| AH2336G-H | 5,42 | 170 | 180 | 154 | 6 | 26 | M190X3 | M6 | 4,5 | 7 |
| AH2336-H | 6,04 | 170 | 180 | 154 | 6 | 26 | M200X3 | M6 | 4,5 | 7 |
| AH3336 | 7,1 | 170 | 180 | 176 | 6 | 26 | M200X3 | — | — | — |
| AH3336-H | 7,1 | 170 | 180 | 176 | 6 | 26 | M200X3 | M6 | 4,5 | 7 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión



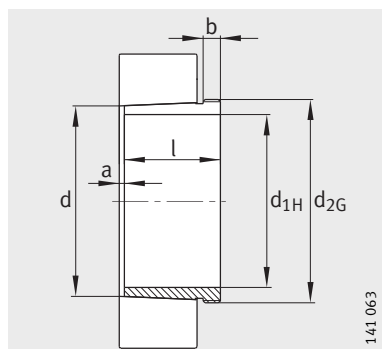
Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

Tabla de medidas (continuación) · Medidas en mm

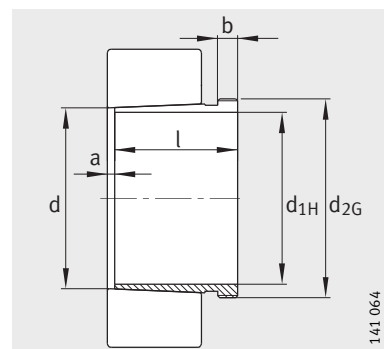
| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|---|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3938 | 2,07 | 180 | 190 | 66 | 5 | 13 | M200X3 | — | — | — |
| AH238 | 2,57 | 180 | 190 | 73 | 5 | 17 | Tr205X4 | — | — | — |
| AH238G | 2,36 | 180 | 190 | 73 | 5 | 17 | M200X3 | — | — | — |
| AH3038 | 3,42 | 180 | 190 | 96 | 6 | 18 | Tr205X4 | — | — | — |
| AH3038G | 3,19 | 180 | 190 | 96 | 6 | 18 | M200X3 | — | — | — |
| AH3038G-H | 3,19 | 180 | 190 | 96 | 6 | 18 | M200X3 | M6 | 4,2 | 7 |
| AH3038-H | 3,42 | 180 | 190 | 96 | 6 | 18 | Tr205X4 | M6 | 4,2 | 7 |
| AH2238 | 4,28 | 180 | 190 | 112 | 5 | 18 | Tr210X4 | — | — | — |
| AH2238G | 3,83 | 180 | 190 | 112 | 5 | 18 | M200X3 | — | — | — |
| AH2238G-H | 3,75 | 180 | 190 | 112 | 5 | 18 | M200X3 | M6 | 4,5 | 7 |
| AH2238-H | 4,19 | 180 | 190 | 112 | 5 | 18 | Tr210X4 | M6 | 4,5 | 7 |
| AH24038 | 3,48 | 180 | 190 | 118 | 13 | 18 | M200X3 | — | — | — |
| AH3138 | 4,89 | 180 | 190 | 125 | 6 | 20 | Tr210X4 | — | — | — |
| AH3138G | 4,39 | 180 | 190 | 125 | 6 | 20 | M200X3 | — | — | — |
| AH3138G-H | 4,39 | 180 | 190 | 125 | 6 | 20 | M200X3 | M6 | 4,5 | 7 |
| AH3138-H | 4,89 | 180 | 190 | 125 | 6 | 20 | Tr210X4 | M6 | 4,5 | 7 |
| AH3238 | 5,92 | 180 | 190 | 145 | 7 | 25 | Tr210X4 | — | — | — |
| AH3238G | 5,3 | 180 | 190 | 145 | 7 | 25 | M200X3 | — | — | — |
| AH3238G-H | 5,3 | 180 | 190 | 145 | 7 | 25 | M200X3 | M6 | 4,5 | 7 |
| AH3238-H | 5,92 | 180 | 190 | 145 | 7 | 25 | Tr210X4 | M6 | 4,5 | 7 |
| AH24138 | 4,37 | 180 | 190 | 146 | 13 | 18 | M200X3 | — | — | — |
| AH2338 | 6,67 | 180 | 190 | 160 | 7 | 26 | Tr210X4 | — | — | — |
| AH2338G | 6,02 | 180 | 190 | 160 | 7 | 26 | M200X3 | — | — | — |
| AH2338G-H | 6,02 | 180 | 190 | 160 | 7 | 26 | M200X3 | M6 | 4,5 | 7 |
| AH2338-H | 6,67 | 180 | 190 | 160 | 7 | 26 | Tr210X4 | M6 | 4,5 | 7 |
| AH3338 | 7,76 | 180 | 190 | 181 | 7 | 26 | Tr210X4 | — | — | — |
| AH3338-H | 7,76 | 180 | 190 | 181 | 7 | 26 | Tr210X4 | M6 | 4,5 | 7 |



Manguitos de desmontaje



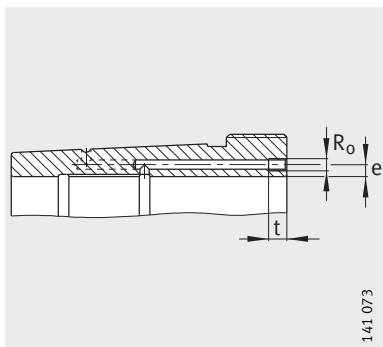
Conicidad 1:12



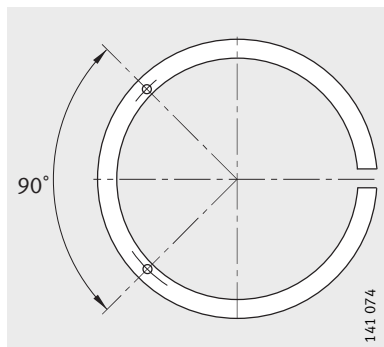
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|---|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH240 | 2,88 | 190 | 200 | 77 | 5 | 18 | Tr215X4 | — | — | — |
| AH240G | 2,43 | 190 | 200 | 77 | 5 | 18 | Tr210X4 | — | — | — |
| AH3940 | 2,62 | 190 | 200 | 77 | 6 | 16 | Tr210X4 | — | — | — |
| AH3040 | 3,86 | 190 | 200 | 102 | 6 | 19 | Tr215X4 | — | — | — |
| AH3040G | 3,62 | 190 | 200 | 102 | 6 | 19 | Tr210X4 | — | — | — |
| AH3040G-H | 3,62 | 190 | 200 | 102 | 6 | 19 | Tr210X4 | M6 | 4,2 | 7 |
| AH3040-H | 3,86 | 190 | 200 | 102 | 6 | 19 | Tr215X4 | M6 | 4,2 | 7 |
| AH2240 | 4,8 | 190 | 200 | 118 | 5 | 19 | Tr220X4 | — | — | — |
| AH2240-H | 4,7 | 190 | 200 | 118 | 5 | 19 | Tr220X4 | M6 | 4,5 | 7 |
| AH24040 | 3,96 | 190 | 200 | 127 | 13 | 18 | Tr210X4 | — | — | — |
| AH3140 | 5,6 | 190 | 200 | 134 | 6 | 21 | Tr220X4 | — | — | — |
| AH3140-H | 5,6 | 190 | 200 | 134 | 6 | 21 | Tr220X4 | M6 | 4,5 | 7 |
| AH3240 | 6,61 | 190 | 200 | 153 | 7 | 24 | Tr220X4 | — | — | — |
| AH3240-H | 6,61 | 190 | 200 | 153 | 7 | 24 | Tr220X4 | M6 | 4,5 | 7 |
| AH24140 | 5,02 | 190 | 200 | 158 | 13 | 18 | Tr210X4 | — | — | — |
| AH2340 | 7,64 | 190 | 200 | 170 | 7 | 30 | Tr220X4 | — | — | — |
| AH2340-H | 7,64 | 190 | 200 | 170 | 7 | 30 | Tr220X4 | M6 | 4,5 | 7 |
| AH3340 | 9,04 | 190 | 200 | 195 | 7 | 30 | Tr220X4 | — | — | — |
| AH3340-H | 9,04 | 190 | 200 | 195 | 7 | 30 | Tr220X4 | M6 | 4,5 | 7 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión



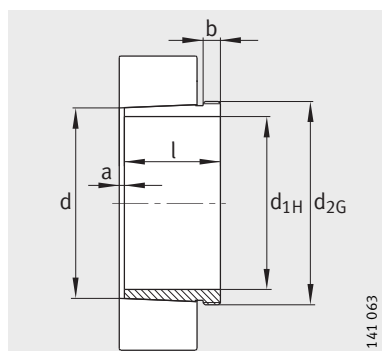
Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

Tabla de medidas (continuación) · Medidas en mm

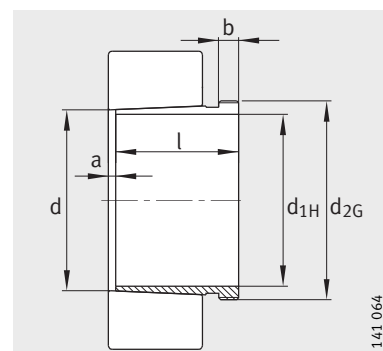
| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|------------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3944 | 4,81 | 200 | 220 | 77 | 6 | 16 | Tr230X4 | – | – | – |
| AH3944-H | 4,81 | 200 | 220 | 77 | 6 | 16 | Tr230X4 | M8 | 7,5 | 12 |
| AH244 | 5,62 | 200 | 220 | 85 | 6 | 18 | Tr235X4 | – | – | – |
| AH244G | 5,36 | 200 | 220 | 85 | 6 | 18 | Tr230X4 | – | – | – |
| AH3044 | 7,47 | 200 | 220 | 111 | 6 | 20 | Tr235X4 | – | – | – |
| AH3044G | 7,18 | 200 | 220 | 111 | 6 | 20 | Tr230X4 | – | – | – |
| AH3044G-H | 7,18 | 200 | 220 | 111 | 6 | 20 | Tr230X4 | G1/8 | 6,5 | 12 |
| AH3044-H | 7,47 | 200 | 220 | 111 | 6 | 20 | Tr235X4 | G1/8 | 8,5 | 12 |
| AH2244 | 9,17 | 200 | 220 | 130 | 6 | 20 | Tr240X4 | – | – | – |
| AH2244-H | 8,99 | 200 | 220 | 130 | 6 | 20 | Tr240X4 | G1/8 | 8,5 | 12 |
| AH24044 | 8,22 | 200 | 220 | 138 | 14 | 18 | Tr230X4 | – | – | – |
| AH24044-H | 8,22 | 200 | 220 | 138 | 14 | 18 | Tr230X4 | M6 | 8 | 7 |
| AH3144 | 10,4 | 200 | 220 | 145 | 6 | 23 | Tr240X4 | – | – | – |
| AH3144-H | 10,4 | 200 | 220 | 145 | 6 | 23 | Tr240X4 | G1/8 | 8,5 | 12 |
| AH24144 | 10,3 | 200 | 220 | 170 | 14 | 20 | Tr230X4 | – | – | – |
| AH24144-H | 10,3 | 200 | 220 | 170 | 14 | 20 | Tr230X4 | M6 | 8 | 7 |
| AH2344 | 13,6 | 200 | 220 | 181 | 8 | 30 | Tr240X4 | – | – | – |
| AH2344-H | 13,6 | 200 | 220 | 181 | 8 | 30 | Tr240X4 | G1/8 | 8,5 | 12 |
| AH3344 | 16,2 | 200 | 220 | 210 | 8 | 30 | Tr240X4 | – | – | – |
| AH3344-H | 16,2 | 200 | 220 | 210 | 8 | 30 | Tr240X4 | G1/8 | 8,5 | 12 |



Manguitos de desmontaje



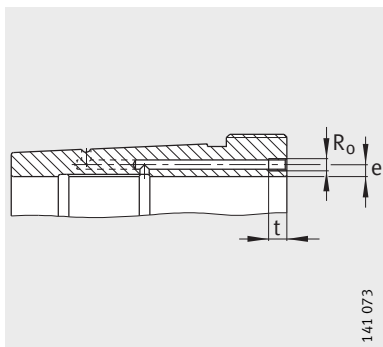
Conicidad 1:12



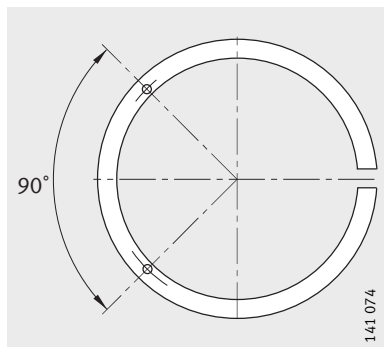
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3948 | 5,26 | 220 | 240 | 77 | 6 | 16 | Tr250X4 | — | — | — |
| AH3948-H | 5,26 | 220 | 240 | 77 | 6 | 16 | Tr250X4 | M8 | 7,5 | 12 |
| AH248 | 7,41 | 220 | 240 | 96 | 6 | 22 | Tr260X4 | — | — | — |
| AH3048 | 8,92 | 220 | 240 | 116 | 7 | 21 | Tr260X4 | — | — | — |
| AH3048-H | 8,92 | 220 | 240 | 116 | 7 | 21 | Tr260X4 | G1/8 | 8,5 | 12 |
| AH24048 | 9,03 | 220 | 240 | 138 | 15 | 20 | Tr250X4 | — | — | — |
| AH24048-H | 9,03 | 220 | 240 | 138 | 15 | 20 | Tr250X4 | M6 | 8 | 7 |
| AH2248 | 11,3 | 220 | 240 | 144 | 6 | 21 | Tr260X4 | — | — | — |
| AH2248-H | 11,0 | 220 | 240 | 144 | 6 | 21 | Tr260X4 | G1/8 | 8,5 | 12 |
| AH3148 | 12,3 | 220 | 240 | 154 | 7 | 25 | Tr260X4 | — | — | — |
| AH3148-H | 12,3 | 220 | 240 | 154 | 7 | 25 | Tr260X4 | G1/8 | 8,5 | 12 |
| AH24148 | 12,6 | 220 | 240 | 180 | 15 | 20 | Tr260X4 | — | — | — |
| AH24148-H | 12,6 | 220 | 240 | 180 | 15 | 20 | Tr260X4 | G1/8 | 8,5 | 12 |
| AH2348 | 15,6 | 220 | 240 | 189 | 8 | 30 | Tr260X4 | — | — | — |
| AH2348-H | 15,6 | 220 | 240 | 189 | 8 | 30 | Tr260X4 | G1/8 | 8,5 | 12 |
| AH3348 | 19,3 | 220 | 240 | 225 | 8 | 30 | Tr260X4 | — | — | — |
| AH3348-H | 19,3 | 220 | 240 | 225 | 8 | 30 | Tr260X4 | G1/8 | 8,5 | 12 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión



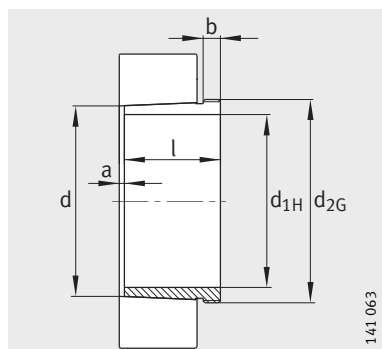
Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

Tabla de medidas (continuación) · Medidas en mm

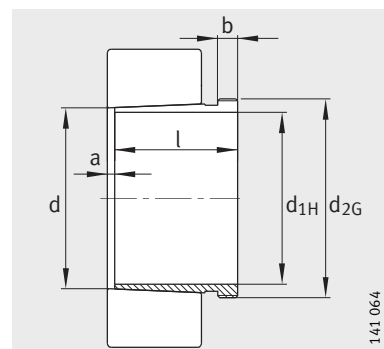
| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3952 | 7,39 | 240 | 260 | 94 | 6 | 18 | Tr275X4 | — | — | — |
| AH3952G | 7,7 | 240 | 260 | 94 | 6 | 18 | Tr280X4 | — | — | — |
| AH3952G-H | 7,7 | 240 | 260 | 94 | 6 | 18 | Tr280X4 | M8 | 7,5 | 12 |
| AH3952-H | 7,39 | 240 | 260 | 94 | 6 | 18 | Tr275X4 | M8 | 7,5 | 12 |
| AH252 | 8,83 | 240 | 260 | 105 | 6 | 23 | Tr280X4 | — | — | — |
| AH3052 | 10,8 | 240 | 260 | 128 | 7 | 23 | Tr280X4 | — | — | — |
| AH3052-H | 10,8 | 240 | 260 | 128 | 7 | 23 | Tr280X4 | G1/8 | 8,5 | 12 |
| AH2252 | 14,1 | 240 | 260 | 155 | 6 | 23 | Tr290X4 | — | — | — |
| AH2252G | 13,3 | 240 | 260 | 155 | 6 | 23 | Tr280X4 | — | — | — |
| AH2252G-H | 13,1 | 240 | 260 | 155 | 6 | 23 | Tr280X4 | G1/8 | 8,5 | 12 |
| AH2252-H | 13,8 | 240 | 260 | 155 | 6 | 23 | Tr290X4 | G1/8 | 8,5 | 12 |
| AH24052 | 11,6 | 240 | 260 | 162 | 16 | 20 | Tr270X4 | — | — | — |
| AH24052G | 12,3 | 240 | 260 | 162 | 16 | 20 | Tr280X4 | — | — | — |
| AH24052G-H | 12,3 | 240 | 260 | 162 | 16 | 20 | Tr280X4 | M6 | 8 | 7 |
| AH24052-H | 11,6 | 240 | 260 | 162 | 16 | 20 | Tr270X4 | M6 | 8 | 7 |
| AH3152 | 16 | 240 | 260 | 172 | 7 | 26 | Tr290X4 | — | — | — |
| AH3152G | 15,1 | 240 | 260 | 172 | 7 | 26 | Tr280X4 | — | — | — |
| AH3152G-H | 15,1 | 240 | 260 | 172 | 7 | 26 | Tr280X4 | G1/8 | 7 | 12 |
| AH3152-H | 16 | 240 | 260 | 172 | 7 | 26 | Tr290X4 | G1/8 | 7 | 12 |
| AH24152 | 15,5 | 240 | 260 | 202 | 16 | 22 | Tr280X4 | — | — | — |
| AH24152-H | 15,5 | 240 | 260 | 202 | 16 | 22 | Tr280X4 | G1/8 | 8,5 | 12 |
| AH2352 | 19,7 | 240 | 260 | 205 | 8 | 30 | Tr290X4 | — | — | — |
| AH2352G | 18,7 | 240 | 260 | 205 | 8 | 30 | Tr280X4 | — | — | — |
| AH2352G-H | 18,7 | 240 | 260 | 205 | 8 | 30 | Tr280X4 | G1/8 | 8,5 | 12 |
| AH2352-H | 19,7 | 240 | 260 | 205 | 8 | 30 | Tr290X4 | G1/8 | 8,5 | 12 |
| AH3352 | 23,2 | 240 | 260 | 236 | 8 | 30 | Tr290X4 | — | — | — |
| AH3352-H | 23,2 | 240 | 260 | 236 | 8 | 30 | Tr290X4 | G1/8 | 8,5 | 12 |



Manguitos de desmontaje



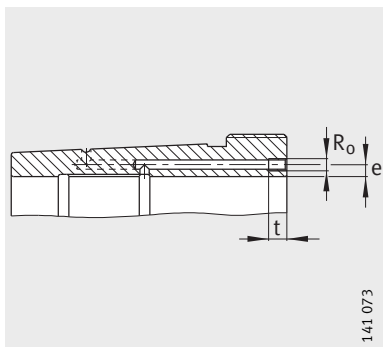
Conicidad 1:12



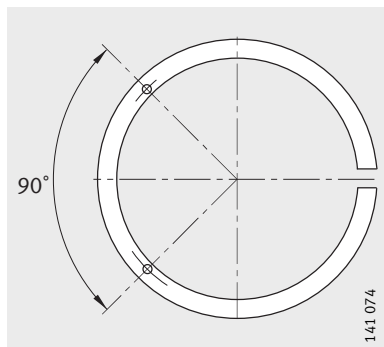
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3956 | 7,98 | 260 | 280 | 94 | 6 | 18 | Tr295X4 | — | — | — |
| AH3956G | 8,3 | 260 | 280 | 94 | 6 | 18 | Tr300X4 | — | — | — |
| AH3956G-H | 8,3 | 260 | 280 | 94 | 6 | 18 | Tr300X4 | M8 | 7,5 | 12 |
| AH3956-H | 7,98 | 260 | 280 | 94 | 6 | 18 | Tr295X4 | M8 | 7,5 | 12 |
| AH256 | 9,52 | 260 | 280 | 105 | 8 | 23 | Tr300X4 | — | — | — |
| AH3056 | 12 | 260 | 280 | 131 | 8 | 24 | Tr300X4 | — | — | — |
| AH3056-H | 12 | 260 | 280 | 131 | 8 | 24 | Tr300X4 | G1/8 | 8,5 | 12 |
| AH2256 | 15,3 | 260 | 280 | 155 | 8 | 24 | Tr310X4 | — | — | — |
| AH2256G | 14,4 | 260 | 280 | 155 | 8 | 24 | Tr300X4 | — | — | — |
| AH2256G-H | 14,1 | 260 | 280 | 155 | 8 | 24 | Tr300X4 | G1/8 | 8,5 | 12 |
| AH2256-H | 15 | 260 | 280 | 155 | 8 | 24 | Tr310X4 | G1/8 | 8,5 | 12 |
| AH24056 | 12,6 | 260 | 280 | 162 | 17 | 22 | Tr290X4 | — | — | — |
| AH24056G | 13,4 | 260 | 280 | 162 | 17 | 22 | Tr300X4 | — | — | — |
| AH24056G-H | 13,4 | 260 | 280 | 162 | 17 | 22 | Tr300X4 | M6 | 8 | 7 |
| AH24056-H | 12,6 | 260 | 280 | 162 | 17 | 22 | Tr290X4 | M6 | 8 | 7 |
| AH3156 | 17,7 | 260 | 280 | 175 | 8 | 28 | Tr310X4 | — | — | — |
| AH3156G | 16,7 | 260 | 280 | 175 | 8 | 28 | Tr300X4 | — | — | — |
| AH3156G-H | 16,7 | 260 | 280 | 175 | 8 | 28 | Tr300X4 | G1/8 | 8,5 | 12 |
| AH3156-H | 17,7 | 260 | 280 | 175 | 8 | 28 | Tr310X4 | G1/8 | 8,5 | 12 |
| AH24156 | 16,7 | 260 | 280 | 202 | 17 | 22 | Tr300X4 | — | — | — |
| AH24156-H | 16,7 | 260 | 280 | 202 | 17 | 22 | Tr300X4 | G1/8 | 8,5 | 12 |
| AH2356 | 22,1 | 260 | 280 | 212 | 8 | 30 | Tr310X4 | — | — | — |
| AH2356G | 20,9 | 260 | 280 | 212 | 8 | 30 | Tr300X4 | — | — | — |
| AH2356G-H | 20,9 | 260 | 280 | 212 | 8 | 30 | Tr300X4 | G1/8 | 8,5 | 12 |
| AH2356-H | 22,1 | 260 | 280 | 212 | 8 | 30 | Tr310X4 | G1/8 | 8,5 | 12 |
| AH3356 | 27,4 | 260 | 280 | 254 | 8 | 30 | Tr310X4 | — | — | — |
| AH3356-H | 27,4 | 260 | 280 | 254 | 8 | 30 | Tr310X4 | G1/8 | 8,5 | 12 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión



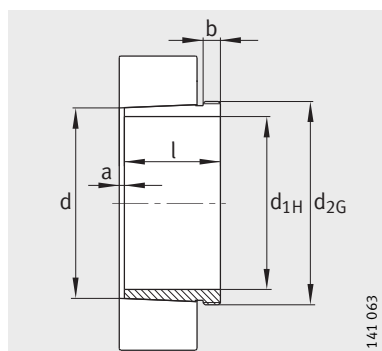
Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

Tabla de medidas (continuación) · Medidas en mm

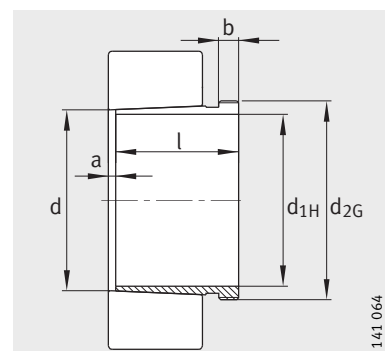
| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3960 | 10,4 | 280 | 300 | 112 | 7 | 21 | Tr315X5 | – | – | – |
| AH3960G | 10,8 | 280 | 300 | 112 | 7 | 21 | Tr320X5 | – | – | – |
| AH3960G-H | 10,8 | 280 | 300 | 112 | 7 | 21 | Tr320X5 | M8 | 7,5 | 12 |
| AH3960-H | 10,4 | 280 | 300 | 112 | 7 | 21 | Tr315X5 | M8 | 7,5 | 12 |
| AH3060 | 14,4 | 280 | 300 | 145 | 8 | 26 | Tr320X5 | – | – | – |
| AH3060-H | 14,4 | 280 | 300 | 145 | 8 | 26 | Tr320X5 | G1/8 | 8,5 | 12 |
| AH2260 | 18,3 | 280 | 300 | 170 | 8 | 26 | Tr330X5 | – | – | – |
| AH2260G | 17,2 | 280 | 300 | 170 | 8 | 26 | Tr320X5 | – | – | – |
| AH2260G-H | 16,9 | 280 | 300 | 170 | 8 | 26 | Tr320X5 | G1/8 | 8,5 | 12 |
| AH2260-H | 17,9 | 280 | 300 | 170 | 8 | 26 | Tr330X5 | G1/8 | 8,5 | 12 |
| AH24060 | 15,5 | 280 | 300 | 184 | 18 | 24 | Tr310X4 | – | – | – |
| AH24060G | 16,4 | 280 | 300 | 184 | 18 | 24 | Tr320X5 | – | – | – |
| AH24060G-H | 16,4 | 280 | 300 | 184 | 18 | 24 | Tr320X5 | M6 | 8 | 7 |
| AH24060-H | 15,5 | 280 | 300 | 184 | 18 | 24 | Tr310X4 | M6 | 8 | 7 |
| AH3160 | 21,2 | 280 | 300 | 192 | 8 | 30 | Tr330X5 | – | – | – |
| AH3160G | 20 | 280 | 300 | 192 | 8 | 30 | Tr320X5 | – | – | – |
| AH3160G-H | 20 | 280 | 300 | 192 | 8 | 30 | Tr320X5 | G1/8 | 8,5 | 12 |
| AH3160-H | 21,2 | 280 | 300 | 192 | 8 | 30 | Tr330X5 | G1/8 | 8,5 | 12 |
| AH24160 | 20,1 | 280 | 300 | 224 | 18 | 24 | Tr320X5 | – | – | – |
| AH24160-H | 20,1 | 280 | 300 | 224 | 18 | 24 | Tr320X5 | G1/8 | 8,5 | 12 |
| AH3260 | 26 | 280 | 300 | 228 | 8 | 34 | Tr330X5 | – | – | – |
| AH3260G | 24,6 | 280 | 300 | 228 | 8 | 34 | Tr320X5 | – | – | – |
| AH3260G-H | 24,6 | 280 | 300 | 228 | 8 | 34 | Tr320X5 | G1/8 | 8,5 | 12 |
| AH3260-H | 26 | 280 | 300 | 228 | 8 | 34 | Tr330X5 | G1/8 | 8,5 | 12 |
| AH3360 | 31,8 | 280 | 300 | 270 | 8 | 34 | Tr330X5 | – | – | – |
| AH3360-H | 31,8 | 280 | 300 | 270 | 8 | 34 | Tr330X5 | G1/8 | 8,5 | 12 |



Manguitos de desmontaje



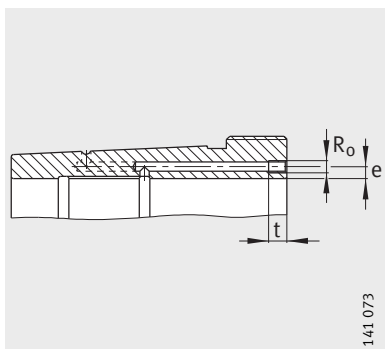
Conicidad 1:12



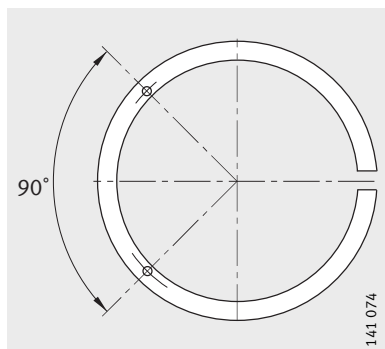
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3964G-H | 11,5 | 300 | 320 | 112 | 7 | 21 | Tr340X5 | M8 | 7,5 | 12 |
| AH3964-H | 11,1 | 300 | 320 | 112 | 7 | 21 | Tr335X5 | M8 | 7,5 | 12 |
| AH3064G-H | 15,9 | 300 | 320 | 149 | 8 | 27 | Tr340X5 | G1/8 | 8,5 | 12 |
| AH3064-H | 16,5 | 300 | 320 | 149 | 8 | 27 | Tr345X5 | G1/8 | 8,5 | 12 |
| AH2264G-H | 19,3 | 300 | 320 | 180 | 10 | 27 | Tr340X5 | G1/8 | 8,5 | 12 |
| AH2264-H | 20,4 | 300 | 320 | 180 | 10 | 27 | Tr350X5 | G1/8 | 8,5 | 12 |
| AH24064G-H | 17,5 | 300 | 320 | 184 | 18 | 24 | Tr340X5 | M6 | 8 | 7 |
| AH24064-H | 16,6 | 300 | 320 | 184 | 18 | 24 | Tr330X5 | M6 | 8 | 7 |
| AH3164G-H | 23,6 | 300 | 320 | 209 | 8 | 31 | Tr340X5 | G1/8 | 8,5 | 12 |
| AH3164-H | 24,9 | 300 | 320 | 209 | 8 | 31 | Tr350X5 | G1/8 | 8,5 | 12 |
| AH24164-H | 23,4 | 300 | 320 | 242 | 18 | 24 | Tr340X5 | G1/8 | 8,5 | 12 |
| AH3264G-H | 28,9 | 300 | 320 | 246 | 8 | 36 | Tr340X5 | G1/8 | 8,5 | 12 |
| AH3264-H | 30,4 | 300 | 320 | 246 | 8 | 36 | Tr350X5 | G1/8 | 8,5 | 12 |
| AH3364-H | 37,9 | 300 | 320 | 294 | 8 | 36 | Tr350X5 | G1/8 | 8,5 | 12 |
| AH3968G-H | 12,3 | 320 | 340 | 112 | 7 | 21 | Tr360X5 | M8 | 7,5 | 12 |
| AH3968-H | 11,8 | 320 | 340 | 112 | 7 | 21 | Tr355X5 | M8 | 7,5 | 12 |
| AH3068G-H | 18,6 | 320 | 340 | 162 | 9 | 28 | Tr360X5 | G1/8 | 8,5 | 12 |
| AH3068-H | 19,2 | 320 | 340 | 162 | 9 | 28 | Tr365X5 | G1/8 | 8,5 | 12 |
| AH24068-H | 21,1 | 320 | 340 | 206 | 19 | 26 | Tr360X5 | G1/8 | 8,5 | 12 |
| AH3168G-H | 27,5 | 320 | 340 | 225 | 9 | 33 | Tr360X5 | G1/8 | 8,5 | 12 |
| AH3168-H | 28,9 | 320 | 340 | 225 | 9 | 33 | Tr370X5 | G1/8 | 8,5 | 12 |
| AH3268G-H | 33,6 | 320 | 340 | 264 | 9 | 38 | Tr360X5 | G1/8 | 8,5 | 12 |
| AH3268-H | 35,3 | 320 | 340 | 264 | 9 | 38 | Tr370X5 | G1/8 | 8,5 | 12 |
| AH24168-H | 28 | 320 | 340 | 269 | 19 | 26 | Tr360X5 | G1/8 | 8,5 | 12 |
| AH3368-H | 43,1 | 320 | 340 | 310 | 9 | 38 | Tr370X5 | G1/8 | 8,5 | 12 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión

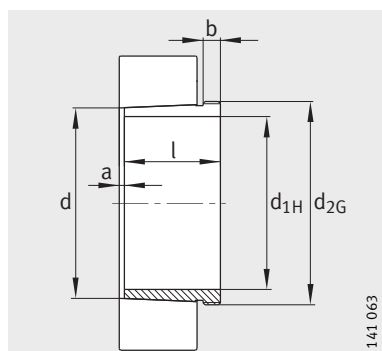


Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

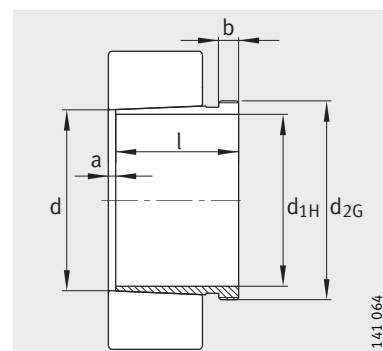
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | |
|---|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3972G-H | 13 | 340 | 360 | 112 | 7 | 21 | Tr380X5 | M8 | 7,5 | 12 |
| AH3972-H | 12,5 | 340 | 360 | 112 | 7 | 21 | Tr375X5 | M8 | 7,5 | 12 |
| AH3072G-H | 20,5 | 340 | 360 | 167 | 9 | 30 | Tr380X5 | G1/8 | 8,5 | 12 |
| AH3072-H | 21,2 | 340 | 360 | 167 | 9 | 30 | Tr385X5 | G1/8 | 8,5 | 12 |
| AH24072-H | 22,3 | 340 | 360 | 206 | 20 | 26 | Tr380X5 | G1/8 | 8,5 | 12 |
| AH3172G-H | 29,8 | 340 | 360 | 229 | 9 | 35 | Tr380X5 | G1/8 | 8,5 | 12 |
| AH3172-H | 33,1 | 340 | 360 | 229 | 9 | 35 | Tr400X5 | G1/8 | 8,5 | 12 |
| AH24172-H | 29,7 | 340 | 360 | 269 | 20 | 26 | Tr380X5 | G1/8 | 8,5 | 12 |
| AH3272G-H | 37,3 | 340 | 360 | 274 | 9 | 40 | Tr380X5 | G1/8 | 8,5 | 12 |
| AH3272-H | 41,1 | 340 | 360 | 274 | 9 | 40 | Tr400X5 | G1/8 | 8,5 | 12 |
| AH3372-H | 51,5 | 340 | 360 | 330 | 9 | 40 | Tr400X5 | G1/8 | 8,5 | 12 |
| AH3976G-H | 16,1 | 360 | 380 | 130 | 8 | 22 | Tr400X5 | M8 | 7,5 | 12 |
| AH3976-H | 15,6 | 360 | 380 | 130 | 8 | 22 | Tr395X5 | M8 | 7,5 | 12 |
| AH3076G-H | 22,1 | 360 | 380 | 170 | 10 | 31 | Tr400X5 | G1/8 | 8,5 | 12 |
| AH3076-H | 23,6 | 360 | 380 | 170 | 10 | 31 | Tr410X5 | G1/8 | 8,5 | 12 |
| AH24076-H | 24 | 360 | 380 | 208 | 20 | 28 | Tr400X5 | G1/8 | 8,5 | 12 |
| AH3176G-H | 32 | 360 | 380 | 232 | 10 | 36 | Tr400X5 | G1/8 | 8,5 | 12 |
| AH3176-H | 35,6 | 360 | 380 | 232 | 10 | 36 | Tr420X5 | G1/8 | 8,5 | 12 |
| AH24176-H | 31,8 | 360 | 380 | 271 | 20 | 28 | Tr400X5 | G1/8 | 8,5 | 12 |
| AH3276G-H | 41,3 | 360 | 380 | 284 | 10 | 42 | Tr400X5 | G1/8 | 8,5 | 12 |
| AH3276-H | 45,5 | 360 | 380 | 284 | 10 | 42 | Tr420X5 | G1/8 | 8,5 | 12 |
| AH3376-H | 57,1 | 360 | 380 | 342 | 10 | 42 | Tr420X5 | G1/8 | 8,5 | 12 |
| AH3980G-H | 17 | 380 | 400 | 130 | 8 | 22 | Tr420X5 | M8 | 7,5 | 12 |
| AH3980-H | 16,4 | 380 | 400 | 130 | 8 | 22 | Tr415X5 | M8 | 7,5 | 12 |
| AH3080G-H | 25,4 | 380 | 400 | 183 | 10 | 33 | Tr420X5 | G1/8 | 8,5 | 12 |
| AH3080-H | 27,1 | 380 | 400 | 183 | 10 | 33 | Tr430X5 | G1/8 | 8,5 | 12 |
| AH24080-H | 27,8 | 380 | 400 | 228 | 20 | 28 | Tr420X5 | G1/8 | 8,5 | 12 |
| AH3180G-H | 35,1 | 380 | 400 | 240 | 10 | 38 | Tr420X5 | G1/8 | 8,5 | 12 |
| AH3180-H | 39,1 | 380 | 400 | 240 | 10 | 38 | Tr440X5 | G1/8 | 8,5 | 12 |
| AH24180-H | 34,4 | 380 | 400 | 278 | 20 | 28 | Tr420X5 | G1/8 | 8,5 | 12 |
| AH3280G-H | 47,1 | 380 | 400 | 302 | 10 | 44 | Tr420X5 | G1/8 | 8,5 | 12 |
| AH3280-H | 51,7 | 380 | 400 | 302 | 10 | 44 | Tr440X5 | G1/8 | 8,5 | 12 |
| AH3380-H | 62,5 | 380 | 400 | 352 | 10 | 44 | Tr440X5 | G1/8 | 8,5 | 12 |



Manguitos de desmontaje



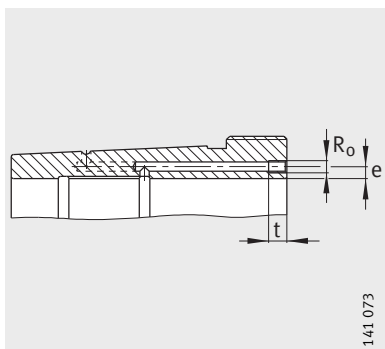
Conicidad 1:12



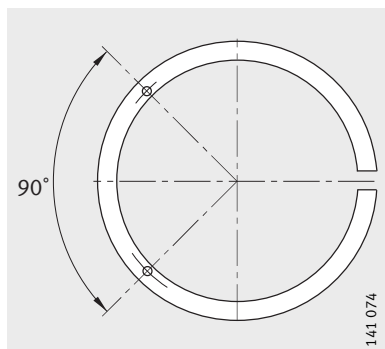
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|-------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3984G-H | 17,8 | 400 | 420 | 130 | 8 | 22 | Tr440X5 | M8 | 7,5 | 12 |
| AH3984-H | 17,3 | 400 | 420 | 130 | 8 | 22 | Tr435X5 | M8 | 7,5 | 12 |
| AH3084G-H | 27,2 | 400 | 420 | 186 | 10 | 34 | Tr440X5 | G1/8 | 8,5 | 12 |
| AH3084-H | 29,1 | 400 | 420 | 186 | 10 | 34 | Tr450X5 | G1/8 | 8,5 | 12 |
| AH24084-H | 29,6 | 400 | 420 | 230 | 22 | 30 | Tr440X5 | G1/8 | 8,5 | 12 |
| AH3184G-H | 42 | 400 | 420 | 266 | 10 | 40 | Tr440X5 | G1/8 | 8,5 | 12 |
| AH3184-H | 46,4 | 400 | 420 | 266 | 10 | 40 | Tr460X5 | G1/8 | 8,5 | 12 |
| AH24184-H | 41 | 400 | 420 | 310 | 22 | 30 | Tr440X5 | G1/8 | 8,5 | 12 |
| AH3284G-H | 53,6 | 400 | 420 | 321 | 10 | 46 | Tr440X5 | G1/8 | 8,5 | 12 |
| AH3284-H | 58,6 | 400 | 420 | 321 | 10 | 46 | Tr460X5 | G1/8 | 8,5 | 12 |
| AH3384-H | 67,9 | 400 | 420 | 361 | 10 | 46 | Tr460X5 | G1/8 | 8,5 | 12 |
| AH3988-H | 21,2 | 420 | 440 | 145 | 8 | 25 | Tr460X5 | G1/8 | 8,5 | 12 |
| AHX3088G-H | 30 | 420 | 440 | 194 | 11 | 35 | Tr460X5 | G1/8 | 8,5 | 12 |
| AHX3088-H | 31,9 | 420 | 440 | 194 | 11 | 35 | Tr470X5 | G1/8 | 8,5 | 12 |
| AH24088-H | 32,8 | 420 | 440 | 242 | 22 | 30 | Tr460X5 | G1/8 | 8,5 | 12 |
| AHX3188G-H | 44,9 | 420 | 440 | 270 | 11 | 42 | Tr460X5 | G1/8 | 8,5 | 12 |
| AHX3188-H | 49,7 | 420 | 440 | 270 | 11 | 42 | Tr480X5 | G1/8 | 8,5 | 12 |
| AH24188-H | 42,9 | 420 | 440 | 310 | 22 | 30 | Tr460X5 | G1/8 | 8,5 | 12 |
| AHX3288G-H | 58,2 | 420 | 440 | 330 | 11 | 48 | Tr460X5 | G1/8 | 8,5 | 12 |
| AHX3288-H | 63,7 | 420 | 440 | 330 | 11 | 48 | Tr480X5 | G1/8 | 8,5 | 12 |
| AH3388-H | 79,6 | 420 | 440 | 393 | 11 | 48 | Tr480X5 | G1/8 | 8,5 | 12 |
| AH3992-H | 22,2 | 440 | 460 | 145 | 8 | 25 | Tr480X5 | G1/8 | 8,5 | 12 |
| AHX3092G-H | 32,9 | 440 | 460 | 202 | 11 | 37 | Tr480X5 | G1/8 | 8,5 | 12 |
| AHX3092-H | 35,1 | 440 | 460 | 202 | 11 | 37 | Tr490X5 | G1/8 | 8,5 | 12 |
| AH24092-H | 35,6 | 440 | 460 | 250 | 23 | 32 | Tr480X5 | G1/8 | 8,5 | 12 |
| AHX3192G-H | 50,3 | 440 | 460 | 285 | 11 | 43 | Tr480X5 | G1/8 | 8,5 | 12 |
| AHX3192-H | 58 | 440 | 460 | 285 | 11 | 43 | Tr510X6 | G1/8 | 8,5 | 12 |
| AH24192-H | 48,7 | 440 | 460 | 332 | 23 | 32 | Tr480X5 | G1/8 | 8,5 | 12 |
| AHX3292G-H | 65,6 | 440 | 460 | 349 | 11 | 50 | Tr480X5 | G1/8 | 8,5 | 12 |
| AHX3292-H | 74,6 | 440 | 460 | 349 | 11 | 50 | Tr510X6 | G1/8 | 8,5 | 12 |
| AH3392-H | 92,6 | 440 | 460 | 415 | 11 | 50 | Tr510X6 | G1/8 | 8,5 | 12 |



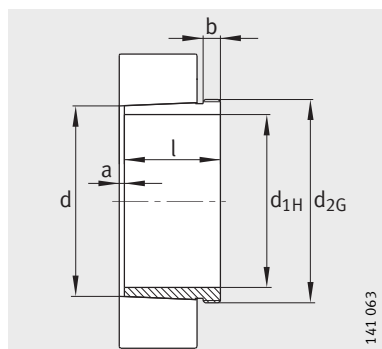
Manguito
de desmontaje hidráulico
Medidas de conexión



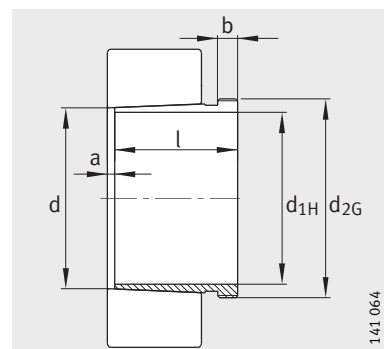
Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | |
|---|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH3996-H | 25,7 | 460 | 480 | 158 | 9 | 28 | Tr500X5 | G1/8 | 8,5 | 12 |
| AHX3096G-H | 35 | 460 | 480 | 205 | 12 | 38 | Tr500X5 | G1/8 | 8,5 | 12 |
| AHX3096-H | 39,7 | 460 | 480 | 205 | 12 | 38 | Tr520X6 | G1/8 | 8,5 | 12 |
| AH24096-H | 37,2 | 460 | 480 | 250 | 23 | 32 | Tr500X5 | G1/8 | 8,5 | 12 |
| AHX3196G-H | 54,8 | 460 | 480 | 295 | 12 | 45 | Tr500X5 | G1/8 | 8,5 | 12 |
| AHX3196-H | 63,3 | 460 | 480 | 295 | 12 | 45 | Tr530X6 | G1/8 | 8,5 | 12 |
| AH24196G-H | 52,2 | 460 | 480 | 340 | 23 | 32 | Tr500X5 | G1/8 | 8,5 | 12 |
| AH24196-H | 52,9 | 460 | 480 | 343 | 25 | 35 | Tr500X5 | G1/8 | 8,5 | 12 |
| AHX3296G-H | 72,4 | 460 | 480 | 364 | 12 | 52 | Tr500X5 | G1/8 | 8,5 | 12 |
| AHX3296-H | 82,2 | 460 | 480 | 364 | 12 | 52 | Tr530X6 | G1/8 | 8,5 | 12 |
| AH3396-H | 100 | 460 | 480 | 427 | 12 | 52 | Tr530X6 | G1/8 | 8,5 | 12 |
| AH39/500G-H | 29,8 | 480 | 500 | 162 | 10 | 32 | Tr530X6 | G1/8 | 8,5 | 12 |
| AH39/500-H | 27,7 | 480 | 500 | 162 | 10 | 32 | Tr520X6 | G1/8 | 8,5 | 12 |
| AHX30/500G-H | 39,9 | 480 | 500 | 209 | 12 | 40 | Tr530X6 | G1/8 | 8,5 | 12 |
| AHX30/500-H | 42,5 | 480 | 500 | 209 | 12 | 40 | Tr540X6 | G1/8 | 8,5 | 12 |
| AH240/500G-H | 41,7 | 480 | 500 | 253 | 23 | 35 | Tr530X6 | G1/8 | 8,5 | 12 |
| AH240/500-H | 39,5 | 480 | 500 | 253 | 23 | 35 | Tr520X6 | G1/8 | 8,5 | 12 |
| AHX31/500G-H | 64,7 | 480 | 500 | 313 | 12 | 47 | Tr530X6 | G1/8 | 8,5 | 12 |
| AHX31/500-H | 70,9 | 480 | 500 | 313 | 12 | 47 | Tr550X6 | G1/8 | 8,5 | 12 |
| AH241/500G-H | 60,5 | 480 | 500 | 360 | 23 | 35 | Tr530X6 | G1/8 | 8,5 | 12 |
| AH241/500-H | 58,8 | 480 | 500 | 362 | 25 | 37 | Tr520X6 | G1/8 | 8,5 | 12 |
| AHX32/500G-H | 87,3 | 480 | 500 | 393 | 12 | 54 | Tr530X6 | G1/8 | 8,5 | 12 |
| AHX32/500-H | 94,4 | 480 | 500 | 393 | 12 | 54 | Tr550X6 | G1/8 | 8,5 | 12 |
| AH33/500-H | 110 | 480 | 500 | 442 | 12 | 54 | Tr550X6 | G1/8 | 8,5 | 12 |
| AH39/530G-H | 45,6 | 500 | 530 | 175 | 10 | 37 | Tr560X6 | G1/4 | 10 | 15 |
| AH39/530-H | 43,1 | 500 | 530 | 175 | 10 | 37 | Tr550X6 | G1/4 | 10 | 15 |
| AH30/530A-H | 61,7 | 500 | 530 | 230 | 12 | 45 | Tr560X6 | G1/4 | 10 | 15 |
| AH240/530G-H | 67,5 | 500 | 530 | 285 | 24 | 35 | Tr560X6 | G1/4 | 8,5 | 15 |
| AH240/530-H | 66,8 | 500 | 530 | 290 | 25 | 40 | Tr550X6 | G1/4 | 8,5 | 15 |
| AH31/530A-H | 92,3 | 500 | 530 | 325 | 12 | 53 | Tr560X6 | G1/4 | 10 | 15 |
| AH241/530G-H | 89 | 500 | 530 | 370 | 24 | 35 | Tr560X6 | G1/4 | 10 | 15 |
| AH241/530-H | 88,2 | 500 | 530 | 375 | 25 | 40 | Tr550X6 | G1/4 | 10 | 15 |
| AH32/530AG-H | 124 | 500 | 530 | 412 | 12 | 57 | Tr560X6 | G1/4 | 10 | 15 |
| AH32/530-A-H | 132 | 500 | 530 | 412 | 12 | 57 | Tr580X6 | G1/4 | 10 | 15 |
| AH33/530-H | 155 | 500 | 530 | 469 | 12 | 57 | Tr580X6 | G1/4 | 10 | 15 |

Manguitos de desmontaje



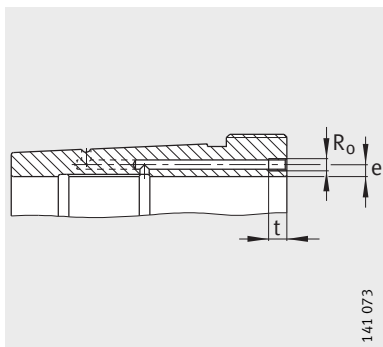
Conicidad 1:12



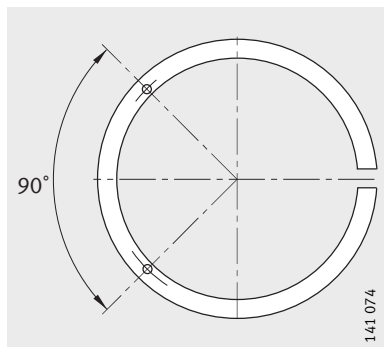
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|--------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH39/560G-H | 52,3 | 530 | 560 | 180 | 10 | 37 | Tr600X6 | G1/4 | 12 | 15 |
| AH39/560-H | 47 | 530 | 560 | 180 | 10 | 37 | Tr580X6 | G1/4 | 12 | 15 |
| AH30/560AG-H | 71,6 | 530 | 560 | 240 | 12 | 45 | Tr600X6 | G1/4 | 12 | 15 |
| AH30/560A-H | 68,4 | 530 | 560 | 240 | 12 | 45 | Tr590X6 | G1/4 | 12 | 15 |
| AH240/560G-H | 77,5 | 530 | 560 | 296 | 24 | 38 | Tr600X6 | G1/4 | 8,5 | 15 |
| AH240/560-H | 72,7 | 530 | 560 | 298 | 25 | 40 | Tr580X6 | G1/4 | 8,5 | 15 |
| AH31/560AG-H | 105 | 530 | 560 | 335 | 12 | 55 | Tr600X6 | G1/4 | 12 | 15 |
| AH31/560A-H | 101 | 530 | 560 | 335 | 12 | 55 | Tr590X6 | G1/4 | 12 | 15 |
| AH241/560G-H | 104 | 530 | 560 | 393 | 24 | 38 | Tr600X6 | G1/4 | 12 | 15 |
| AH241/560-H | 101 | 530 | 560 | 400 | 28 | 45 | Tr580X6 | G1/4 | 12 | 15 |
| AH32/560AG-H | 139 | 530 | 560 | 422 | 12 | 57 | Tr600X6 | G1/4 | 12 | 15 |
| AH32/560A-H | 144 | 530 | 560 | 422 | 12 | 57 | Tr610X6 | G1/4 | 12 | 15 |
| AH33/560-H | 166 | 530 | 560 | 475 | 12 | 57 | Tr610X6 | G1/4 | 12 | 15 |
| AH39/600G-H | 57 | 570 | 600 | 192 | 10 | 38 | Tr630X6 | G1/4 | 12 | 15 |
| AH39/600-H | 55,6 | 570 | 600 | 192 | 10 | 38 | Tr625X6 | G1/4 | 12 | 15 |
| AH30/600A-H | 75 | 570 | 600 | 245 | 14 | 45 | Tr630X6 | G1/4 | 12 | 15 |
| AH240/600G-H | 84,1 | 570 | 600 | 310 | 26 | 38 | Tr630X6 | G1/4 | 8,5 | 15 |
| AH240/600-H | 85,4 | 570 | 600 | 317 | 30 | 45 | Tr625X6 | G1/4 | 8,5 | 15 |
| AH31/600A-H | 116 | 570 | 600 | 355 | 14 | 55 | Tr630X6 | G1/4 | 12 | 15 |
| AH241/600G-H | 114 | 570 | 600 | 413 | 26 | 38 | Tr630X6 | G1/4 | 12 | 15 |
| AH241/600-H | 118 | 570 | 600 | 425 | 30 | 50 | Tr625X6 | G1/4 | 12 | 15 |
| AH32/600AG-H | 155 | 570 | 600 | 445 | 14 | 57 | Tr630X6 | G1/4 | 12 | 15 |
| AH32/600A-H | 164 | 570 | 600 | 445 | 14 | 57 | Tr650X6 | G1/4 | 12 | 15 |
| AH33/600-H | 200 | 570 | 600 | 519 | 14 | 57 | Tr650X6 | G1/4 | 12 | 15 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión

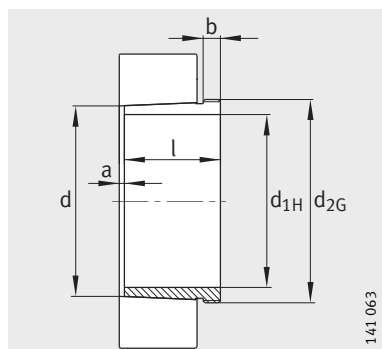


Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

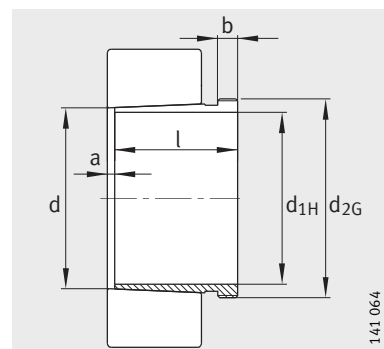
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | |
|---|-------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| Referencias | Peso m ≈ kg | Dimensiones | | | | | | Medidas de montaje | | |
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH39/630G-H | 69,4 | 600 | 630 | 210 | 12 | 40 | Tr670X6 | G1/4 | 12 | 15 |
| AH39/630-H | 64,5 | 600 | 630 | 210 | 12 | 40 | Tr655X6 | G1/4 | 12 | 15 |
| AH30/630A-H | 87,3 | 600 | 630 | 258 | 14 | 46 | Tr670X6 | G1/4 | 12 | 15 |
| AH240/630G-H | 97,9 | 600 | 630 | 330 | 26 | 40 | Tr670X6 | G1/4 | 8,5 | 15 |
| AH240/630-H | 95,1 | 600 | 630 | 335 | 30 | 45 | Tr655X6 | G1/4 | 8,5 | 15 |
| AH31/630A-H | 136 | 600 | 630 | 375 | 14 | 60 | Tr670X6 | G1/4 | 12 | 15 |
| AH241/630G-H | 133 | 600 | 630 | 440 | 26 | 40 | Tr670X6 | G1/4 | 12 | 15 |
| AH241/630-H | 132 | 600 | 630 | 450 | 30 | 50 | Tr655X6 | G1/4 | 12 | 15 |
| AH32/630AG-H | 183 | 600 | 630 | 475 | 14 | 63 | Tr670X6 | G1/4 | 12 | 15 |
| AH32/630A-H | 188 | 600 | 630 | 475 | 14 | 63 | Tr680X6 | G1/4 | 12 | 15 |
| AH33/630-H | 227 | 600 | 630 | 550 | 14 | 62 | Tr680X6 | G1/4 | 12 | 15 |
| AH39/670G-H | 92,9 | 630 | 670 | 216 | 12 | 41 | Tr710X7 | G1/4 | 12 | 15 |
| AH39/670-H | 87,7 | 630 | 670 | 216 | 12 | 41 | Tr695X6 | G1/4 | 12 | 15 |
| AH30/670A-H | 124 | 630 | 670 | 280 | 14 | 50 | Tr710X7 | G1/4 | 12 | 15 |
| AH240/670G-H | 137 | 630 | 670 | 348 | 26 | 40 | Tr710X7 | G1/4 | 8,5 | 15 |
| AH240/670-H | 137 | 630 | 670 | 358 | 30 | 50 | Tr695X6 | G1/4 | 8,5 | 15 |
| AH31/670A-H | 185 | 630 | 670 | 395 | 14 | 60 | Tr710X7 | G1/4 | 12 | 15 |
| AH241/670G-H | 180 | 630 | 670 | 452 | 26 | 40 | Tr710X7 | G1/4 | 12 | 15 |
| AH241/670-H | 183 | 630 | 670 | 467 | 30 | 55 | Tr695X6 | G1/4 | 12 | 15 |
| AH32/670AG-H | 247 | 630 | 670 | 500 | 14 | 63 | Tr710X7 | G1/4 | 12 | 15 |
| AH32/670A-H | 252 | 630 | 670 | 500 | 14 | 63 | Tr720X7 | G1/4 | 12 | 15 |
| AH33/670-H | 303 | 630 | 670 | 577 | 14 | 62 | Tr720X7 | G1/4 | 12 | 15 |
| AH39/710G-H | 105 | 670 | 710 | 228 | 12 | 43 | Tr750X7 | G1/4 | 15 | 15 |
| AH39/710-H | 101 | 670 | 710 | 228 | 12 | 43 | Tr740X7 | G1/4 | 15 | 15 |
| AH30/710A-H | 135 | 670 | 710 | 286 | 16 | 50 | Tr750X7 | G1/4 | 15 | 15 |
| AH240/710G-H | 152 | 670 | 710 | 360 | 26 | 45 | Tr750X7 | G1/4 | 8,5 | 15 |
| AH240/710-H | 151 | 670 | 710 | 365 | 33 | 50 | Tr740X7 | G1/4 | 8,5 | 15 |
| AH31/710A-H | 202 | 670 | 710 | 405 | 16 | 60 | Tr750X7 | G1/4 | 15 | 15 |
| AH241/710G-H | 207 | 670 | 710 | 483 | 26 | 45 | Tr750X7 | G1/4 | 15 | 15 |
| AH241/710-H | 209 | 670 | 710 | 493 | 33 | 55 | Tr740X7 | G1/4 | 15 | 15 |
| AH32/710AG-H | 272 | 670 | 710 | 515 | 16 | 65 | Tr750X7 | G1/4 | 15 | 15 |
| AH32/710A-H | 278 | 670 | 710 | 515 | 16 | 65 | Tr760X7 | G1/4 | 15 | 15 |
| AH33/710-H | 334 | 670 | 710 | 595 | 16 | 65 | Tr760X7 | G1/4 | 15 | 15 |



Manguitos de desmontaje



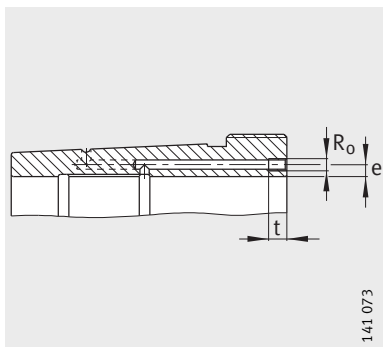
Conicidad 1:12



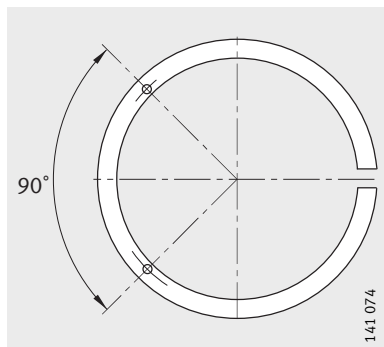
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|--------------|------------------|-----------------|-----|-----|--------|----|-----------------|--------------------|-----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH39/750G-H | 118 | 710 | 750 | 234 | 12 | 44 | Tr800X7 | G1/4 | 15 | 15 |
| AH39/750-H | 110 | 710 | 750 | 234 | 12 | 44 | Tr780X7 | G1/4 | 15 | 15 |
| AH30/750A-H | 155 | 710 | 750 | 300 | 16 | 50 | Tr800X7 | G1/4 | 15 | 15 |
| AH240/750G-H | 174 | 710 | 750 | 380 | 28 | 45 | Tr800X7 | G1/4 | 8,5 | 15 |
| AH240/750-H | 169 | 710 | 750 | 385 | 35 | 50 | Tr780X7 | G1/4 | 8,5 | 15 |
| AH31/750A-H | 232 | 710 | 750 | 425 | 16 | 60 | Tr800X7 | G1/4 | 15 | 15 |
| AH241/750G-H | 241 | 710 | 750 | 520 | 28 | 45 | Tr800X7 | G1/4 | 15 | 15 |
| AH241/750-H | 239 | 710 | 750 | 530 | 35 | 55 | Tr780X7 | G1/4 | 15 | 15 |
| AH32/750A-H | 312 | 710 | 750 | 540 | 16 | 65 | Tr800X7 | G1/4 | 15 | 15 |
| AH33/750-H | 377 | 710 | 750 | 625 | 16 | 65 | Tr800X7 | G1/4 | 15 | 15 |
| AH39/800G-H | 155 | 750 | 800 | 245 | 12 | 45 | Tr850X7 | G1/4 | 15 | 15 |
| AH39/800-H | 146 | 750 | 800 | 245 | 12 | 45 | Tr830X7 | G1/4 | 15 | 15 |
| AH30/800A-H | 198 | 750 | 800 | 308 | 18 | 50 | Tr850X7 | G1/4 | 15 | 15 |
| AH240/800G-H | 232 | 750 | 800 | 395 | 28 | 50 | Tr850X7 | G1/4 | 15 | 15 |
| AH240/800-H | 221 | 750 | 800 | 395 | 40 | 50 | Tr830X7 | G1/4 | 15 | 15 |
| AH31/800A-H | 297 | 750 | 800 | 438 | 18 | 63 | Tr850X7 | G1/4 | 15 | 15 |
| AH241/800G-H | 311 | 750 | 800 | 525 | 28 | 50 | Tr850X7 | G1/4 | 15 | 15 |
| AH241/800-H | 304 | 750 | 800 | 530 | 40 | 55 | Tr830X7 | G1/4 | 15 | 15 |
| AH32/800AG-H | 391 | 750 | 800 | 550 | 18 | 62 | Tr850X7 | G1/4 | 15 | 15 |
| AH32/800A-H | 396 | 750 | 800 | 555 | 18 | 67 | Tr850X7 | G1/4 | 15 | 15 |
| AH33/800-H | 500 | 750 | 800 | 667 | 18 | 67 | Tr850X7 | G1/4 | 15 | 15 |
| AH39/850G-H | 176 | 800 | 850 | 258 | 12 | 50 | Tr900X7 | G1/4 | 15 | 15 |
| AH39/850-H | 165 | 800 | 850 | 258 | 12 | 50 | Tr880X7 | G1/4 | 15 | 15 |
| AH30/850A-H | 224 | 800 | 850 | 325 | 18 | 53 | Tr900X7 | G1/4 | 15 | 15 |
| AH240/850G-H | 259 | 800 | 850 | 415 | 30 | 50 | Tr900X7 | G1/4 | 15 | 15 |
| AH240/850-H | 250 | 800 | 850 | 418 | 40 | 53 | Tr880X7 | G1/4 | 15 | 15 |
| AH31/850A-H | 336 | 800 | 850 | 462 | 18 | 63 | Tr900X7 | G1/4 | 15 | 15 |
| AH241/850G-H | 358 | 800 | 850 | 560 | 40 | 60 | Tr900X7 | G1/4 | 15 | 15 |
| AH241/850-H | 345 | 800 | 850 | 560 | 40 | 60 | Tr880X7 | G1/4 | 15 | 15 |
| AH32/850A-H | 450 | 800 | 850 | 585 | 18 | 70 | Tr900X7 | G1/4 | 15 | 15 |
| AH33/850-H | 567 | 800 | 850 | 700 | 18 | 70 | Tr900X7 | G1/4 | 15 | 15 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión

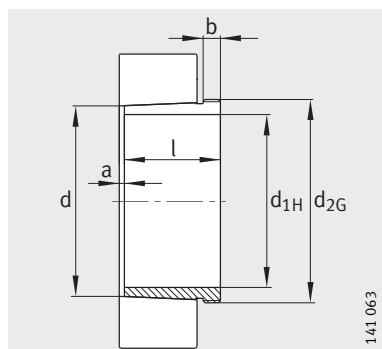


Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

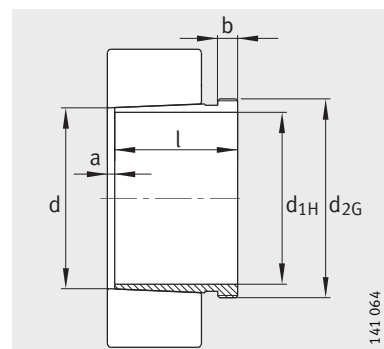
| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | | | |
|---|------------------|-----------------|------|-----|--------|----|-----------------|--------------------|----|----|
| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH39/900G-H | 192 | 850 | 900 | 265 | 12 | 51 | Tr950X8 | G1/4 | 15 | 15 |
| AH39/900-H | 180 | 850 | 900 | 265 | 12 | 51 | Tr930X8 | G1/4 | 15 | 15 |
| AH30/900A-H | 246 | 850 | 900 | 335 | 20 | 55 | Tr950X8 | G1/4 | 15 | 15 |
| AH240/900G-H | 287 | 850 | 900 | 430 | 45 | 55 | Tr950X8 | G1/4 | 15 | 15 |
| AH240/900-H | 274 | 850 | 900 | 430 | 45 | 55 | Tr930X8 | G1/4 | 15 | 15 |
| AH31/900A-H | 368 | 850 | 900 | 475 | 20 | 63 | Tr950X8 | G1/4 | 15 | 15 |
| AH241/900G-H | 390 | 850 | 900 | 575 | 45 | 60 | Tr950X8 | G1/4 | 15 | 15 |
| AH241/900-H | 376 | 850 | 900 | 575 | 45 | 60 | Tr930X8 | G1/4 | 15 | 15 |
| AH32/900A-H | 476 | 850 | 900 | 585 | 20 | 70 | Tr950X8 | G1/4 | 15 | 15 |
| AH33/900-H | 623 | 850 | 900 | 720 | 20 | 70 | Tr950X8 | G1/4 | 15 | 15 |
| AH39/950G-H | 216 | 900 | 950 | 282 | 15 | 51 | Tr1000X8 | G1/4 | 15 | 15 |
| AH39/950-H | 203 | 900 | 950 | 282 | 15 | 51 | Tr980X8 | G1/4 | 15 | 15 |
| AH30/950A-H | 277 | 900 | 950 | 355 | 20 | 55 | Tr1000X8 | G1/4 | 15 | 15 |
| AH240/950G-H | 329 | 900 | 950 | 467 | 45 | 55 | Tr1000X8 | G1/4 | 15 | 15 |
| AH240/950-H | 316 | 900 | 950 | 467 | 45 | 55 | Tr980X8 | G1/4 | 15 | 15 |
| AH31/950A-H | 414 | 900 | 950 | 500 | 20 | 63 | Tr1000X8 | G1/4 | 15 | 15 |
| AH32/950A-H | 519 | 900 | 950 | 600 | 20 | 70 | Tr1000X8 | G1/4 | 15 | 15 |
| AH241/950G-H | 435 | 900 | 950 | 605 | 45 | 60 | Tr1000X8 | G1/4 | 15 | 15 |
| AH241/950-H | 421 | 900 | 950 | 605 | 45 | 60 | Tr980X8 | G1/4 | 15 | 15 |
| AH33/950-H | 683 | 900 | 950 | 740 | 20 | 70 | Tr1000X8 | G1/4 | 15 | 15 |
| AH39/1000G-H | 246 | 950 | 1000 | 296 | 15 | 52 | Tr1060X8 | G1/4 | 15 | 15 |
| AH39/1000-H | 229 | 950 | 1000 | 296 | 15 | 52 | Tr1035X8 | G1/4 | 15 | 15 |
| AH30/1000A-H | 309 | 950 | 1000 | 365 | 22 | 57 | Tr1060X8 | G1/4 | 15 | 15 |
| AH240/1000G-H | 357 | 950 | 1000 | 469 | 50 | 57 | Tr1060X8 | G1/4 | 15 | 15 |
| AH240/1000-H | 339 | 950 | 1000 | 469 | 50 | 57 | Tr1035X8 | G1/4 | 15 | 15 |
| AH31/1000A-H | 471 | 950 | 1000 | 525 | 22 | 63 | Tr1060X8 | G1/4 | 15 | 15 |
| AH32/1000A-H | 591 | 950 | 1000 | 630 | 22 | 70 | Tr1060X8 | G1/4 | 15 | 15 |
| AH241/1000-H | 502 | 950 | 1000 | 645 | 50 | 65 | Tr1060X8 | G1/4 | 15 | 15 |
| AH33/1000-H | 781 | 950 | 1000 | 780 | 22 | 70 | Tr1060X8 | G1/4 | 15 | 15 |
| AH39/1060G-H | 312 | 1 000 | 1060 | 310 | 15 | 52 | Tr1120X8 | G1/4 | 15 | 15 |
| AH39/1060-H | 294 | 1 000 | 1060 | 310 | 15 | 52 | Tr1095X8 | G1/4 | 15 | 15 |
| AH30/1060A-H | 396 | 1 000 | 1060 | 385 | 22 | 60 | Tr1120X8 | G1/4 | 15 | 15 |
| AH240/1060G-H | 465 | 1 000 | 1060 | 498 | 50 | 60 | Tr1120X8 | G1/4 | 15 | 15 |
| AH240/1060-H | 445 | 1 000 | 1060 | 498 | 50 | 60 | Tr1095X8 | G1/4 | 15 | 15 |
| AH31/1060A-H | 583 | 1 000 | 1060 | 540 | 22 | 65 | Tr1120X8 | G1/4 | 15 | 15 |
| AH241/1060-H | 632 | 1 000 | 1060 | 665 | 50 | 65 | Tr1120X8 | G1/4 | 15 | 15 |



Manguitos de desmontaje



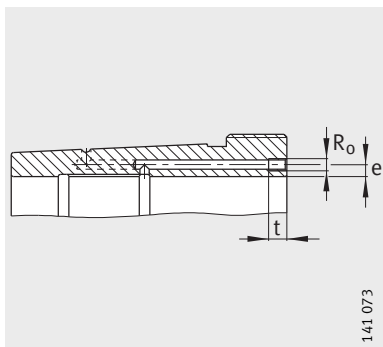
Conicidad 1:12



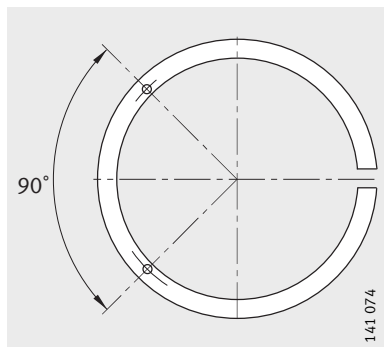
AH240 y AH241
conicidad 1:30

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|---------------|------------------|-----------------|-------|-----|--------|----|-----------------|--------------------|----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH30/1120A-H | 451 | 1 060 | 1 120 | 410 | 22 | 65 | Tr1180X8 | G1/4 | 15 | 15 |
| AH240/1120G-H | 524 | 1 060 | 1 120 | 527 | 50 | 65 | Tr1180X8 | G1/4 | 15 | 15 |
| AH240/1120-H | 501 | 1 060 | 1 120 | 527 | 50 | 65 | Tr1155X8 | G1/4 | 15 | 15 |
| AH241/1120-H | 717 | 1 060 | 1 120 | 705 | 50 | 75 | Tr1180X8 | G1/4 | 15 | 15 |
| AH39/1120G-H | 289 | 1 070 | 1 120 | 310 | 15 | 52 | Tr1180X8 | G1/4 | 15 | 15 |
| AH39/1120-H | 271 | 1 070 | 1 120 | 310 | 15 | 52 | Tr1155X8 | G1/4 | 15 | 15 |
| AH30/1180A-H | 498 | 1 120 | 1 180 | 420 | 22 | 65 | Tr1250X8 | G1/4 | 15 | 15 |
| AH240/1180G-H | 577 | 1 120 | 1 180 | 540 | 50 | 65 | Tr1250X8 | G1/4 | 15 | 15 |
| AH240/1180-H | 543 | 1 120 | 1 180 | 540 | 50 | 65 | Tr1215X8 | G1/4 | 15 | 15 |
| AH241/1180-H | 824 | 1 120 | 1 180 | 750 | 50 | 80 | Tr1250X8 | G1/4 | 15 | 15 |
| AH39/1180G-H | 336 | 1 130 | 1 180 | 330 | 15 | 55 | Tr1250X8 | G1/4 | 15 | 15 |
| AH39/1180-H | 307 | 1 130 | 1 180 | 330 | 15 | 55 | Tr1215X8 | G1/4 | 15 | 15 |
| AH30/1250A-H | 629 | 1 180 | 1 250 | 445 | 22 | 70 | Tr1320X8 | G1/4 | 15 | 15 |
| AH240/1250G-H | 733 | 1 180 | 1 250 | 570 | 50 | 70 | Tr1320X8 | G1/4 | 15 | 15 |
| AH240/1250-H | 694 | 1 180 | 1 250 | 570 | 50 | 70 | Tr1285X8 | G1/4 | 15 | 15 |
| AH241/1250-H | 1 048 | 1 180 | 1 250 | 795 | 50 | 85 | Tr1320X8 | G1/4 | 15 | 15 |
| AH39/1250G-H | 367 | 1 200 | 1 250 | 340 | 18 | 55 | Tr1320X8 | G1/4 | 15 | 15 |
| AH39/1250-H | 336 | 1 200 | 1 250 | 340 | 18 | 55 | Tr1285X8 | G1/4 | 15 | 15 |



Manguito de desmontaje
hidráulico (sufijo H)
Medidas de conexión



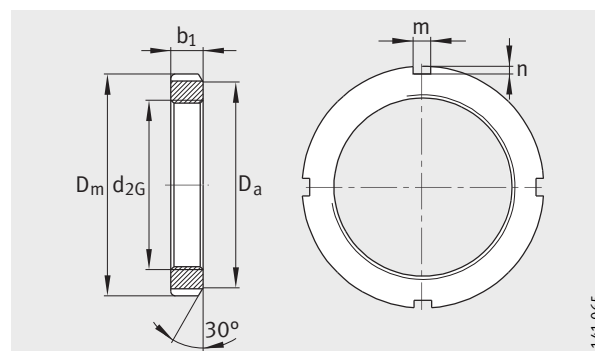
Conexiones de la bomba
para los manguitos
de desmontaje hidráulico

Tabla de medidas (continuación) · Medidas en mm

| Referencias | Peso m ≈kg | Dimensiones | | | | | | Medidas de montaje | | |
|---------------|------------------|-----------------|-------|-----|--------|----|-----------------|--------------------|----|----|
| | | d _{1H} | d | l | a ≈ | b | d _{2G} | R ₀ | e | t |
| AH30/1320A-H | 718 | 1 250 | 1 320 | 470 | 22 | 70 | Tr1400X8 | G1/4 | 15 | 15 |
| AH240/1320G-H | 828 | 1 250 | 1 320 | 600 | 50 | 70 | Tr1400X8 | G1/4 | 15 | 15 |
| AH240/1320-H | 775 | 1 250 | 1 320 | 600 | 50 | 70 | Tr1355X8 | G1/4 | 15 | 15 |
| AH241/1320-H | 1 194 | 1 250 | 1 320 | 840 | 50 | 90 | Tr1400X8 | G1/4 | 15 | 15 |
| AH39/1320G-H | 421 | 1 270 | 1 320 | 360 | 18 | 55 | Tr1400X8 | G1/4 | 15 | 15 |
| AH39/1320-H | 379 | 1 270 | 1 320 | 360 | 18 | 55 | Tr1355X8 | G1/4 | 15 | 15 |
| AH30/1400A-H | 902 | 1 320 | 1 400 | 487 | 22 | 75 | Tr1500X8 | G1/4 | 15 | 15 |
| AH240/1400G-H | 1 026 | 1 320 | 1 400 | 615 | 50 | 70 | Tr1500X8 | G1/4 | 15 | 15 |
| AH240/1400-H | 944 | 1 320 | 1 400 | 615 | 50 | 70 | Tr1435X8 | G1/4 | 15 | 15 |
| AH241/1400-H | 1 496 | 1 320 | 1 400 | 870 | 50 | 95 | Tr1500X8 | G1/4 | 15 | 15 |
| AH39/1400G-H | 499 | 1 350 | 1 400 | 380 | 20 | 60 | Tr1500X8 | G1/4 | 15 | 15 |
| AH39/1400-H | 429 | 1 350 | 1 400 | 380 | 20 | 60 | Tr1435X8 | G1/4 | 15 | 15 |
| AH30/1500A-H | 1 257 | 1 400 | 1 500 | 537 | 22 | 75 | Tr1600X8 | G1/4 | 15 | 15 |
| AH241/1500-H | 1 961 | 1 400 | 1 500 | 895 | 50 | 95 | Tr1600X8 | G1/4 | 15 | 15 |
| AH39/1500G-H | 563 | 1 450 | 1 500 | 400 | 20 | 60 | Tr1600X8 | G1/4 | 15 | 15 |
| AH39/1500-H | 494 | 1 450 | 1 500 | 400 | 20 | 60 | Tr1540X8 | G1/4 | 15 | 15 |



Tuercas estriadas

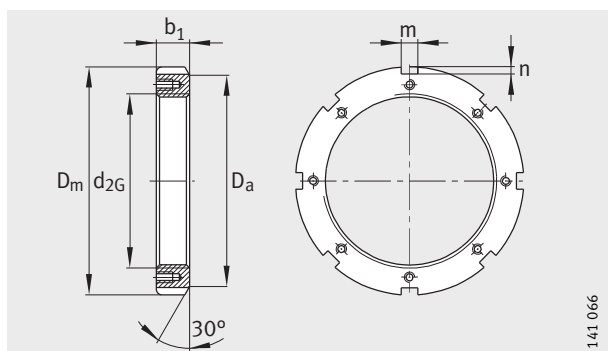


KM, KML, HM..T

141 065

Tabla de medidas · Medidas en mm

| Referencias | | Peso m ≈kg | Dimensiones | | | Medidas de montaje | | |
|--------------|--------------------|------------------|-----------------|----------------|----------------|--------------------|----|-----|
| Tuerca | Seguridad adecuada | | d _{2G} | D _m | b ₁ | D _a | m | n |
| KM0 | MB0 | 0,005 | M10X0,75 | 18 | 4 | 13,5 | 3 | 2 |
| KM1 | MB1 | 0,007 | M12X1 | 22 | 4 | 17 | 3 | 2 |
| KM2 | MB2 | 0,01 | M15X1 | 25 | 5 | 21 | 4 | 2 |
| KM3 | MB3 | 0,02 | M17X1 | 28 | 5 | 24 | 4 | 2 |
| KM4 | MB4 | 0,019 | M20X1 | 32 | 6 | 26 | 4 | 2 |
| KM5 | MB5 | 0,025 | M25X1,5 | 38 | 7 | 32 | 5 | 2 |
| KM6 | MB6 | 0,043 | M30X1,5 | 45 | 7 | 38 | 5 | 2 |
| KM7 | MB7 | 0,07 | M35X1,5 | 52 | 8 | 44 | 5 | 2 |
| KM8 | MB8 | 0,085 | M40X1,5 | 58 | 9 | 50 | 6 | 2,5 |
| KM9 | MB9 | 0,119 | M45X1,5 | 65 | 10 | 56 | 6 | 2,5 |
| KM10 | MB10 | 0,148 | M50X1,5 | 70 | 11 | 61 | 6 | 2,5 |
| KM11 | MB11 | 0,158 | M55X2 | 75 | 11 | 67 | 7 | 3 |
| KM12 | MB12 | 0,18 | M60X2 | 80 | 11 | 73 | 7 | 3 |
| KM13 | MB13 | 0,22 | M65X2 | 85 | 12 | 79 | 7 | 3 |
| KM14 | MB14 | 0,26 | M70X2 | 92 | 12 | 85 | 8 | 3,5 |
| KM15 | MB15 | 0,3 | M75X2 | 98 | 13 | 90 | 8 | 3,5 |
| KM16 | MB16 | 0,4 | M80X2 | 105 | 15 | 95 | 8 | 3,5 |
| KM17 | MB17 | 0,46 | M85X2 | 110 | 16 | 102 | 8 | 3,5 |
| KM18 | MB18 | 0,6 | M90X2 | 120 | 16 | 108 | 10 | 4 |
| KM19 | MB19 | 0,658 | M95X2 | 125 | 17 | 113 | 10 | 4 |
| KM20 | MB20 | 0,73 | M100X2 | 130 | 18 | 120 | 10 | 4 |
| KM21 | MB21 | 0,87 | M105X2 | 140 | 18 | 126 | 12 | 5 |
| KM22 | MB22 | 0,965 | M110X2 | 145 | 19 | 133 | 12 | 5 |
| KM23 | MB23 | 1,01 | M115X2 | 150 | 19 | 137 | 12 | 5 |
| KML24 | MBL24 | 0,79 | M120X2 | 145 | 20 | 135 | 12 | 5 |
| KM24 | MB24 | 1,08 | M120X2 | 155 | 20 | 138 | 12 | 5 |
| KM25 | MB25 | 1,22 | M125X2 | 160 | 21 | 148 | 12 | 5 |
| KML26 | MBL26 | 0,9 | M130X2 | 155 | 21 | 145 | 12 | 5 |
| KM26 | MB26 | 1,24 | M130X2 | 165 | 21 | 149 | 12 | 5 |
| KM27 | MB27 | 1,55 | M135X2 | 175 | 22 | 160 | 14 | 6 |
| KML28 | MBL28 | 1,01 | M140X2 | 165 | 22 | 155 | 12 | 5 |
| KM28 | MB28 | 1,56 | M140X2 | 180 | 22 | 160 | 14 | 6 |
| KM29 | MB29 | 2,05 | M145X2 | 190 | 24 | 171 | 14 | 6 |

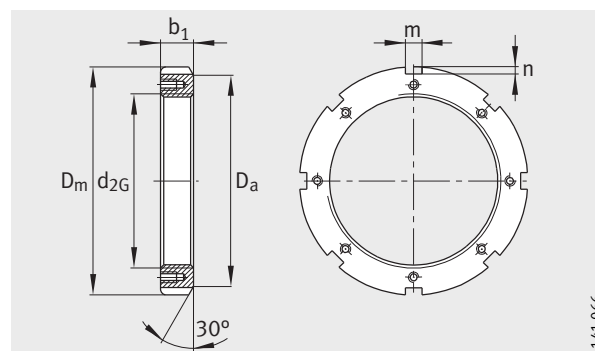


HM30, HM31

| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | |
|---|--------------------|-------------------|-----------------|----------------|----------------|--------------------|----|----|
| Referencias | | Peso m ≈ kg | Dimensiones | | | Medidas de montaje | | |
| Tuerca | Seguridad adecuada | | d _{2G} | D _m | b ₁ | D _a | m | n |
| KML30 | MBL30 | 1,44 | M150X2 | 180 | 24 | 170 | 14 | 5 |
| KM30 | MB30 | 2,06 | M150X2 | 195 | 24 | 171 | 14 | 6 |
| KM31 | MB31 | 2,27 | M155X3 | 200 | 25 | 182 | 16 | 7 |
| KML32 | MBL32 | 1,62 | M160X3 | 190 | 25 | 180 | 14 | 5 |
| KM32 | MB32 | 2,52 | M160X3 | 210 | 25 | 182 | 16 | 7 |
| KM33 | MB33 | 2,7 | M165X3 | 210 | 26 | 193 | 16 | 7 |
| KML34 | MBL34 | 1,72 | M170X3 | 200 | 26 | 190 | 16 | 5 |
| KM34 | MB34 | 2,8 | M170X3 | 220 | 26 | 193 | 16 | 7 |
| KML36 | MBL36 | 1,96 | M180X3 | 210 | 27 | 200 | 16 | 5 |
| KM36 | MB36 | 3,04 | M180X3 | 230 | 27 | 203 | 18 | 8 |
| KML38 | MBL38 | 2,13 | M190X3 | 220 | 28 | 210 | 16 | 5 |
| KM38 | MB38 | 3,34 | M190X3 | 240 | 28 | 214 | 18 | 8 |
| KML40 | MBL40 | 2,9 | M200X3 | 240 | 29 | 220 | 18 | 8 |
| KM40 | MB40 | 3,69 | M200X3 | 250 | 29 | 226 | 18 | 8 |
| HM3044 | MS3044 | 3,21 | Tr220X4 | 260 | 30 | 242 | 20 | 9 |
| HM44T | MB44 | 5,3 | Tr220X4 | 280 | 32 | 250 | 20 | 10 |
| HM3144 | MS3144 | 4,93 | Tr220X4 | 280 | 32 | 250 | 20 | 10 |
| HM3048 | MS3048 | 5,12 | Tr240X4 | 290 | 34 | 270 | 20 | 10 |
| HM48T | MB48 | 6,15 | Tr240X4 | 300 | 34 | 270 | 20 | 10 |
| HM3148 | MS3144 | 5,75 | Tr240X4 | 300 | 34 | 270 | 20 | 10 |
| HM3052 | MS3048 | 5,54 | Tr260X4 | 310 | 34 | 290 | 20 | 10 |
| HM52T | MB52 | 8,05 | Tr260X4 | 330 | 35 | 300 | 24 | 12 |
| HM3152 | MS3152 | 7,43 | Tr260X4 | 330 | 36 | 300 | 24 | 12 |
| HM3056 | MS3056 | 6,61 | Tr280X4 | 330 | 38 | 310 | 24 | 10 |
| HM56T | MB56 | 8,9 | Tr280X4 | 350 | 36 | 320 | 24 | 12 |
| HM3156 | MS3152 | 8,26 | Tr280X4 | 350 | 38 | 320 | 24 | 12 |
| HM3060 | MS3060 | 9,48 | Tr300X4 | 360 | 42 | 336 | 24 | 12 |
| HM3160 | MS3160 | 11,4 | Tr300X4 | 380 | 40 | 340 | 24 | 12 |
| HM3064 | MS3064 | 10,1 | Tr320X5 | 380 | 42 | 356 | 24 | 12 |
| HM3164 | MS3164 | 12,8 | Tr320X5 | 400 | 42 | 360 | 24 | 12 |
| HM3068 | MS3064 | 11,5 | Tr340X5 | 400 | 45 | 376 | 24 | 12 |
| HM3168 | MS3168 | 23 | Tr340X5 | 440 | 55 | 400 | 28 | 15 |
| HM3072 | MS3072 | 11,9 | Tr360X5 | 420 | 45 | 394 | 28 | 13 |
| HM3172 | MS3168 | 25,7 | Tr360X5 | 460 | 58 | 420 | 28 | 15 |
| HM3076 | MS3076 | 15,9 | Tr380X5 | 450 | 48 | 422 | 28 | 14 |
| HM3176 | MS3176 | 30 | Tr380X5 | 490 | 60 | 440 | 32 | 18 |



Tuercas estriadas



HM30, HM31

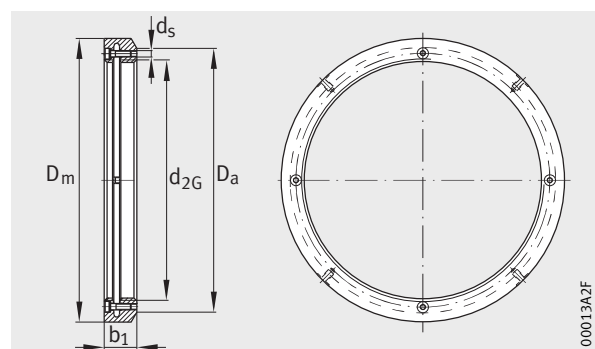
Tabla de medidas (continuación) · Medidas en mm

| Referencias | | Peso m ≈kg | Dimensiones | | | Medidas de montaje | | |
|-------------|--------------------|------------------|-----------------|----------------|----------------|--------------------|----|----|
| Tuerca | Seguridad adecuada | | d _{2G} | D _m | b ₁ | D _a | m | n |
| HM3080 | MS3076 | 18,2 | Tr400X5 | 470 | 52 | 442 | 28 | 14 |
| HM3180 | MS3180 | 35,7 | Tr400X5 | 520 | 62 | 460 | 32 | 18 |
| HM3084 | MS3084 | 18,9 | Tr420X5 | 490 | 52 | 462 | 32 | 14 |
| HM3184 | MS3180 | 43,4 | Tr420X5 | 540 | 70 | 490 | 32 | 18 |
| HM3088 | MS3088 | 26,5 | Tr440X5 | 520 | 60 | 490 | 32 | 15 |
| HM3188 | MS3188 | 44,3 | Tr440X5 | 560 | 70 | 510 | 36 | 20 |
| HM3092 | MS3088 | 27,7 | Tr460X5 | 540 | 60 | 510 | 32 | 15 |
| HM3192 | MS3188 | 53,8 | Tr460X5 | 580 | 75 | 540 | 36 | 20 |
| HM3096 | MS3096 | 28,7 | Tr480X5 | 560 | 60 | 530 | 36 | 15 |
| HM3196 | MS3196 | 62,2 | Tr480X5 | 620 | 75 | 560 | 36 | 20 |
| HM30/500 | MS3096 | 34 | Tr500X5 | 580 | 68 | 550 | 36 | 15 |
| HM31/500 | MS31/500 | 62,1 | Tr500X5 | 630 | 80 | 580 | 40 | 23 |
| HM30/530 | MS30/530 | 44,7 | Tr530X6 | 630 | 68 | 590 | 40 | 20 |
| HM31/530 | MS31/530 | 71,2 | Tr530X6 | 670 | 80 | 610 | 40 | 23 |
| HM30/560 | MS30/560 | 46,2 | Tr560X6 | 650 | 75 | 610 | 40 | 20 |
| HM31/560 | MS31/560 | 85,6 | Tr560X6 | 710 | 85 | 650 | 45 | 25 |
| HM30/600 | MS30/530 | 55,9 | Tr600X6 | 700 | 75 | 660 | 40 | 20 |
| HM31/600 | MS31/560 | 91,7 | Tr600X6 | 750 | 85 | 690 | 45 | 25 |
| HM30/630 | MS30/630 | 58,3 | Tr630X6 | 730 | 75 | 690 | 45 | 20 |
| HM31/630 | MS31/630 | 122 | Tr630X6 | 800 | 95 | 730 | 50 | 28 |
| HM30/670 | MS30/670 | 73,8 | Tr670X6 | 780 | 80 | 740 | 45 | 20 |
| HM31/670 | MS31/670 | 156 | Tr670X6 | 850 | 106 | 775 | 50 | 28 |
| HM30/710 | MS30/710 | 94,8 | Tr710X7 | 830 | 90 | 780 | 50 | 25 |
| HM31/710 | MS31/710 | 173 | Tr710X7 | 900 | 106 | 825 | 55 | 30 |
| HM30/750 | MS30/750 | 99,5 | Tr750X7 | 870 | 90 | 820 | 55 | 25 |
| HM31/750 | MS31/750 | 202 | Tr750X7 | 950 | 112 | 875 | 60 | 34 |
| HM30/800 | MS30/750 | 106 | Tr800X7 | 920 | 90 | 870 | 55 | 25 |
| HM31/800 | MS31/750 | 215 | Tr800X7 | 1000 | 112 | 925 | 60 | 34 |
| HM30/850 | MS30/850 | 113 | Tr850X7 | 980 | 90 | 925 | 60 | 25 |
| HM31/850 | MS31/850 | 246 | Tr850X7 | 1060 | 118 | 975 | 70 | 38 |
| HM30/900 | MS30/850 | 135 | Tr900X7 | 1030 | 100 | 975 | 60 | 25 |
| HM31/900 | MS31/900 | 293 | Tr900X7 | 1120 | 125 | 1030 | 70 | 38 |
| HM30/950 | MS30/950 | 143 | Tr950X8 | 1080 | 100 | 1025 | 60 | 25 |
| HM31/950 | MS31/950 | 310 | Tr950X8 | 1170 | 125 | 1080 | 70 | 38 |

| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | |
|---|--------------------|-------------------|-----------------|----------------|----------------|--------------------|----|----|
| Referencias | | Peso m ≈ kg | Dimensiones | | | Medidas de montaje | | |
| Tuerca | Seguridad adecuada | | d _{2G} | D _m | b ₁ | D _a | m | n |
| HM30/1000 | MS30/1000 | 165 | Tr1000X8 | 1 140 | 100 | 1 085 | 60 | 25 |
| HM31/1000 | MS31/1000 | 361 | Tr1000X8 | 1 240 | 125 | 1 140 | 70 | 38 |
| HM30/1060 | MS30/1000 | 175 | Tr1060X8 | 1 200 | 100 | 1 145 | 60 | 25 |
| HM31/1060 | MS31/1000 | 386 | Tr1060X8 | 1 300 | 125 | 1 210 | 70 | 38 |
| HM30/1120 | MS30/1000 | 185 | Tr1120X8 | 1 260 | 100 | 1 205 | 60 | 25 |
| HM31/1120 | MS31/1000 | 427 | Tr1120X8 | 1 360 | 125 | 1 270 | 70 | 38 |
| HM30/1180 | MS30/1000 | 196 | Tr1180X8 | 1 320 | 100 | 1 265 | 60 | 25 |
| HM31/1180 | MS31/1000 | 459 | Tr1180X8 | 1 420 | 125 | 1 330 | 70 | 38 |
| HM30/1250 | MS30/1000 | 233 | Tr1250X8 | 1 390 | 110 | 1 335 | 60 | 25 |
| HM31/1250 | MS31/1000 | 485 | Tr1250X8 | 1 490 | 125 | 1 400 | 70 | 38 |
| HM30/1320 | MS30/1000 | 245 | Tr1320X8 | 1 460 | 110 | 1 405 | 60 | 25 |
| HM31/1320 | MS31/1000 | 511 | Tr1320X8 | 1 560 | 125 | 1 470 | 70 | 38 |
| HM30/1400 | MS30/1000 | 259 | Tr1400X8 | 1 540 | 110 | 1 485 | 60 | 25 |
| HM31/1400 | MS31/1000 | 562 | Tr1400X8 | 1 640 | 130 | 1 550 | 70 | 38 |
| HM30/1500 | MS30/1500 | 297 | Tr1500X8 | 1 650 | 110 | 1 595 | 60 | 25 |
| HM31/1500 | MS31/1000 | 601 | Tr1500X8 | 1 740 | 130 | 1 650 | 70 | 38 |



Tuercas para ejes



HMZ, HMZ30

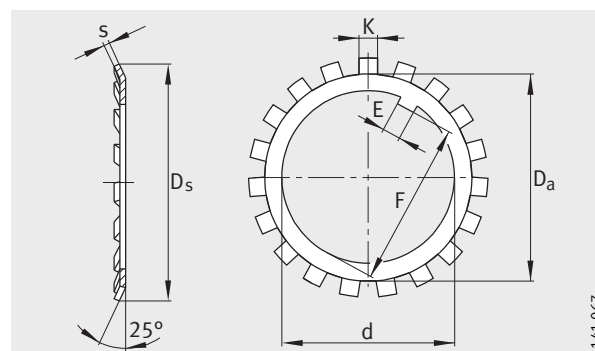
Tabla de medidas · Medidas en mm

| Referencia | Peso m ≈kg | Dimensiones | | | | | Tornillos de bloqueo Cantidad | Momento de apriete por cada tornillo de bloqueo M _{aL} Nm |
|------------|------------------|-----------------|----------------|----------------|----------------|----------------|---|--|
| | | d _{2G} | D _m | b ₁ | D _a | d _s | | |
| HMZ18 | 0,6 | M90X2 | 120 | 16 | 108 | M5 | 4 | 6 |
| HMZ19 | 0,7 | M95X2 | 125 | 17 | 113 | M5 | 4 | 6 |
| HMZ20 | 0,8 | M100X2 | 130 | 18 | 120 | M6 | 4 | 11 |
| HMZ21 | 0,9 | M105X2 | 140 | 18 | 126 | M6 | 4 | 11 |
| HMZ22 | 1 | M110X2 | 145 | 19 | 133 | M6 | 4 | 11 |
| HMZ23 | 1,1 | M115X2 | 150 | 19 | 137 | M6 | 4 | 11 |
| HMZ24 | 1,1 | M120X2 | 155 | 20 | 138 | M6 | 4 | 11 |
| HMZ25 | 1,3 | M125X2 | 160 | 21 | 148 | M6 | 4 | 11 |
| HMZ26 | 1,3 | M130X2 | 165 | 21 | 149 | M6 | 4 | 11 |
| HMZ27 | 1,6 | M135X2 | 175 | 22 | 160 | M6 | 4 | 11 |
| HMZ28 | 1,6 | M140X2 | 180 | 22 | 160 | M6 | 4 | 11 |
| HMZ29 | 2,2 | M145X2 | 190 | 24 | 171 | M6 | 4 | 11 |
| HMZ30 | 2,2 | M150X2 | 195 | 24 | 171 | M6 | 4 | 11 |
| HMZ31 | 2,4 | M155X3 | 200 | 25 | 182 | M6 | 4 | 11 |
| HMZ32 | 2,6 | M160X3 | 210 | 25 | 182 | M6 | 4 | 11 |
| HMZ33 | 2,8 | M165X3 | 210 | 26 | 193 | M8 | 4 | 27 |
| HMZ34 | 2,9 | M170X3 | 220 | 26 | 193 | M8 | 4 | 27 |
| HMZ36 | 3,2 | M180X3 | 230 | 27 | 203 | M8 | 4 | 27 |
| HMZ38 | 3,5 | M190X3 | 240 | 28 | 214 | M8 | 4 | 27 |
| HMZ40 | 3,9 | M200X3 | 250 | 29 | 226 | M8 | 4 | 27 |
| HMZ3044 | 3,4 | Tr220x4 | 260 | 30 | 242 | M8 | 4 | 27 |
| HMZ3048 | 5,4 | Tr240x4 | 290 | 34 | 270 | M10 | 4 | 54 |
| HMZ3052 | 5,8 | Tr260x4 | 310 | 34 | 290 | M10 | 4 | 54 |
| HMZ3056 | 6,9 | Tr280x4 | 330 | 38 | 310 | M10 | 4 | 54 |
| HMZ3060 | 10 | Tr300x4 | 360 | 42 | 336 | M10 | 4 | 54 |
| HMZ3064 | 10,6 | Tr320x5 | 380 | 42 | 356 | M10 | 4 | 54 |
| HMZ3068 | 12,1 | Tr340x5 | 400 | 45 | 376 | M12 | 4 | 93 |
| HMZ3072 | 12,5 | Tr360x5 | 420 | 45 | 394 | M12 | 4 | 93 |
| HMZ3076 | 16,7 | Tr380x5 | 450 | 48 | 422 | M12 | 4 | 93 |
| HMZ3080 | 19,1 | Tr400x5 | 470 | 52 | 442 | M16 | 4 | 230 |
| HMZ3084 | 19,8 | Tr420x5 | 490 | 52 | 462 | M16 | 4 | 230 |
| HMZ3088 | 27,8 | Tr440x5 | 520 | 60 | 490 | M16 | 4 | 230 |
| HMZ3092 | 29,1 | Tr460x5 | 540 | 60 | 510 | M16 | 4 | 230 |
| HMZ3096 | 30,1 | Tr480x5 | 560 | 60 | 530 | M16 | 4 | 230 |
| HMZ30/500 | 35,7 | Tr500x5 | 580 | 68 | 550 | M20 | 4 | 464 |

| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | |
|---|------------------|-----------------|----------------|----------------|----------------|----------------|-------------------------|--|
| Referencia | Peso m ≈kg | Dimensiones | | | | | Tornillos de bloqueo | Momento de apriete por cada tornillo de bloqueo M _{aL} Nm |
| | | d _{2G} | D _m | b ₁ | D _a | d _s | Cantidad | |
| HMZ30/530 | 46,9 | Tr530x6 | 630 | 68 | 590 | M20 | 4 | 464 |
| HMZ30/560 | 48,5 | Tr560x6 | 650 | 75 | 610 | M20 | 4 | 464 |
| HMZ30/600 | 58,7 | Tr600x6 | 700 | 75 | 660 | M20 | 4 | 464 |
| HMZ30/630 | 61,2 | Tr630x6 | 730 | 75 | 690 | M20 | 4 | 464 |
| HMZ30/670 | 77,5 | Tr670x6 | 780 | 80 | 740 | M20 | 4 | 464 |
| HMZ30/710 | 99,5 | Tr710x7 | 830 | 90 | 780 | M20 | 4 | 464 |
| HMZ30/750 | 105 | Tr750x7 | 870 | 90 | 820 | M20 | 4 | 464 |
| HMZ30/800 | 111 | Tr800x7 | 920 | 90 | 870 | M20 | 4 | 464 |
| HMZ30/850 | 119 | Tr850x7 | 980 | 90 | 925 | M20 | 4 | 464 |
| HMZ30/900 | 142 | Tr900x7 | 1 030 | 100 | 975 | M24 | 8 | 798 |
| HMZ30/950 | 150 | Tr950x8 | 1 080 | 100 | 1 025 | M24 | 8 | 798 |
| HMZ30/1000 | 173 | Tr1000x8 | 1 140 | 100 | 1 085 | M24 | 8 | 798 |
| HMZ30/1060 | 184 | Tr1060x8 | 1 200 | 100 | 1 145 | M24 | 8 | 798 |
| HMZ30/1120 | 194 | Tr1120x8 | 1 260 | 100 | 1 205 | M24 | 8 | 798 |
| HMZ30/1180 | 206 | Tr1180x8 | 1 320 | 100 | 1 265 | M24 | 8 | 798 |
| HMZ30/1250 | 245 | Tr1250x8 | 1 390 | 110 | 1 335 | M24 | 8 | 798 |
| HMZ30/1320 | 257 | Tr1320x8 | 1 460 | 110 | 1 405 | M24 | 8 | 798 |
| HMZ30/1400 | 272 | Tr1400x8 | 1 540 | 110 | 1 485 | M24 | 8 | 798 |
| HMZ30/1500 | 312 | Tr1500x8 | 1 650 | 110 | 1 595 | M24 | 8 | 798 |



Chapas de seguridad



MB, MBL

Tabla de medidas · Medidas en mm

| Referencias | Peso m 100 Piezas ≈kg | Dimensiones | | | Medidas de montaje | | | |
|-------------|--------------------------------|-------------|---------|------|--------------------|-----------------|-------|----|
| | | d | Ds ≈ | s | Da | E ¹⁾ | F | K |
| MB0 | 0,13 | 10 | 21 | 1 | 13,5 | 3 | 8,5 | 3 |
| MB1 | 0,192 | 12 | 25 | 1 | 17 | 3 | 10,5 | 3 |
| MB2 | 0,253 | 15 | 28 | 1 | 21 | 4 | 13,5 | 4 |
| MB3 | 0,313 | 17 | 32 | 1 | 24 | 4 | 15,5 | 4 |
| MB4 | 0,35 | 20 | 36 | 1 | 26 | 4 | 18,5 | 4 |
| MB5 | 0,64 | 25 | 42 | 1,25 | 32 | 5 | 23 | 5 |
| MB6 | 0,78 | 30 | 49 | 1,25 | 38 | 5 | 27,5 | 5 |
| MB7 | 1,04 | 35 | 57 | 1,04 | 44 | 6 | 32,5 | 5 |
| MB8 | 1,23 | 40 | 62 | 1,25 | 50 | 6 | 37,5 | 6 |
| MB9 | 1,52 | 45 | 69 | 1,25 | 56 | 6 | 42,5 | 6 |
| MB10 | 1,6 | 50 | 74 | 1,25 | 61 | 6 | 47,5 | 6 |
| MB11 | 1,96 | 55 | 81 | 1 | 67 | 8 | 52,5 | 7 |
| MB12 | 2,53 | 60 | 86 | 1 | 73 | 8 | 57,5 | 7 |
| MB13 | 2,9 | 65 | 92 | 1 | 79 | 8 | 62,5 | 7 |
| MB14 | 3,34 | 70 | 98 | 1 | 85 | 8 | 66,5 | 8 |
| MB15 | 3,6 | 75 | 104 | 1 | 90 | 8 | 71,5 | 8 |
| MB16 | 4,64 | 80 | 112 | 1,8 | 95 | 10 | 76,5 | 8 |
| MB17 | 5,24 | 85 | 119 | 1,8 | 102 | 10 | 81,5 | 8 |
| MB18 | 6,23 | 90 | 126 | 1,8 | 108 | 10 | 86,5 | 10 |
| MB19 | 6,7 | 95 | 133 | 1,8 | 113 | 10 | 91,5 | 10 |
| MB20 | 7,65 | 100 | 142 | 1,8 | 120 | 12 | 96,5 | 10 |
| MB21 | 8,26 | 105 | 145 | 1,75 | 126 | 12 | 100,5 | 12 |
| MB22 | 9,4 | 110 | 154 | 1,75 | 133 | 12 | 105,5 | 12 |
| MB23 | 10,8 | 115 | 159 | 2 | 137 | 12 | 110,5 | 12 |
| MBL24 | 7,7 | 120 | 151 | 2 | 135 | 14 | 115 | 12 |
| MB24 | 10,5 | 120 | 164 | 2 | 138 | 14 | 115 | 12 |
| MB25 | 11,8 | 125 | 170 | 2 | 148 | 14 | 120 | 12 |
| MBL26 | 8,7 | 130 | 161 | 2 | 145 | 14 | 125 | 12 |
| MB26 | 11,3 | 130 | 175 | 2 | 149 | 14 | 125 | 12 |
| MB27 | 14,4 | 135 | 185 | 2 | 160 | 14 | 130 | 14 |

¹⁾ La medida E se puede tomar como medida mínima del ancho del chavetero en los ejes.

| Tabla de medidas (continuación) · Medidas en mm | | | | | | | | |
|---|--------------------------------|-------------|---------------------|-----|--------------------|-----------------|-------|----|
| Referencias | Peso m 100 Piezas ≈kg | Dimensiones | | | Medidas de montaje | | | |
| | | d | D _s ≈ | s | D _a | E ¹⁾ | F | K |
| MBL28 | 10,9 | 140 | 171 | 2 | 155 | 16 | 135 | 12 |
| MB28 | 14,2 | 140 | 192 | 2 | 160 | 16 | 135 | 14 |
| MB29 | 16,8 | 145 | 202 | 2 | 171 | 16 | 140 | 14 |
| MBL30 | 11,3 | 150 | 188 | 2 | 170 | 16 | 145 | 14 |
| MB30 | 15,5 | 150 | 205 | 2 | 171 | 16 | 145 | 14 |
| MB31 | 20,9 | 155 | 212 | 2,5 | 182 | 16 | 147,5 | 16 |
| MBL32 | 16,2 | 160 | 199 | 2,5 | 180 | 18 | 154 | 14 |
| MB32 | 22,2 | 160 | 217 | 2,5 | 182 | 18 | 154 | 16 |
| MB33 | 24,1 | 165 | 222 | 2,5 | 193 | 18 | 157,5 | 16 |
| MBL34 | 17 | 170 | 211 | 2,5 | 190 | 18 | 164 | 16 |
| MB34 | 24,7 | 170 | 232 | 2,5 | 193 | 18 | 164 | 16 |
| MBL36 | 18 | 180 | 221 | 2,5 | 200 | 20 | 174 | 16 |
| MB36 | 26,8 | 180 | 242 | 2,5 | 203 | 20 | 174 | 18 |
| MBL38 | 20,5 | 190 | 231 | 2,5 | 210 | 20 | 184 | 16 |
| MB38 | 27,8 | 190 | 252 | 2,5 | 214 | 20 | 184 | 18 |
| MBL40 | 21,4 | 200 | 248 | 2,5 | 222 | 20 | 194 | 18 |
| MB40 | 29,3 | 200 | 262 | 2,5 | 226 | 20 | 194 | 18 |
| MB44 | 40 | 220 | 292 | 3 | 250 | 24 | 213 | 20 |
| MB48 | 40 | 240 | 312 | 3 | 270 | 24 | 233 | 20 |
| MB52 | 60 | 260 | 342 | 3 | 300 | 28 | 253 | 24 |
| MB56 | 62 | 280 | 362 | 3 | 320 | 28 | 273 | 24 |

1) La medida E se puede tomar como medida mínima del ancho del chavetero en los ejes.



Grapas de seguridad

con tornillo hexagonal

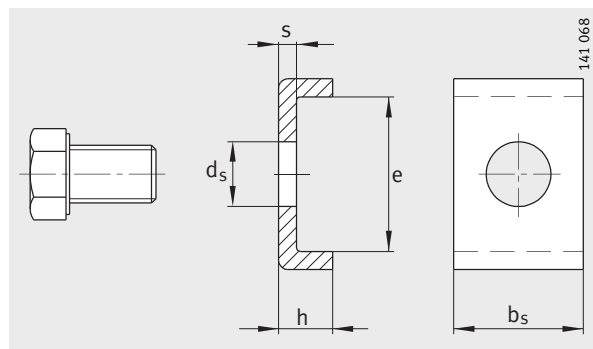
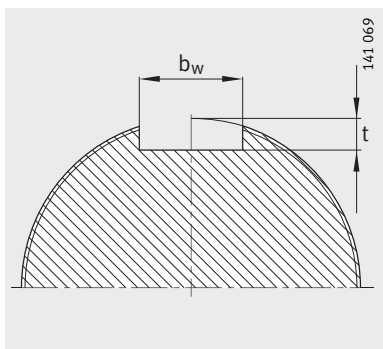


Tabla de medidas · Medidas en mm

| Referencias | | Momento de apriete | Peso | Dimensiones | | | | | Medidas de montaje Chavetero | |
|-----------------------------|----------------------------------|--------------------|-------|-------------|----------------|----|----------------|------|------------------------------|----|
| Grapa de seguridad completa | Tornillo hexagonal ¹⁾ | | | s | b _s | h | d _s | e | b _w | t |
| MS3044 | M6X10 | 10 | 0,026 | 4 | 20 | 12 | 7 | 13,5 | 22 | 9 |
| MS3144 | M8X16 | 25 | 0,038 | 4 | 20 | 12 | 9 | 22,5 | 22 | 9 |
| MS3048 | M8X16 | 25 | 0,035 | 4 | 20 | 12 | 9 | 17,5 | 22 | 9 |
| MS3152 | M10X20 | 51 | 0,056 | 4 | 24 | 12 | 11 | 25,5 | 26 | 9 |
| MS3056 | M8X16 | 25 | 0,04 | 4 | 24 | 12 | 9 | 17,5 | 26 | 9 |
| MS3060 | M8X16 | 25 | 0,043 | 4 | 24 | 12 | 9 | 20,5 | 26 | 9 |
| MS3160 | M10X20 | 51 | 0,059 | 4 | 24 | 12 | 12 | 30,5 | 26 | 9 |
| MS3064 | M8X16 | 25 | 0,057 | 5 | 24 | 15 | 9 | 21 | 26 | 10 |
| MS3164 | M10X20 | 51 | 0,074 | 5 | 24 | 15 | 12 | 31 | 26 | 10 |
| MS3168 | M12X22 | 87 | 0,115 | 5 | 28 | 15 | 14 | 38 | 30 | 10 |
| MS3072 | M8X16 | 25 | 0,064 | 5 | 28 | 15 | 9 | 20 | 30 | 10 |
| MS3076 | M10X20 | 51 | 0,076 | 5 | 28 | 15 | 12 | 24 | 30 | 10 |
| MS3176 | M12X22 | 87 | 0,115 | 5 | 32 | 15 | 14 | 40 | 34 | 10 |
| MS3180 | M16X25 | 215 | 0,154 | 5 | 32 | 15 | 18 | 45 | 34 | 10 |
| MS3084 | M10X20 | 51 | 0,085 | 5 | 32 | 15 | 12 | 24 | 34 | 10 |
| MS3088 | M12X22 | 87 | 0,1 | 5 | 32 | 15 | 14 | 28 | 34 | 10 |
| MS3188 | M16X25 | 215 | 0,163 | 5 | 36 | 15 | 18 | 43 | 38 | 10 |
| MS3096 | M12X22 | 87 | 0,109 | 5 | 36 | 15 | 14 | 28 | 38 | 12 |
| MS3196 | M16X25 | 215 | 0,177 | 5 | 36 | 15 | 18 | 53 | 38 | 12 |
| MS31/500 | M16X25 | 215 | 0,178 | 5 | 40 | 15 | 18 | 45 | 42 | 12 |

¹⁾ Hasta rosca M16: tornillo autoblocante.



Eje

Tabla de medidas (continuación) · Medidas en mm

| Referencias | | Momento de apriete Nm | Peso m ≈kg | Dimensiones | | | | | Medidas de montaje Chavetero | |
|-----------------------------|----------------------------------|--------------------------|------------------|-------------|----------------|----|----------------|----|------------------------------|----|
| Grapa de seguridad completo | Tornillo hexagonal ¹⁾ | | | s | b _s | h | d _s | e | b _w | t |
| MS30/530 | M16X25 | 215 | 0,223 | 7 | 40 | 21 | 18 | 34 | 42 | 14 |
| MS31/530 | M20X40 | 430 | 0,347 | 7 | 40 | 21 | 22 | 51 | 42 | 14 |
| MS30/560 | M16X25 | 215 | 0,212 | 7 | 40 | 21 | 18 | 29 | 42 | 14 |
| MS31/560 | M20X40 | 430 | 0,38 | 7 | 45 | 21 | 22 | 54 | 47 | 14 |
| MS30/630 | M16X25 | 215 | 0,244 | 7 | 45 | 21 | 18 | 34 | 47 | 14 |
| MS31/630 | M20X40 | 430 | 0,426 | 7 | 50 | 21 | 22 | 61 | 52 | 14 |
| MS30/670 | M16X25 | 215 | 0,257 | 7 | 45 | 21 | 18 | 39 | 47 | 14 |
| MS31/670 | M20X40 | 430 | 0,439 | 7 | 50 | 21 | 22 | 66 | 52 | 15 |
| MS30/710 | M16X25 | 215 | 0,279 | 7 | 50 | 21 | 18 | 39 | 52 | 15 |
| MS31/710 | M24X45 | 740 | 0,58 | 7 | 55 | 21 | 26 | 69 | 57 | 15 |
| MS30/750 | M16X25 | 215 | 0,301 | 7 | 55 | 21 | 18 | 39 | 57 | 15 |
| MS31/750 | M24X45 | 740 | 0,614 | 7 | 60 | 21 | 26 | 70 | 62 | 15 |
| MS30/850 | M20X40 | 430 | 0,426 | 7 | 60 | 21 | 22 | 44 | 62 | 15 |
| MS31/850 | M24X45 | 740 | 0,679 | 7 | 70 | 21 | 26 | 71 | 72 | 16 |
| MS31/900 | M24X45 | 740 | 0,698 | 7 | 70 | 21 | 26 | 76 | 72 | 16 |
| MS30/950 | M20X40 | 430 | 0,433 | 7 | 60 | 21 | 22 | 46 | 62 | 16 |
| MS31/950 | M24X45 | 740 | 0,706 | 7 | 70 | 21 | 26 | 78 | 72 | 16 |
| MS30/1000 | M20X40 | 430 | 0,449 | 7 | 60 | 21 | 22 | 51 | 62 | 16 |
| MS31/1000 | M24X45 | 740 | 0,744 | 7 | 70 | 21 | 26 | 88 | 72 | 16 |
| MS30/1500 | M20X40 | 430 | 0,466 | 7 | 60 | 21 | 22 | 56 | 62 | 16 |

¹⁾ Hasta rosca M16: tornillo autoblocante. A partir de la rosca M20: tornillo hexagonal normalizado con elemento de seguridad.

